

# Panasonic®

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Mobile App -  
The information of the Panasonic projectors and  
professional displays from your iOS/Android devices.  
[panasonic.net/cns/prodisplays/support/mobile\\_app/](http://panasonic.net/cns/prodisplays/support/mobile_app/)



For more information about Panasonic projectors  
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[www.facebook.com/panasonicprojectoranddisplay/](https://www.facebook.com/panasonicprojectoranddisplay/)  
Panasonic projectors: YouTube channel  
[www.youtube.com/user/PanasonicProjector](https://www.youtube.com/user/PanasonicProjector)

All information included here is valid as of June 2019.

LINEUP-G47  
Printed in Japan.

# Panasonic

## BUSINESS



"Azrieli Sarona Tower" Israel



"Blackpool's 2018 Lightpool Festival" UK



"Konica Minolta Planetarium Tokyo" Japan

# PROJECTORS

## Line-up Catalog June 2019



Worldwide  
Olympic Partner



Worldwide  
Paralympic Partner



# Panasonic Projectors product lineup

SOLID SHINE Series

● PT-RQ32K >P3



26,000 lm



● PT-RZ31K Series >P3



30,000 lm



● PT-RQ22K >P4



20,000 lm



● PT-RZ21K Series >P4



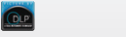
20,000 lm



● PT-DZ21K2 Series >P7



16,000-20,000 lm



20,000 lm

SOLID SHINE Series

● PT-RQ13K >P5



10,000 lm



● PT-RZ12K Series >P6



12,000 lm



● PT-RZ120 >P9



12,000 lm



10,000 lm

SOLID SHINE Series

● PT-RZ970 Series >P9



9,400-10,000 lm



● PT-RZ870 >P10



8,500 lm



● PT-RZ770 Series >P11



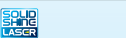
7,000 lm



● PT-MZ770 Series >P14



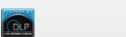
8,000 lm



● PT-DZ870 Series >P17



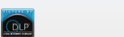
8,500-10,000 lm



● PT-DZ780 Series >P18



7,000-8,200 lm



7,000 lm

SOLID SHINE Series

● PT-RZ660 Series >P12



6,000 lm



● PT-RZ570 Series >P13



5,000-5,200 lm



● PT-MZ670 Series >P15



5,500-6,500 lm



● PT-VMZ60 Series >P25 **NEW**



4,500-6,000 lm



● PT-EZ770 Series >P19



6,500-7,500 lm

● PT-EZ590 Series >P21



5,000-6,200 lm

● PT-VZ580 Series >P27



5,000-5,500 lm

5,000 lm

● PT-FZ570 Series >P23



4,500-5,000 lm

● PT-VZ470 >P29



4,400 lm

● PT-VW360 Series >P30



4,000-4,500 lm

● PT-LB425 Series >P31



3,100-4,100 lm

● PT-TW370 Series >P35



3,200-3,800 lm

3,000 lm

● PT-JX200 >P37



2,000 lm



● PT-JW130 >P37



1,000 lm



- Large-Venue
- Installation
- Portable
- Short Throw
- Space Player
- 3-Chip DLP™ models
- 1-Chip DLP™ models
- LCD models

# Large-Venue

## PT-RQ32K



26,000 lm / 27,000 lm (Center)\*7 4K\*6

\* Lens sold separately.



## PT-RZ31K



30,000 lm / 31,000 lm (Center)\*7 WUXGA

\* Lens sold separately.



## PT-RS30K



30,000 lm / 31,000 lm (Center)\*7 SXGA+

\* Lens sold separately.



## PT-RQ22K



20,000 lm / 21,000 lm (Center)\*7 4K\*6

\* Lens sold separately.



## PT-RZ21K



20,000 lm / 21,000 lm (Center)\*7 WUXGA

\* Lens sold separately.



|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>Projector type</b>                            | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector   | 3-Chip DLP™ Projector   |
| <b>Panel size</b>                                | 22.9 mm [0.9 in]   | 24.4 mm [0.96 in]  | 24.1 mm [0.95 in]  | 22.9 mm [0.9 in]  | 24.4 mm [0.96 in]   |
| <b>Aspect ratio</b>                              | 16:10  | 16:10  | 4:3  | 16:10   | 16:10   |
| <b>Number of pixels</b>                          | 4,096,000 [2,560 x 1,600] x 3, total of 12,288,000 pixels  | 2,304,000 [1,920 x 1,200] x 3, total of 6,912,000 pixels   | 1,470,000 [1,400 x 1,050] x 3, total of 4,410,000 pixels   | 4,096,000 [2,560 x 1,600] x 3, total of 12,288,000 pixels   | 2,304,000 [1,920 x 1,200] x 3, total of 6,912,000 pixels  |
| <b>Light source</b>                              | Laser diodes   | Laser diodes   | Laser diodes   | Laser diodes  | Laser diodes  |
| <b>Light output</b>                              | 26,000 lm (HIGH) / 27,000 lm (Center)*7  | 30,000 lm (HIGH) / 31,000 lm (Center)*7  | 30,000 lm (HIGH) / 31,000 lm (Center)*7  | 20,000 lm (NORMAL) / 21,000 lm (Center)*7   | 20,000 lm (NORMAL) / 21,000 lm (Center)*7   |
| <b>Time until light output declines to 50%*1</b> | 18,000 hours (HIGH)/20,000 hours (NORMAL)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)  | 18,000 hours (HIGH)/20,000 hours (NORMAL)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)  | 18,000 hours (HIGH)/20,000 hours (NORMAL)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)  | 20,000 hours (NORMAL)/<br>24,000 hours (ECO)  | 20,000 hours (NORMAL)/<br>24,000 hours (ECO)  |
| <b>Resolution</b>                                | 4K+ [5,120 x 3,200]  | WUXGA [1,920 x 1,200]  | SXGA+ [1,400 x 1,050]  | 4K+ [5,120 x 3,200]   | WUXGA [1,920 x 1,200]   |
| <b>Contrast ratio (full on/full off)</b>         | 20,000:1   | 20,000:1   | 20,000:1   | 20,000:1  | 20,000:1  |
| <b>Screen size (diagonal)</b>                    | 1.78-25.4 m [70-1,000 in]*8  | 1.78-25.4 m [70-1,000 in]*8  | 1.78-25.4 m [70-1,000 in]*8  | 1.78-25.4 m [70-1,000 in]*8   | 1.78-25.4 m [70-1,000 in]*8   |
| <b>Lens shift*2</b>                              | Vertical: ±59 %*9,<br>Horizontal: ±29 %*9 (powered)  | Vertical: ±55 %*11,<br>Horizontal: ±20 %*11 (powered)  | Vertical: ±50 %*12,<br>Horizontal: ±30 %*12 (powered)  | Vertical: ±59 %*9,<br>Horizontal: ±29 %*9 (powered)   | Vertical: ±55 %*11,<br>Horizontal: ±20 %*11 (powered)   |
| <b>Filter Replacement Cycle</b>                  | 4,000 hours (NORMAL)/2,000 hours (HIGH)/<br>20,000 hours (LONG LIFE1/2/3)  | 4,000 hours (NORMAL)/2,000 hours (HIGH)/<br>20,000 hours (LONG LIFE1/2/3)  | 4,000 hours (NORMAL)/2,000 hours (HIGH)/<br>20,000 hours (LONG LIFE1/2/3)  | - (No filter)   | - (No filter)   |
| <b>Installation</b>                              | 360-degree free installation   | 360-degree free installation   | 360-degree free installation   | 360-degree free installation  | 360-degree free installation  |
| <b>Terminals</b>                                 | SDI in [BNC x 4 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)]<br>Multi Projector Sync in [BNC x 1]<br>Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5 V, up to 900 mA])]                                      | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out / Multi Projector Sync in [BNC x 1]<br>3D SYNC out / Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1 (RS232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5 V, up to 900 mA])] | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out / Multi Projector Sync in [BNC x 1]<br>3D SYNC out / Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1 (RS232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5 V, up to 900 mA])] | SDI in [BNC x 4 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)]<br>Multi Projector Sync in [BNC x 1]<br>Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5 V, up to 2 A])]  | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out / Multi Projector Sync in [BNC x 1]<br>3D SYNC out / Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5 V, up to 2 A])]  |
| <b>Power supply</b>                              | 100-240 V AC, 50/60 Hz*10  | 100-240 V AC, 50/60 Hz*10  | 100-240 V AC, 50/60 Hz*10  | 200-240 V AC, 50/60 Hz*13   | 200-240 V AC, 50/60 Hz*13   |
| <b>Power consumption</b>                         | 2,950 W  | 2,870 W  | 2,870 W  | 1,650 W   | 1,510 W   |
| <b>BTU value</b>                                 | Max. 10,079 BTU  | Max. 9,806 BTU   | Max. 9,806 BTU   | Max. 5,364 BTU  | Max. 5,159 BTU  |
| <b>Operation noise</b>                           | 49 dB  | 49 dB  | 49 dB  | 46 dB   | 46 dB   |
| <b>Dimensions (W x H*3 x D*4)</b>                | 700 x 418 x 1070 mm<br>(27-9/16 x 16-15/32 x 42-1/8 in)  | 700 x 418 x 1070 mm<br>(27-9/16 x 16-15/32 x 42-1/8 in)  | 700 x 418 x 1070 mm<br>(27-9/16 x 16-15/32 x 42-1/8 in)  | 598 x 270 x 725 mm<br>(23-17/32 x 10-5/8 x 28-17/32 in)   | 598 x 270 x 725 mm<br>(23-17/32 x 10-5/8 x 28-17/32 in)   |
| <b>Weight*5</b>                                  | Approx. 83 kg/183 lbs  | Approx. 79.0 kg/174.2 lbs  | Approx. 79.0 kg/174.2 lbs  | Approx. 54.0 kg/119 lbs   | Approx. 49.0 kg/108 lbs   |
| <b>Optional accessories</b>                      | ET-EMF330 (Replacement filter unit)<br>ET-EMFU330 (Long life filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-D75MKS10 (Stepping Motor Kit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)<br>ET-MDNHV10 (DVI-D Input Board)<br>ET-MDN12G10 (12G-SDI Input Board)<br>TY-TBN03G (3G-SDI Input Board) | ET-EMF330 (Replacement filter unit)<br>ET-EMFU330 (Long life filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-D75MKS10 (Stepping Motor Kit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)  | ET-EMF330 (Replacement filter unit)<br>ET-EMFU330 (Long life filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-D75MKS10 (Stepping Motor Kit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)  | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-D75MKS10 (Stepping Motor kit)<br>ET-PLF10 (Lens Fixed Attachment)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)<br>ET-MDNHV10 (DVI-D Input Board)<br>ET-MDNHM10 (HDMI Input Board)<br>ET-MDN12G10 (12G-SDI Input Board)<br>TY-TBN03G (3G-SDI Input Board)<br>ET-MDNDP10 (DisplayPort Input Board) | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-D75MKS10 (Stepping Motor kit)<br>ET-PLF10 (Lens Fixed Attachment)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)<br>ET-MDNHV10 (DVI-D Input Board)<br>ET-MDNHM10 (HDMI Input Board)<br>ET-MDN12G10 (12G-SDI Input Board)<br>TY-TBN03G (3G-SDI Input Board)<br>ET-MDNDP10 (DisplayPort Input Board) |
| <b>Optional lens</b>                             | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)   | Yes (see the Optional Lenses page: P45)   |

\*1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: protruding parts not included. \*5: Average value. Each product has an individual variable in weight. \*6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON) \*7: Luminance measured at center of screen.

\*8: 1.78-15.24 m [70-600 in] with the ET-D75LE8/D3LET80. 3.05-15.24 m [120-600 in] with the ET-D75LE95. \*9: Vertical ±56 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60. \*10: Brightness restricted with voltage lower than 200 V. \*11: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60. \*12: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6/ET-D3LEW60. \*13: Light output will decrease to approximately 50 % when using the projector with AC 100 V to AC 120 V [9.6 A].



# Large-Venue

## PT-RS20K



20,000 lm / 21,000 lm (Center)\*7 | SXGA+  
\* Lens sold separately.



## PT-RQ13K



10,000 lm | 4K+\*6  
\* Lens sold separately.



## PT-RZ12K



12,000 lm | WUXGA  
\* Lens sold separately.



## PT-RS11K



12,000 lm | SXGA+  
\* Lens sold separately.



|  |   |  |  |  |
|--|---|--|--|--|
| <b>Projector type</b>                            | 3-Chip DLP™ Projector   | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  |
| <b>Panel size</b>                                | 24.1 mm [0.95 in]   | 22.9 mm [0.9 in]   | 24.4 mm [0.96 in]  | 24.1 mm [0.95 in]  |
| <b>Aspect ratio</b>                              | 4:3   | 16:10  | 16:10  | 4:3  |
| <b>Number of pixels</b>                          | 1,470,000 [1,400 x 1,050] x 3, total of 4,410,000 pixels  | 4,096,000 [2,560 x 1,600] x 3, total of 12,288,000 pixels  | 2,304,000 [1,920 x 1,200] x 3, total of 6,912,000 pixels   | 1,470,000 [1,400 x 1,050] x 3, total of 4,410,000 pixels   |
| <b>Light source</b>                              | Laser diodes  | Laser diodes   | Laser diodes   | Laser diodes   |
| <b>Light output</b>                              | 20,000 lm (NORMAL) / 21,000 lm (Center)*7   | 10,000 lm  | 12,000 lm  | 12,000 lm  |
| <b>Time until light output declines to 50%*1</b> | 20,000 hours [NORMAL]/<br>24,000 hours [ECO]  | 20,000 hours [NORMAL]/24,000 hours [ECO]/<br>43,000 hours [LONG LIFE1]/61,000 hours [LONG LIFE2]/<br>87,000 hours [LONG LIFE3]   | 20,000 hours [NORMAL]/24,000 hours [ECO]/<br>43,000 hours [LONG LIFE1]/61,000 hours [LONG LIFE2]/<br>87,000 hours [LONG LIFE3]   | 20,000 hours [NORMAL]/24,000 hours [ECO]/<br>43,000 hours [LONG LIFE1]/61,000 hours [LONG LIFE2]/<br>87,000 hours [LONG LIFE3]   |
| <b>Resolution</b>                                | SXGA+ [1,400 x 1,050]   | 4K+ [5,120 x 3,200]  | WUXGA [1,920 x 1,200]  | SXGA+ [1,400 x 1,050]  |
| <b>Contrast ratio (full on/full off)</b>         | 20,000:1  | 20,000:1   | 20,000:1   | 20,000:1   |
| <b>Screen size (diagonal)</b>                    | 1.78-25.4 m [70-1,000 in]*8   | 1.78-25.4 m [70-1,000 in]*8  | 1.78-25.4 m [70-1,000 in]*8  | 1.78-25.4 m [70-1,000 in]*8  |
| <b>Lens shift*2</b>                              | Vertical: ±50 %*9,<br>Horizontal: ±30 %*9 (powered)   | Vertical: ±59 %*11,<br>Horizontal: ±29 %*11 (powered)  | Vertical: ±55 %*12,<br>Horizontal: ±20 %*12 (powered)  | Vertical: ±50 %*9,<br>Horizontal: ±30 %*9 (powered)  |
| <b>Filter Replacement Cycle</b>                  | - (No filter)   | 20,000 hours   | 20,000 hours   | 20,000 hours   |
| <b>Installation</b>                              | 360-degree free installation  | 360-degree free installation   | 360-degree free installation   | 360-degree free installation   |
| <b>Terminals</b>                                 | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out / Multi Projector Sync in [BNC x 1]<br>3D SYNC out / Multi Projector Sync out [BNC x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>DC out [USB type-A x 2<br>(for power supply [DC 5V, up to 2 A])] | SDI in [BNC x 4 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)]<br>FRAME SYNC in/out [BNC x 1<br>(Frame-synchronizing timing signal)]<br>FRAME SYNC out [BNC x 1<br>(Frame-synchronizing timing signal)]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Optional board slot [Slot x 2]  | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out [BNC x 1 (3D timing signal)]<br>3D SYNC out [BNC x 1 (3D timing signal)]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 2 (3G/HD/SD-SDI,<br>Dual-link 3G/HD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out [BNC x 1 (3D timing signal)]<br>3D SYNC out [BNC x 1 (3D timing signal)]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] |
| <b>Power supply</b>                              | 200-240 V AC, 50/60 Hz*10   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                         | 1,510 W   | 1,270 W  | 1,200 W  | 1,200 W  |
| <b>BTU value</b>                                 | Max. 5,159 BTU  | Max. 4,334 BTU   | Max. 4,096 BTU   | Max. 4,096 BTU   |
| <b>Operation noise</b>                           | 46 dB   | 46 dB  | 43 dB  | 43 dB  |
| <b>Dimensions (W x H*3 x D*4)</b>                | 598 x 270 x 725 mm<br>(23-17/32 x 10-5/8 x 28-17/32 in)   | 578 x 323.5 x 740 mm<br>(22-3/4 x 12-23/32 x 29-1/8 in)  | 578 x 323.5 x 740 mm<br>(22-3/4 x 12-23/32 x 29-1/8 in)  | 578 x 323.5 x 740 mm<br>(22-3/4 x 12-23/32 x 29-1/8 in)  |
| <b>Weight*5</b>                                  | Approx. 49.0 kg/108 lbs   | Approx. 49 kg/108 lbs  | Approx. 44.0 kg/97 lbs   | Approx. 44.0 kg/97 lbs   |
| <b>Optional accessories</b>                      | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-D75MKS10 (Stepping Motor kit)<br>ET-PLF10 (Lens Fixed Attachment)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)   | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF330 (Replacement filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)<br>ET-MDNV10 (DVI-D Input Board)<br>ET-MDNH10 (HDMI Input Board)<br>ET-MDN12G10 (12G-SDI Input Board)<br>TY-TBN03G (3G-SDI Input Board) | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF330 (Replacement filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)                                 | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PKD520B (Attachment for ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF330 (Replacement filter unit)<br>ET-SFR330 (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)                                 |
| <b>Optional lens</b>                             | Yes (see the Optional Lenses page: P45)   | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  |

\*1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: protruding parts not included. \*5: Average value. Each product has an individual variable in weight. \*6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON)

\*7: Luminance measured at center of screen. \*8: 1.78-15.24 m [70-600 in] with the ET-D75LE8/D3LET80. 3.05-15.24 m [120-600 in] with the ET-D75LE95. \*9: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6/ET-D3LEW60. \*10: Light output will decrease to approximately 50 % when using the projector with AC 100 V to AC 120 V [9.6 A]. \*11: Vertical ±44 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60. \*12: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60.

## CASE STUDIES

### Events / Rental Staging



### The World's Tallest Projection Mapping Shows (Israel)

Panasonic PT-RZ31K projectors with powerful 31,000-lumen output keep projections bright and bold even in the toughest conditions. A total of 70 Panasonic projectors with 148 million pixels thrilled spectators with large-scale projection mapping.

Equipment installed:  
3-Chip DLP™ projector  
PT-RZ31K (x70)



### Events / Rental Staging



### Into the Forest (UK)

Projection mapping lit up Waltham Forest Town Hall in celebration of Waltham being named the London Borough of Culture. Twelve Panasonic PT-RZ31K projectors in portrait orientation covered every surface of the building.

Equipment installed:  
3-Chip DLP™ projector  
PT-RZ31K (x12)



# Large-Venue

## PT-DZ21K2



20,000 lm | WUXGA  
\* Lens sold separately.



## PT-DS20K2



20,000 lm | SXGA+  
\* Lens sold separately.



## PT-DW17K2



17,000 lm | WXGA  
\* Lens sold separately.



## PT-DZ16K2



16,000 lm | Full HD  
\* Lens sold separately.



|  |  |  |  |   |
|--|--|--|--|---|
| <b>Projector type</b>                            | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector  | 3-Chip DLP™ Projector   |
| <b>Panel size</b>                                | 24.4 mm [0.96 in]  | 24.1 mm [0.95 in]  | 21.6 mm [0.85 in]  | 24.1 mm [0.95 in]   |
| <b>Aspect ratio</b>                              | 16:10  | 4:3  | 16:9   | 16:9  |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) x 3,<br>total of 6,912,000 pixels  | 1,470,000 (1,400 x 1,050) x 3,<br>total of 4,410,000 pixels  | 1,049,088 (1,366 x 768) x 3,<br>total of 3,147,264 pixels  | 2,073,600 (1,920 x 1,080) x 3,<br>total of 6,220,800 pixels   |
| <b>Light source</b>                              | 432 W UHM Lamp x 4   | 432 W UHM Lamp x 4   | 432 W UHM Lamp x 4   | 432 W UHM Lamp x 4  |
| <b>Light output</b>                              | 20,000 lm  | 20,000 lm  | 17,000 lm  | 16,000 lm   |
| <b>Time until light output declines to 50%*1</b> | 3,000 hours [QUAD]/<br>6,000 hours [DUAL]  | 3,000 hours [QUAD]/<br>6,000 hours [DUAL]  | 3,000 hours [QUAD]/<br>6,000 hours [DUAL]  | 3,000 hours [QUAD]/<br>6,000 hours [DUAL]   |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)  | SXGA+ (1,400 x 1,050)  | WXGA (1,366 x 768)   | Full HD (1,920 x 1,080)   |
| <b>Contrast ratio (full on/full off)</b>         | 10,000:1   | 10,000:1   | 10,000:1   | 10,000:1  |
| <b>Screen size (diagonal)</b>                    | 1.78-25.4 m [70-1,000 in]*7  | 1.78-25.4 m [70-1,000 in]*7  | 1.78-25.4 m [70-1,000 in]*7  | 1.78-25.4 m [70-1,000 in]*7   |
| <b>Lens shift*2</b>                              | Vertical: ±55 %*8,<br>Horizontal: ±20 %*8 (powered)  | Vertical: ±50 %*9,<br>Horizontal: ±30 %*9 (powered)  | Vertical: ±70 %*10,<br>Horizontal: ±30 %*10 (powered)  | Vertical: ±60 %*11,<br>Horizontal: ±20 %*11 (powered)   |
| <b>Filter Replacement Cycle</b>                  | 12,000 hours   | 12,000 hours   | 12,000 hours   | 12,000 hours  |
| <b>Installation</b>                              | Ceiling/floor, front/rear, portrait*6  | Ceiling/floor, front/rear, portrait*6  | Ceiling/floor, front/rear, portrait*6  | Ceiling/floor, front/rea  |
| <b>Terminals</b>                                 | SDI in [BNC x 2 (3G/HD/SD-SDI)]<br>3D SYNC in/out [BNC x 1 (3D timing signal)]<br>3D SYNC out [BNC x 1 (3D timing signal)]<br>DVI-D in [DVI-D 24-pin x 1]<br>HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 2 (3G/HD/SD-SDI)]<br>3D SYNC in/out [BNC x 1 (3D timing signal)]<br>3D SYNC out [BNC x 1 (3D timing signal)]<br>DVI-D in [DVI-D 24-pin x 1]<br>HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | DVI-D in [DVI-D 24-pin x 1]<br>HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>DVI-D in [DVI-D 24-pin x 1]<br>HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] |
| <b>Power supply</b>                              | 200-240 V AC, 50/60 Hz   | 200-240 V AC, 50/60 Hz   | 200-240 V AC, 50/60 Hz   | 200-240 V AC, 50/60 Hz  |
| <b>Power consumption</b>                         | 2,060 W  | 2,060 W  | 2,060 W  | 2,060 W   |
| <b>BTU value</b>                                 | Max. 7,031 BTU   | Max. 7,031 BTU   | Max. 7,031 BTU   | Max. 7,031 BTU  |
| <b>Operation noise</b>                           | 46 dB  | 46 dB  | 46 dB  | 46 dB   |
| <b>Dimensions (W x H*3 x D*4)</b>                | 620 x 291 x 800 mm<br>[24-13/32 x 11-15/32 x 31-1/2 in]  | 620 x 291 x 800 mm<br>[24-13/32 x 11-15/32 x 31-1/2 in]  | 620 x 291 x 800 mm<br>[24-13/32 x 11-15/32 x 31-1/2 in]  | 620 x 291 x 800 mm<br>[24-13/32 x 11-15/32 x 31-1/2 in]   |
| <b>Weight*5</b>                                  | Approx. 41.0 kg/90.4 lbs   | Approx. 41.0 kg/90.4 lbs   | Approx. 41.0 kg/90.4 lbs   | Approx. 41.0 kg/90.4 lbs  |
| <b>Replacement lamp</b>                          | ET-LAD520/ET-LAD520F<br>ET-LAD520P/ET-LAD520PF (for portrait mode)   | ET-LAD520/ET-LAD520F<br>ET-LAD520P/ET-LAD520PF (for portrait mode)   | ET-LAD520/ET-LAD520F<br>ET-LAD520P/ET-LAD520PF (for portrait mode)   | ET-LAD520/ET-LAD520F  |
| <b>Optional accessories</b>                      | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF510 (Replacement filter unit)<br>Service Parts (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]   | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF510 (Replacement filter unit)<br>Service Parts (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]   | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF510 (Replacement filter unit)<br>Service Parts (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD520H (High ceiling mount bracket)<br>ET-PKD520S (Low ceiling mount bracket)<br>ET-PFD510 (Frame)<br>ET-EMF510 (Replacement filter unit)<br>Service Parts (Smoke cut filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)   |
| <b>Optional lens</b>                             | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)  | Yes (see the Optional Lenses page: P45)   |

\*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. \*2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: lens not included.

\*5: Average value. Each product has an individual variable in weight. \*6: Mounting the optional lamp unit for portrait mode is required.

\*7: 1.78-15.24 m [70-600 in] with the ET-D75LE8. 3.05-15.24 m [120-600 in] with the ET-D75LE9. \*8: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. \*9: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. \*10: Vertical ±60 % and horizontal ±20 % with the ET-D75LE6.

\*11: Vertical ±50 % and horizontal ±15 % with the ET-D75LE6.

# Installation

PT-RZ120  
PT-RZ120L\*<sup>6</sup>



12,000 lm / 12,600 lm (Center)\*<sup>8</sup> WUXGA  
\* Available in black/white cabinet.



PT-RZ970  
PT-RZ970L\*<sup>6</sup>



9,400 lm / 10,000 lm (Center)\*<sup>8</sup> WUXGA  
\* Available in black/white cabinet.



PT-RW930  
PT-RW930L\*<sup>6</sup>



9,400 lm / 10,000 lm (Center)\*<sup>8</sup> WXGA  
\* Available in black/white cabinet.



PT-RX110  
PT-RX110L\*<sup>6</sup>



10,000 lm / 10,400 lm (Center)\*<sup>8</sup> XGA  
\* Available in black/white cabinet.



PT-RZ870  
PT-RZ870L\*<sup>6</sup>



8,500 lm / 8,800 lm (Center)\*<sup>8</sup> WUXGA  
\* Available in black/white cabinet.



|   |   |   |  |  |   |
|---|---|---|--|--|---|
| <b>Projector type</b>                                       | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector   |
| <b>Panel size</b>   | 17.0 mm [0.67 in]   | 17.0 mm [0.67 in]   | 16.5 mm [0.65 in]  | 17.8 mm [0.7 in]   | 17.0 mm [0.67 in]   |
| <b>Aspect ratio</b>   | 16:10   | 16:10   | 16:10  | 4:3  | 16:10   |
| <b>Number of pixels</b>                                     | 2,304,000 (1,920 x 1,200) pixels  | 2,304,000 (1,920 x 1,200) pixels  | 1,024,000 (1,280 x 800) pixels   | 786,432 (1,024 x 768) pixels   | 2,304,000 (1,920 x 1,200) pixels  |
| <b>Light source</b>   | Laser diode   | Laser diode   | Laser diode  | Laser diode  | Laser diode   |
| <b>Light output</b>   | 12,000 lm / 12,600 lm (Center)* <sup>8</sup>  | 9,400 lm / 10,000 lm (Center)* <sup>8</sup>   | 9,400 lm / 10,000 lm (Center)* <sup>8</sup>  | 10,000 lm / 10,400 lm (Center)* <sup>8</sup>   | 8,500 lm / 8,800 lm (Center)* <sup>8</sup>  |
| <b>Time until light output declines to 50%*<sup>1</sup></b> | 20,000 hours (NORMAL)/<br>24,000 hours (ECO)  | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)  | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)   | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)   | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/<br>87,600 hours (LONG LIFE3)  |
| <b>Resolution</b>   | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)   | WXGA (1,024 x 768)   | WUXGA (1,920 x 1,200)   |
| <b>Contrast ratio (full on/full off)</b>                    | 10,000:1  | 10,000:1  | 10,000:1   | 10,000:1   | 10,000:1  |
| <b>Screen size (diagonal)</b>                               | 1.27-15.24 m [50-600 in]* <sup>9</sup>  | 1.27-15.24 m [50-600 in]* <sup>9</sup>  | 1.27-15.24 m [50-600 in]* <sup>9</sup>   | 1.27-15.24 m [50-600 in]* <sup>9</sup>   | 1.27-15.24 m [50-600 in]* <sup>9</sup>  |
| <b>Lens (throw ratio)</b>                                   | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-RZ120)  | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-RZ970)  | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-RW930)   | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.4:1] (PT-RX110)   | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-RZ870)  |
| <b>Lens shift*<sup>2</sup></b>                              | Vertical: +50 %* <sup>10</sup> /-16 %,<br>Horizontal: +30 %* <sup>10</sup> 11/-10 % [powered]   | Vertical: +50 %/-16 %,<br>Horizontal: +30 %* <sup>11</sup> /-10 % [powered]   | Vertical: +60 %/-16 %,<br>Horizontal: +30 %* <sup>11</sup> /-10 % [powered]  | Vertical: +45 %/-13 %,<br>Horizontal: +30 %* <sup>11</sup> /-10 % [powered]  | Vertical: +50 %* <sup>10</sup> /-16 %,<br>Horizontal: +30 %* <sup>10</sup> 11/-10 % [powered]   |
| <b>Filter Replacement Cycle</b>                             | - [No filter]   | - [No filter]   | - [No filter]  | - [No filter]  | - [No filter]   |
| <b>Installation</b>   | 360-degree free installation  | 360-degree free installation  | 360-degree free installation   | 360-degree free installation   | 360-degree free installation  |
| <b>Terminals</b>  | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] |
| <b>Power supply</b>   | 100-240 V AC, 11.0-4.5 A, 50/60 Hz  | 100-240 V AC, 10.4-5.0 A, 50/60 Hz  | 100-240 V AC, 10.4-5.0 A, 50/60 Hz   | 100-240 V AC, 10.4-5.0 A, 50/60 Hz   | 100-240 V AC, 9.9-4.5 A, 50/60 Hz   |
| <b>Power consumption</b>                                    | 1,100 W   | 1,050 W   | 1,050 W  | 1,050 W  | 950 W   |
| <b>BTU value</b>  | Max. 3,754 BTU  | Max. 3,584 BTU  | Max. 3,584 BTU   | Max. 3,584 BTU   | Max. 3,242 BTU  |
| <b>Operation noise</b>                                      | 44 dB (NORMAL)/41 dB [QUIET1]/38 dB [QUIET2]  | 41dB (NORMAL)/37dB [QUIET1]/35dB [QUIET2]   | 41dB (NORMAL)/37dB [QUIET1]/35dB [QUIET2]  | 41dB (NORMAL)/37dB [QUIET1]/35dB [QUIET2]  | 41dB (NORMAL)/37dB [QUIET1]/35dB [QUIET2]   |
| <b>Dimensions (W x H*<sup>3</sup> x D*<sup>4</sup>)</b>     | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)  | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)  | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)   | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)   | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)  |
| <b>Weight*<sup>5</sup></b>                                  | Approx. 23.6 kg/51.9 lbs<br>(PT-RZ120L: approx. 22.8 kg/50.2 lbs)   | Approx. 23.2 kg/51.1 lbs<br>(PT-RZ970L: approx. 22.4 kg/49.4 lbs)   | Approx. 23.2 kg/51.1 lbs<br>(PT-RW930L: approx. 22.4 kg/49.4 lbs)  | Approx. 23.2 kg/51.1 lbs<br>(PT-RX110L: approx. 22.4 kg/49.4 lbs)  | Approx. 23.2 kg/51.1 lbs<br>(PT-RZ870L: approx. 22.4 kg/49.4 lbs)   |
| <b>Optional accessories</b>                                 | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]  |
| <b>Optional lens</b>  | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P47]   |

\*1: After approximately 20,000 hours, cleaning needs to be performed [by the vendor which you purchased from]. The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: including the supplied lens. Depth: 538 mm (21-3/16 in) for the lens-less models.

\*5: Average value. Each product has an individual variable in weight. \*6: Lens-less model. \*7: HDMI/DIGITAL LINK input only. \*8: Luminance measured at center of screen. \*9: 1.27-5.08 m (50-200 in) with the ET-DLE055, 2.54-7.62 m (100-350 in) with the ET-DLE030. \*10: Vertical +40 % and horizontal +19 % with the ET-DLE060. \*11: Horizontal +28% with the ET-DLE085/DLE105.

# Installation

PT-RZ770  
PT-RZ770L\*<sup>6</sup>



7,000 lm / 7,200 lm (Center)\*<sup>7</sup> WUXGA

\* Available in black/white cabinet.



PT-RW730  
PT-RW730L\*<sup>6</sup>



7,000 lm / 7,200 lm (Center)\*<sup>7</sup> WXGA

\* Available in black/white cabinet.



PT-RZ660  
PT-RZ660L\*<sup>6</sup>



6,000 lm / 6,200 lm (Center)\*<sup>7</sup> WUXGA

\* Available in black/white cabinet.



PT-RW620  
PT-RW620L\*<sup>6</sup>



6,000 lm / 6,200 lm (Center)\*<sup>7</sup> WXGA

\* Available in black/white cabinet.



|   |   |  |  |  |
|---|---|--|--|--|
| <b>Projector type</b>                                       | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector  |
| <b>Panel size</b>   | 17.0 mm [0.67 in]   | 16.5 mm [0.65 in]  | 17.0 mm [0.67 in]  | 16.5 mm [0.65 in]  |
| <b>Aspect ratio</b>   | 16:10   | 16:10  | 16:10  | 16:10  |
| <b>Number of pixels</b>                                     | 2,304,000 (1,920 x 1,200) pixels  | 1,024,000 (1,280 x 800) pixels   | 2,304,000 (1,920 x 1,200) pixels   | 1,024,000 (1,280 x 800) pixels   |
| <b>Light source</b>   | Laser diode   | Laser diode  | Laser diode  | Laser diode  |
| <b>Light output</b>   | 7,000 lm / 7,200 lm (Center)* <sup>7</sup>  | 7,000 lm / 7,200 lm (Center)* <sup>7</sup>   | 6,000 lm / 6,200 lm (Center)* <sup>7</sup>   | 6,000 lm / 6,200 lm (Center)* <sup>7</sup>   |
| <b>Time until light output declines to 50%*<sup>1</sup></b> | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/<br>87,000 hours (LONG LIFE3)  | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/<br>87,000 hours (LONG LIFE3)   | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/<br>87,000 hours (LONG LIFE3)   | 20,000 hours (NORMAL)/24,000 hours (ECO)/<br>43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/<br>87,000 hours (LONG LIFE3)   |
| <b>Resolution</b>   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)   | WUXGA (1,920 x 1,200)  | WXGA (1,280 x 800)   |
| <b>Contrast ratio (full on/full off)</b>                    | 10,000:1  | 10,000:1   | 10,000:1   | 10,000:1   |
| <b>Screen size (diagonal)</b>                               | 1.27-15.24 m [50-600 in]* <sup>8</sup>  | 1.27-15.24 m [50-600 in]* <sup>8</sup>   | 1.27-15.24 m [50-600 in]* <sup>8</sup>   | 1.27-15.24 m [50-600 in]* <sup>8</sup>   |
| <b>Lens (throw ratio)</b>                                   | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-RZ770)  | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-RW730)   | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-RZ660)   | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-RW620)   |
| <b>Lens shift*<sup>2</sup></b>                              | Vertical: +50 %/-16 %,<br>Horizontal: +30 %* <sup>9</sup> /-10 % (powered)  | Vertical: +60 %/-16 %,<br>Horizontal: +30 %* <sup>9</sup> /-10 % (powered)   | Vertical: +50 %/-16 %,<br>Horizontal: +30 %* <sup>9</sup> /-10 % (powered)   | Vertical: +60 %/-16 %,<br>Horizontal: +30 %* <sup>9</sup> /-10 % (powered)   |
| <b>Filter Replacement Cycle</b>                             | - (No filter)   | - (No filter)  | - (No filter)  | - (No filter)  |
| <b>Installation</b>   | 360-degree free installation  | 360-degree free installation   | 360-degree free installation   | 360-degree free installation   |
| <b>Terminals</b>  | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 1 (3G/HD/SD-SDI)]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial/Multi Projector Sync in<br>[D-sub 9-pin x 1 (RS-232C)]<br>Serial/Multi Projector Sync out<br>[D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] |
| <b>Power supply</b>   | 100-240 V AC, 8.3-3.3 A, 50/60 Hz   | 100-240 V AC, 8.3-3.3 A, 50/60 Hz  | 100-240 V AC, 7.1-2.8 A, 50/60 Hz  | 100-240 V AC, 7.1-2.8 A, 50/60 Hz  |
| <b>Power consumption</b>                                    | 825 W   | 825 W  | 700 W  | 700 W  |
| <b>BTU value</b>  | Max. 2,815 BTU  | Max. 2,815 BTU   | Max. 2,389 BTU   | Max. 2,389 BTU   |
| <b>Operation noise</b>                                      | 36dB  | 36dB   | 35dB   | 35dB   |
| <b>Dimensions (W x H*<sup>3</sup> x D*<sup>4</sup>)</b>     | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)  | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)   | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)   | 498 x 200 x 581 mm<br>(19-19/32 x 7-7/8 x 22-7/8 in)   |
| <b>Weight*<sup>5</sup></b>                                  | Approx. 23.2 kg/51.1 lbs<br>(PT-RZ770L: approx. 22.4 kg/49.4 lbs)   | Approx. 23.2 kg/51.1 lbs<br>(PT-RW730L: approx. 22.4 kg/49.4 lbs)  | Approx. 23.1 kg/50.9 lbs<br>(PT-RZ660L: approx. 22.3 kg/49.2 lbs)  | Approx. 23.1 kg/50.9 lbs<br>(PT-RW620L: approx. 22.3 kg/49.2 lbs)  |
| <b>Optional accessories</b>                                 | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-UK20 (Geometry Manager Pro Upgrade kit)<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]   | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  |
| <b>Optional lens</b>  | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P47]  |

\*1: After approximately 20,000 hours, cleaning needs to be performed [by the vendor which you purchased from]. The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: including the supplied lens. Depth: 538 mm (21-3/16 in) for the lens-less models.

\*5: Average value. Each product has an individual variable in weight. \*6: Lens-less model. \*7: Luminance measured at center of screen. \*8: 1.27-5.08 m [50-200 in] with the ET-DLE055. 2.54-7.62 m [100-350 in] with the ET-DLE030. \*9: Horizontal +28% with the ET-DLE085.



# Installation

## PT-RZ570



5,200 lm / 5,400 lm (Center)\*5 WUXGA  
\* Available in black/white cabinet.



## PT-RZ575



5,000 lm / 5,200 lm (Center)\*5 WUXGA



## PT-MZ770 PT-MZ770L\*6



8,000 lm WUXGA



## PT-MW730 PT-MW730L\*6



8,000 lm WXGA



|  |   |   |   |   |
|--|---|---|---|---|
| <b>Projector type</b>                            | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector   | LCD Projector   | LCD Projector   |
| <b>Panel size</b>                                | 17.0 mm [0.67 in]   | 17.0 mm [0.67 in]   | 19.3 mm [0.76 in]   | 19.3 mm [0.76 in]   |
| <b>Aspect ratio</b>                              | 16:10   | 16:10   | 16:10   | 16:10   |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) pixels  | 2,304,000 (1,920 x 1,200) pixels  | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   |
| <b>Light source</b>                              | Laser diode   | Laser diode   | Laser diode   | Laser diode   |
| <b>Light output</b>                              | 5,200 lm / 5,400 lm (Center)*5  | 5,000 lm / 5,200 lm (Center)*5  | 8,000 lm  | 8,000 lm  |
| <b>Time until light output declines to 50%*1</b> | 20,000 hours (NORMAL, SILENT)/ 24,000 hours (ECO)   | 20,000 hours (NORMAL, SILENT)/ 24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/ 61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)  | 20,000 hours  | 20,000 hours  |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)  |
| <b>Contrast ratio (full on/full off)</b>         | 20,000:1  | 20,000:1  | 3,000,000:1   | 3,000,000:1   |
| <b>Screen size (diagonal)</b>                    | 1.02-7.62 m [40-300 in]   | 1.02-7.62 m [40-300 in]   | 1.02-10.16 m [40-400 in]*9  | 1.02-10.16 m [40-400 in]*9  |
| <b>Lens (throw ratio)</b>                        | F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)   | F 1.75, f 11.9 mm (0.8:1)   | F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ770)  | F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW730)  |
| <b>Lens shift*2</b>                              | Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % [manual]   | Vertical: ±4.4 %, Horizontal: ±2.1 % [powered]  | Vertical: ±67 %*10, Horizontal: ±35 %*10 [powered]  | Vertical: ±67 %*10, Horizontal: ±35 %*10 [powered]  |
| <b>Filter Replacement Cycle</b>                  | - [No filter]   | - [No filter]   | - [No filter]   | - [No filter]   |
| <b>Installation</b>                              | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 2]<br>DVI-D in [DVI-D 24-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [Pin jack x 2 (L, R)]<br>Audio in 2/3 [M3 x 2]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>USB [USB type-A x 1] | HDMI in [HDMI 19-pin x 2]<br>DVI-D in [DVI-D 24-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [Pin jack x 2 (L, R)]<br>Audio in 2/3 [M3 x 2]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>USB [USB type-A x 1] | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]<br>Wireless Module connecting [USB x 1 (for ET-WM300 only)] | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]<br>Wireless Module connecting [USB x 1 (for ET-WM300 only)] |
| <b>Power supply</b>                              | 100-240 V AC, 5.9-2.3 A, 50/60 Hz   | 100-240 V AC, 5.9-2.3 A, 50/60 Hz   | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  |
| <b>Power consumption</b>                         | 500 W   | 500 W   | 570 W   | 545 W   |
| <b>BTU value</b>                                 | Max. 1,706 BTU  | Max. 1,706 BTU  | Max. 1,945 BTU  | Max. 1,860 BTU  |
| <b>Operation noise</b>                           | 33 dB (NORMAL, ECO)/28 dB (SILENT)  | 33 dB (NORMAL, ECO)/28 dB (SILENT)  | 35 dB (NORMAL/ECO)/ 28 dB (QUIET)   | 35 dB (NORMAL/ECO)/ 28 dB (QUIET)   |
| <b>Dimensions (W x H*3 x D)</b>                  | 498 x 168 x 492 mm (19-19/32 x 6-5/8 x 19-3/8 in)   | 498 x 168 x 481 mm (19-19/32 x 6-5/8 x 18-15/16 in)   | 560 x 205 x 443*11 mm (22-1/16 x 8-1/16 x 17-7/16*11 in)  | 560 x 205 x 443*11 mm (22-1/16 x 8-1/16 x 17-7/16*11 in)  |
| <b>Weight*4</b>                                  | Approx. 16.3 kg/35.9 lbs  | Approx. 16.6 kg/36.6 lbs  | Approx. 17.1 kg/37.7 lbs (PT-MZ770L: approx. 16.2 kg/35.7 lbs)  | Approx. 17.1 kg/37.7 lbs (PT-MW730L: approx. 16.2 kg/35.7 lbs)  |
| <b>Optional accessories</b>                      | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B (Attachment for ceiling mount bracket)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B (Attachment for ceiling mount bracket)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B (Attachment for ceiling mount bracket)<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B (Attachment for ceiling mount bracket)<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)  |
| <b>Optional lens</b>                             | -   | -   | Yes [see the Optional Lenses page: P49]   | Yes [see the Optional Lenses page: P49]   |

\*1: After approximately 20,000 hours, cleaning needs to be performed [by the vendor which you purchased from]. The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Average value. Each product has an individual variable in weight.

\*5: Luminance measured at center of screen. \*6: Lens-less model. \*7: HDMI/DIGITAL LINK input only. \*8: The optional ET-WM300 Wireless Module is required. \*9: 1.52-10.16 m [60-400 in] with the ET-ELW22. \*10: Vertical ±60% and horizontal ±30% with the ET-ELW22. \*11: Depth: including the supplied lens. Depth: 428 mm [16-27/32 in] for the lens-less models.

## CASE STUDIES

### Events / Rental Staging



### Blackpool's Lightpool Festival (UK)

This festival combined classical music with state-of-the-art projection mapping. A total of 24 high-end Panasonic laser projectors quietly produced high levels of light output.

**Equipment installed:**  
3-Chip DLP™ projector  
PT-RZ31K (x16)  
PT-RZ21K (x8)



### Museums / Exhibitions



### Konica Minolta Planetarium Tokyo (Japan)

The Konica Minolta Planetarium Tokyo consists of two dome-shaped theaters. Surpassing even the entertainment level of the framed planetarium, captivating images and sounds centered on the Panasonic projectors.

**Equipment installed:**  
3-Chip DLP™ projector  
PT-RQ13K (x8)  
1-Chip DLP™ projector  
PT-RZ870 (x2)



# Installation

PT-MZ670  
PT-MZ670L\*6



6,500 lm WUXGA



PT-MW630  
PT-MW630L\*6



6,500 lm WXGA



PT-MZ570  
PT-MZ570L\*6



5,500 lm WUXGA



PT-MW530  
PT-MW530L\*6



5,500 lm WXGA



|  |   |   |   |   |
|--|---|---|---|---|
| <b>Projector type</b>                            | LCD Projector   | LCD Projector   | LCD Projector   | LCD Projector   |
| <b>Panel size</b>                                | 19.3 mm (0.76 in)   | 19.3 mm (0.76 in)   | 19.3 mm (0.76 in)   | 19.3 mm (0.76 in)   |
| <b>Aspect ratio</b>                              | 16:10   | 16:10   | 16:10   | 16:10   |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) x 3,<br>total of 6,912,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3,<br>total of 3,072,000 pixels  | 2,304,000 (1,920 x 1,200) x 3,<br>total of 6,912,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3,<br>total of 3,072,000 pixels  |
| <b>Light source</b>                              | Laser diode   | Laser diode   | Laser diode   | Laser diode   |
| <b>Light output</b>                              | 6,500 lm  | 6,500 lm  | 5,500 lm  | 5,500 lm  |
| <b>Time until light output declines to 50%*1</b> | 20,000 hours  | 20,000 hours  | 20,000 hours  | 20,000 hours  |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)  | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)  |
| <b>Contrast ratio (full on/full off)</b>         | 3,000,000:1   | 3,000,000:1   | 3,000,000:1   | 3,000,000:1   |
| <b>Screen size (diagonal)</b>                    | 1.02-10.16 m (40-400 in)*8  | 1.02-10.16 m (40-400 in)*8  | 1.02-10.16 m (40-400 in)*8  | 1.02-10.16 m (40-400 in)*8  |
| <b>Lens (throw ratio)</b>                        | F 1.7-2.3, f26.8-45.5 mm (1.6-2.8:1) (PT-MZ670)   | F 1.7-2.3, f26.8-45.5 mm (1.6-2.8:1) (PT-MW630)   | F 1.7-2.3, f26.8-45.5 mm (1.6-2.8:1) (PT-MZ570)   | F 1.7-2.3, f26.8-45.5 mm (1.6-2.8:1) (PT-MW530)   |
| <b>Lens shift*2</b>                              | Vertical: ±67 %*9,<br>Horizontal: ±35 %*9(powered)  | Vertical: ±67 %*9,<br>Horizontal: ±35 %*9(powered)  | Vertical: ±67 %*9,<br>Horizontal: ±35 %*9(powered)  | Vertical: ±67 %*9,<br>Horizontal: ±35 %*9(powered)  |
| <b>Filter Replacement Cycle</b>                  | - (No filter)   | - (No filter)   | - (No filter)   | - (No filter)   |
| <b>Installation</b>                              | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 2 A])<br>Wireless Module connecting<br>[USB x 1 (for ET-WM300 only)] | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 2 A])<br>Wireless Module connecting<br>[USB x 1 (for ET-WM300 only)] | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 2 A])<br>Wireless Module connecting<br>[USB x 1 (for ET-WM300 only)] | HDMI in [HDMI 19-pin x 2]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Variable audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]<br>Viewer/Pairing [USB type-A x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 2 A])<br>Wireless Module connecting<br>[USB x 1 (for ET-WM300 only)] |
| <b>Power supply</b>                              | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  |
| <b>Power consumption</b>                         | 525 W   | 505 W   | 450 W   | 415 W   |
| <b>BTU value</b>                                 | Max. 1,792 BTU  | Max. 1,724 BTU  | Max. 1,536 BTU  | Max. 1,416 BTU  |
| <b>Operation noise</b>                           | 32 dB [NORMAL/ECO]/ 26 dB [QUIET]   | 32 dB [NORMAL/ECO]/ 26 dB [QUIET]   | 32 dB [NORMAL/ECO]/ 26 dB [QUIET]   | 32 dB [NORMAL/ECO]/ 26 dB [QUIET]   |
| <b>Dimensions (W x H*3 x D*4)</b>                | 560 x 205 x 443 mm<br>(22-1/16 x 8-1/16 x 17-7/16 in)   | 560 x 205 x 443 mm<br>(22-1/16 x 8-1/16 x 17-7/16 in)   | 560 x 205 x 443 mm<br>(22-1/16 x 8-1/16 x 17-7/16 in)   | 560 x 205 x 443 mm<br>(22-1/16 x 8-1/16 x 17-7/16 in)   |
| <b>Weight*5</b>                                  | Approx. 16.9 kg/37.3 lbs<br>(PT-MZ670L: approx. 16.1 kg/35.5 lbs)   | Approx. 16.9 kg/37.3 lbs<br>(PT-MW630L: approx. 16.1 kg/35.5 lbs)   | Approx. 16.9 kg/37.3 lbs<br>(PT-MZ570L: approx. 16.1 kg/35.5 lbs)   | Approx. 16.9 kg/37.3 lbs<br>(PT-MW530L: approx. 16.1 kg/35.5 lbs)   |
| <b>Optional accessories</b>                      | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B<br>[Attachment for ceiling mount bracket]<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B<br>[Attachment for ceiling mount bracket]<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B<br>[Attachment for ceiling mount bracket]<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE301B<br>[Attachment for ceiling mount bracket]<br>ET-RMF100 (Replacement filter)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WM300 (Wireless Module)   |
| <b>Optional lens</b>                             | Yes (see the Optional Lenses page: P49)   | Yes (see the Optional Lenses page: P49)   | Yes (see the Optional Lenses page: P49)   | Yes (see the Optional Lenses page: P49)   |

\*1: After approximately 20,000 hours, cleaning needs to be performed [by the vendor which you purchased from]. The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: The lens shift cannot be used with a fixed-focus lens.

\*3: Height: with legs at shortest position. \*4: Depth: including the supplied lens. Depth: 428 mm (16-27/32 in) for the lens-less models.

\*5: Average value. Each product has an individual variable in weight. \*6: Lens-less model.

\*7: The optional ET-WM300 Wireless Module is required \*8: 1.52-10.16 m (60-400 in) with the ET-ELW22.

\*9: Vertical ±60% and horizontal ±30% with the ET-ELW22.

# Installation

PT-DZ870  
PT-DZ870L\*<sup>6</sup>



8,500 lm WUXGA  
\* Available in black/white cabinet.



PT-DW830  
PT-DW830L\*<sup>6</sup>



8,500 lm WXGA  
\* Available in black/white cabinet.



PT-DX100  
PT-DX100L\*<sup>6</sup>



10,000 lm XGA  
\* Available in black/white cabinet.



PT-DZ780  
PT-DZ780L\*<sup>6</sup>



7,000 lm WUXGA  
\* Available in black/white cabinet.



PT-DW750  
PT-DW750L\*<sup>6</sup>



7,000 lm WXGA  
\* Available in black/white cabinet.



|   |   |   |   |  |  |
|---|---|---|---|--|--|
| <b>Projector type</b>                                       | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector   | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector  |
| <b>Panel size</b>   | 17.0 mm [0.67 in]   | 16.5 mm [0.65 in]   | 17.8 mm [0.7 in]  | 17.0 mm [0.67 in]  | 16.5 mm [0.65 in]  |
| <b>Aspect ratio</b>   | 16:10   | 16:10   | 4:3   | 16:10  | 16:10  |
| <b>Number of pixels</b>                                     | 2,304,000 [1,920 x 1,200]   | 1,024,000 [1,280 x 800] pixels  | 786,432 [1,024 x 768] pixels  | 2,304,000 [1,920 x 1,200]  | 1,024,000 [1,280 x 800] pixels   |
| <b>Light source</b>   | 420 W UHM Lamp x 2  | 420 W UHM Lamp x 2  | 420 W UHM Lamp x 2  | 310 W UHM Lamp x 2   | 310 W UHM Lamp x 2   |
| <b>Light output</b>   | 8,500 lm  | 8,500 lm  | 10,000 lm   | 7,000 lm   | 7,000 lm   |
| <b>Time until light output declines to 50%*<sup>1</sup></b> | 3,000 hours [Dual, NORMAL]/<br>4,000 hours [Dual, ECO]  | 3,000 hours [Dual, NORMAL]/<br>4,000 hours [Dual, ECO]  | 3,000 hours [Dual, NORMAL]/<br>4,000 hours [Dual, ECO]  | 4,000 hours [Dual, NORMAL]/<br>6,000 hours [Dual, ECO]   | 4,000 hours [Dual, NORMAL]/<br>6,000 hours [Dual, ECO]   |
| <b>Resolution</b>   | WUXGA [1,920 x 1,200]   | WXGA [1,280 x 800]  | XGA [1,024 x 768]   | WUXGA [1,920 x 1,200]  | WXGA [1,280 x 800]   |
| <b>Contrast ratio (full on/full off)</b>                    | 10,000:1  | 10,000:1  | 10,000:1  | 3,000:1  | 3,000:1  |
| <b>Screen size (diagonal)</b>                               | 1.27-15.24 m [50-600 inches]* <sup>8</sup>  | 1.27-15.24 m [50-600 inches]* <sup>8</sup>  | 1.27-15.24 m [50-600 inches]* <sup>8</sup>  | 1.27-15.24 m [50-600 inches]* <sup>8</sup>   | 1.27-15.24 m [50-600 inches]* <sup>8</sup>   |
| <b>Lens (throw ratio)</b>                                   | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-DZ870)  | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-DW830)  | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-DX100)  | F 1.7-1.9, f 25.6-35.7 mm [1.7-2.4:1] (PT-DZ780)   | F 1.7-1.9, f 25.6-35.7 mm [1.8-2.5:1] (PT-DW750)   |
| <b>Lens shift*<sup>2</sup></b>                              | Vertical: ±50 %,<br>Horizontal: ±10 % [powered]   | Vertical: ±60 %,<br>Horizontal: ±10 % [powered]   | Vertical: ±50 %* <sup>10</sup> ,<br>Horizontal: ±10 % [powered]   | Vertical: +50 %/-16 %,<br>Horizontal: +30 %* <sup>11</sup> /-10 % [powered]  | Vertical: +60 %/-16 %,<br>Horizontal: +30 %* <sup>11</sup> /-10 % [powered]  |
| <b>Filter Replacement Cycle</b>                             | - [No filter]   | - [No filter]   | - [No filter]   | - [No filter]  | - [No filter]  |
| <b>Installation</b>   | Ceiling/floor, front/rear, portrait   | Ceiling/floor, front/rear, portrait   | Ceiling/floor, front/rear, portrait   | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>  | SDI in [BNC x 1]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out [BNC x 1 [3D timing signal]]<br>3D SYNC out [BNC x 1 [3D timing signal]]<br>Video in [BNC x 1]<br>Serial in [D-sub 9-pin x 1 [RS-232C]]<br>Serial out [D-sub 9-pin x 1 [RS-232C]]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out [BNC x 1 [3D timing signal]]<br>3D SYNC out [BNC x 1 [3D timing signal]]<br>Video in [BNC x 1]<br>Serial in [D-sub 9-pin x 1 [RS-232C]]<br>Serial out [D-sub 9-pin x 1 [RS-232C]]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>3D SYNC in/out [BNC x 1 [3D timing signal]]<br>3D SYNC out [BNC x 1 [3D timing signal]]<br>Video in [BNC x 1]<br>Serial in [D-sub 9-pin x 1 [RS-232C]]<br>Serial out [D-sub 9-pin x 1 [RS-232C]]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | SDI in [BNC x 1]<br>HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 [RS-232C]]<br>Serial out [D-sub 9-pin x 1 [RS-232C]]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 [RS-232C]]<br>Serial out [D-sub 9-pin x 1 [RS-232C]]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] |
| <b>Power supply</b>   | 120-240 V AC, 10-5.2 A, 50/60 Hz  | 120-240 V AC, 10-5.2 A, 50/60 Hz  | 120-240 V AC, 10-5.2 A, 50/60 Hz  | 120 V AC, 8 A, 50/60 Hz,<br>220-240 V AC, 4.5 A, 50/60 Hz  | 120 V AC, 7.5 A, 50/60 Hz,<br>220-240 V AC, 4.3 A, 50/60 Hz  |
| <b>Power consumption</b>                                    | 1,030 W   | 1,030 W   | 1,030 W   | 790 W [except Taiwan], 785 W [Taiwan]  | 790 W [except Taiwan], 785 W [Taiwan]  |
| <b>BTU value</b>  | Max. 3,516 BTU  | Max. 3,516 BTU  | Max. 3,516 BTU  | Max. 2,696 BTU   | Max. 2,696 BTU   |
| <b>Operation noise</b>                                      | 40 dB [Dual, NORMAL]/35 dB [Dual, ECO]  | 40 dB [Dual, NORMAL]/35 dB [Dual, ECO]  | 40 dB [Dual, NORMAL]/35 dB [Dual, ECO]  | 30 dB [Dual, NORMAL]/28 dB [Dual, ECO]   | 30 dB [Dual, NORMAL]/28 dB [Dual, ECO]   |
| <b>Dimensions [W x H*<sup>3</sup> x D*<sup>4</sup>]</b>     | 498 x 200 x 556* <sup>9</sup> mm<br>[19-19/32 x 7-7/8 x 21-7/8* <sup>9</sup> in]  | 498 x 200 x 556* <sup>9</sup> mm<br>[19-19/32 x 7-7/8 x 21-7/8* <sup>9</sup> in]  | 498 x 200 x 556* <sup>9</sup> mm<br>[19-19/32 x 7-7/8 x 21-7/8* <sup>9</sup> in]  | 498 x 175 x 521* <sup>12</sup> mm<br>[19-19/32 x 6-7/8 x 20-1/2* <sup>12</sup> in]   | 498 x 175 x 521* <sup>12</sup> mm<br>[19-19/32 x 6-7/8 x 20-1/2* <sup>12</sup> in]   |
| <b>Weight*<sup>5</sup></b>                                  | Approx. 18.3 kg/40.3 lbs<br>(PT-DZ870L: approx. 17.6 kg/38.8 lbs)   | Approx. 18.3 kg/40.3 lbs<br>(PT-DW830L: approx. 17.6 kg/38.8 lbs)   | Approx. 18.3 kg/40.3 lbs<br>(PT-DX100L: approx. 17.6 kg/38.8 lbs)   | Approx. 17.8 kg/39.2 lbs<br>(PT-DZ780L: approx. 17 kg/37.5 lbs)  | Approx. 17.8 kg/39.2 lbs<br>(PT-DW750L: approx. 17 kg/37.5 lbs)  |
| <b>Replacement lamp</b>                                     | ET-LAD120/ET-LAD120W<br>ET-LAD120P/ET-LAD120PW (for portrait mode)  | ET-LAD120/ET-LAD120W<br>ET-LAD120P/ET-LAD120PW (for portrait mode)  | ET-LAD120/ET-LAD120W<br>ET-LAD120P/ET-LAD120PW (for portrait mode)  | ET-LAD70/ET-LAD70W   | ET-LAD70/ET-LAD70W   |
| <b>Optional accessories</b>                                 | ET-PKD130H [High ceiling mount bracket]<br>ET-PKD120S [Low ceiling mount bracket]<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]<br>ET-UK20 [Geometry Manager Pro Upgrade kit]<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]  | ET-PKD130H [High ceiling mount bracket]<br>ET-PKD120S [Low ceiling mount bracket]<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]   | ET-PKD130H [High ceiling mount bracket]<br>ET-PKD120S [Low ceiling mount bracket]<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]   | ET-PKD130H [High ceiling mount bracket]<br>ET-PKD120S [Low ceiling mount bracket]<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]<br>ET-UK20 [Geometry Manager Pro Upgrade kit]<br>ET-CUK10/CUK10P<br>[Auto Screen Adjustment Upgrade Kit]                                 | ET-PKD130H [High ceiling mount bracket]<br>ET-PKD120S [Low ceiling mount bracket]<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]  |
| <b>Optional lens</b>  | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]   | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P47]  |

\*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle.

\*2: The lens shift cannot be used with a fixed-focus lens. \*3: Height: with legs at shortest position. \*4: Depth: including the supplied lens.

\*5: Average value. Each product has an individual variable in weight. \*6: Lens-less model.

\*7: Mounting the optional lamp unit for portrait mode and updating the projector's firmware to MAIN Ver. 2.00 or later are required.

\*8: 1.27-5.08 m [50-200 in] with the ET-DLE055. 2.54-8.89 m [100-350 in] with the ET-DLE030. \*9: Depth: 513 mm [20-3/16 in] for the lens-less models.

\*10: Vertical +45% with the ET-DLE085. \*11: Horizontal +28% with the ET-DLE085. \*12: Depth: 508 mm [20 in] for the lens-less models.

# Installation

PT-DX820  
PT-DX820L\*<sup>6</sup>



8,200 lm XGA  
\* Available in black/white cabinet.



PT-EZ770Z  
PT-EZ770ZL\*<sup>6</sup>



6,500 lm WUXGA



PT-EW730Z  
PT-EW730ZL\*<sup>6</sup>



7,000 lm WXGA



PT-EX800Z  
PT-EX800ZL\*<sup>6</sup>



7,500 lm XGA



|   |  |  |  |  |
|---|--|--|--|--|
| <b>Projector type</b>                                       | 1-Chip DLP™ Projector  | LCD Projector  | LCD Projector  | LCD Projector  |
| <b>Panel size</b>   | 17.8 mm [0.7 in]   | 19.0 mm [0.76 in]  | 19.0 mm [0.76 in]  | 20.0 mm [0.79 in]  |
| <b>Aspect ratio</b>   | 4:3  | 16:10  | 16:10  | 4:3  |
| <b>Number of pixels</b>                                     | 786,432 (1,024 x 768) pixels   | 2,304,000 (1,920 x 1,200)  | 1,024,000 (1,280 x 800) pixels   | 786,432 (1,024 x 768) pixels   |
| <b>Light source</b>   | 310 W UHM Lamp x 2   | 400 W UHM Lamp   | 400 W UHM Lamp   | 400 W UHM Lamp   |
| <b>Light output</b>   | 8,200 lm   | 6,500 lm   | 7,000 lm   | 7,500 lm   |
| <b>Time until light output declines to 50%*<sup>1</sup></b> | 4,000 hours [Dual, NORMAL]/<br>6,000 hours [Dual, ECO]   | 3,000 hours [NORMAL]/4,000 hours [ECO1]/<br>4,500 hours [ECO2]   | 3,000 hours [NORMAL]/4,000 hours [ECO1]/<br>4,500 hours [ECO2]   | 3,000 hours [NORMAL]/4,000 hours [ECO1]/<br>4,500 hours [ECO2]   |
| <b>Resolution</b>   | XGA (1,024 x 768)  | WUXGA (1,920 x 1,200)  | WXGA (1,280 x 800)   | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>                    | 2,400:1  | 5,000:1  | 5,000:1  | 5,000:1  |
| <b>Screen size (diagonal)</b>                               | 1.27-15.24 m (50-600 in)* <sup>7</sup>   | 1.02-10.16 m (40-400 in)* <sup>10</sup>  | 1.02-10.16 m (40-400 in)* <sup>10</sup>  | 1.02-10.16 m (40-400 in)* <sup>10</sup>  |
| <b>Lens (throw ratio)</b>                                   | F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) [PT-DX820]   | F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) [PT-EZ770Z]  | F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) [PT-EW730Z]  | F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) [PT-EX800Z]  |
| <b>Lens shift*<sup>2</sup></b>                              | Vertical: +50 %/-13 %,<br>Horizontal: +30 %* <sup>8</sup> /-10 % (powerd)  | Vertical: ±60 %,<br>Horizontal: ±10 % (powerd)   | Vertical: ±60 %,<br>Horizontal: ±10 % (powerd)   | Vertical: ±50 %,<br>Horizontal: ±10 % (powerd)   |
| <b>Filter Replacement Cycle</b>                             | - [No filter]  | 15,000 hours   | 15,000 hours   | 15,000 hours   |
| <b>Installation</b>   | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>  | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Serial out [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in/out [M3 x 2]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK/Art-net [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>DisplayPort in [DP-20P x 1]<br>RGB 1 in [D-sub HD 15-pin x 1]<br>RGB 2 in [BNC x 5]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [M3 x 1]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>DisplayPort in [DP-20P x 1]<br>RGB 1 in [D-sub HD 15-pin x 1]<br>RGB 2 in [BNC x 5]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [M3 x 1]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1] | HDMI in [HDMI 19-pin x 1]<br>DVI-D in [DVI-D 24-pin x 1]<br>DisplayPort in [DP-20P x 1]<br>RGB 1 in [D-sub HD 15-pin x 1]<br>RGB 2 in [BNC x 5]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [M3 x 1]<br>Remote 2 in [D-sub 9-pin x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1] |
| <b>Power supply</b>   | 120 V AC, 7.5 A, 50/60 Hz,<br>220-240 V AC, 4.3 A, 50/60 Hz  | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                                    | 790 W (except Taiwan), 785 W (Taiwan)  | 590 W  | 575 W  | 575 W  |
| <b>BTU value</b>  | Max. 2,696 BTU   | Max. 2,013 BTU   | Max. 1,962 BTU   | Max. 1,962 BTU   |
| <b>Built-in speaker</b>                                     | -  | 10.0 W [monaural]  | 10.0 W [monaural]  | 10.0 W [monaural]  |
| <b>Operation noise</b>                                      | 30 dB [Dual, NORMAL]/28 dB [Dual, ECO]   | 37 dB [NORMAL]/31 dB [ECO1]/29 dB [ECO2]   | 37 dB [NORMAL]/31 dB [ECO1]/29 dB [ECO2]   | 37 dB [NORMAL]/31 dB [ECO1]/29 dB [ECO2]   |
| <b>Dimensions (W x H*<sup>3</sup> x D*<sup>4</sup>)</b>     | 498 x 175 x 521* <sup>9</sup> mm<br>(19-19/32 x 6-7/8 x 20-1/2* <sup>9</sup> in)   | 530 x 177 x 445* <sup>11</sup> mm<br>(20-7/8 x 6-31/32 x 17-17/32* <sup>11</sup> in)   | 530 x 177 x 445* <sup>11</sup> mm<br>(20-7/8 x 6-31/32 x 17-17/32* <sup>11</sup> in)   | 530 x 177 x 445* <sup>11</sup> mm<br>(20-7/8 x 6-31/32 x 17-17/32* <sup>11</sup> in)   |
| <b>Weight*<sup>5</sup></b>                                  | Approx. 17.8 kg/39.2 lbs<br>(PT-DX820L: approx. 17 kg/37.5 lbs)  | Approx. 10.6 kg/23.4 lbs<br>(PT-EZ770ZL: approx. 9.8 kg/21.6 lbs)  | Approx. 10.6 kg/23.4 lbs<br>(PT-EW730ZL: approx. 9.8 kg/21.6 lbs)  | Approx. 10.6 kg/23.4 lbs<br>(PT-EX800ZL: approx. 9.8 kg/21.6 lbs)  |
| <b>Replacement lamp</b>                                     | ET-LAD70/ET-LAD70W   | ET-LAE300  | ET-LAE300  | ET-LAE300  |
| <b>Optional accessories</b>                                 | ET-PKD130H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKD130B<br>[Attachment for ceiling mount bracket]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B [Bracket assembly]<br>ET-RFE300 [Replacement filter unit]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B [Bracket assembly]<br>ET-RFE300 [Replacement filter unit]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]  | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B [Bracket assembly]<br>ET-RFE300 [Replacement filter unit]<br>ET-YFB200G [DIGITAL LINK Switcher]<br>ET-YFB100G [Digital Interface Box]  |
| <b>Optional lens</b>  | Yes [see the Optional Lenses page: P47]  | Yes [see the Optional Lenses page: P49]  | Yes [see the Optional Lenses page: P49]  | Yes [see the Optional Lenses page: P49]  |

\*1: The usage environment affects the lamp replacement cycle. \*2: The lens shift cannot be used with a fixed-focus lens.

\*3: Height: with legs at shortest position. \*4: Depth: including the supplied lens.

\*5: Average value. Each product has an individual variable in weight. \*6: Lens-less model.

\*7: 1.27-5.08 m [50-200 in] with the ET-DLE055, 2.54-8.89 m [100-350 in] with the ET-DLE030.

\*8: Horizontal +28% with the ET-DLE085. \*9: Depth: 508 mm [20 in] for the lens-less models.

\*10: 1.52-10.16 m [60-400 in] with the ET-ELW22. \*11: Depth: 385 mm [15-5/32 in] for the lens-less models.

# Installation

PT-EZ590  
PT-EZ590L\*5



PT-EW650  
PT-EW650L\*5



PT-EW550  
PT-EW550L\*5



PT-EX620  
PT-EX620L\*5



PT-EX520  
PT-EX520L\*5



|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b>Projector type</b>                            | LCD Projector  | LCD Projector  | LCD Projector  | LCD Projector  | LCD Projector  |
| <b>Panel size</b>                                | 16.3 mm [0.64 in]  | 16.3 mm [0.64 in]  | 16.3 mm [0.64 in]  | 16.0 mm [0.63 in]  | 16.0 mm [0.63 in]  |
| <b>Aspect ratio</b>                              | 16:10  | 16:10  | 16:10  | 4:3  | 4:3  |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   |
| <b>Light source</b>                              | 320 W UHM Lamp   | 320 W UHM Lamp   | 320 W UHM Lamp   | 320 W UHM Lamp   | 320 W UHM Lamp   |
| <b>Light output</b>                              | 5,400 lm   | 5,800 lm   | 5,000 lm   | 6,200 lm   | 5,300 lm   |
| <b>Time until light output declines to 50%*1</b> | 4,000 hours (NORMAL)/5,000 hours (ECO)   | 4,000 hours (NORMAL)/5,000 hours (ECO)   | 4,000 hours (NORMAL)/5,000 hours (ECO)   | 4,000 hours (NORMAL)/5,000 hours (ECO)   | 4,000 hours (NORMAL)/5,000 hours (ECO)   |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)  | WXGA (1,280 x 800)   | WXGA (1,280 x 800)   | XGA (1,024 x 768)  | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 10,000:1   | 10,000:1   | 2,000:1  | 10,000:1   | 2,000:1  |
| <b>Screen size (diagonal)</b>                    | 1.02-10.16 m [40-400 in]   | 1.02-10.16 m [40-400 in]   | 1.02-10.16 m [40-400 in]   | 1.02-10.16 m [40-400 in]   | 1.02-10.16 m [40-400 in]   |
| <b>Lens (throw ratio)</b>                        | F 1.6-2.2, f 17.1-31.7 mm [1.22-2.26:1] (PT-EZ590)   | F 1.6-2.2, f 17.1-31.7 mm [1.22-2.26:1] (PT-EW650)   | F 1.6-2.2, f 17.1-31.7 mm [1.22-2.26:1] (PT-EW550)   | F 1.6-2.2, f 17.1-31.7 mm [1.32-2.44:1] (PT-EX620)   | F 1.6-2.2, f 17.1-31.7 mm [1.32-2.44:1] (PT-EX520)   |
| <b>Lens shift</b>                                | Vertical: ±60 %, Horizontal: ±30 % (powered)   | Vertical: ±60 %, Horizontal: ±30 % (powered)   | Vertical: ±60 %, Horizontal: ±30 % (powered)   | Vertical: ±50 %, Horizontal: ±30 % (powered)   | Vertical: ±50 %, Horizontal: ±30 % (powered)   |
| <b>Filter Replacement Cycle</b>                  | 15,000 hours   | 15,000 hours   | 15,000 hours   | 15,000 hours   | 15,000 hours   |
| <b>Installation</b>                              | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 1]<br>RGB 1 in [BNC x 5]<br>RGB 2 in [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>Remote 1 in [D-sub 9-pin x 1]<br>Remote 2 in [M3 x 1]<br>LAN [RJ-45 x 1]<br>DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100)] |
| <b>Power supply</b>                              | 100-240 V AC, 5.5-2.3 A, 50/60 Hz  | 100-240 V AC, 5.3-2.1 A, 50/60 Hz  | 100-240 V AC, 5.3-2.1 A, 50/60 Hz  | 100-240 V AC, 5.3-2.1 A, 50/60 Hz  | 100-240 V AC, 5.3-2.1 A, 50/60 Hz  |
| <b>Power consumption</b>                         | 484 W  | 461 W  | 461 W  | 461 W  | 461 W  |
| <b>BTU value</b>                                 | Max. 1,651 BTU   | Max. 1,573 BTU   | Max. 1,573 BTU   | Max. 1,573 BTU   | Max. 1,573 BTU   |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  |
| <b>Operation noise</b>                           | 35 dB (NORMAL)/29 dB (ECO)   | 35 dB (NORMAL)/29 dB (ECO)   | 35 dB (NORMAL)/29 dB (ECO)   | 35 dB (NORMAL)/29 dB (ECO)   | 35 dB (NORMAL)/29 dB (ECO)   |
| <b>Dimensions (W x H*2 x D*3)</b>                | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  |
| <b>Weight*4</b>                                  | Approx. 8.4 kg/18.5 lbs (PT-EZ590L: approx. 7.7 kg/17.0 lbs)   | Approx. 8.4 kg/18.5 lbs (PT-EW650L: approx. 7.7 kg/17.0 lbs)   | Approx. 8.4 kg/18.5 lbs (PT-EW550L: approx. 7.7 kg/17.0 lbs)   | Approx. 8.4 kg/18.5 lbs (PT-EX620L: approx. 7.7 kg/17.0 lbs)   | Approx. 8.4 kg/18.5 lbs (PT-EX520L: approx. 7.7 kg/17.0 lbs)   |
| <b>Replacement lamp</b>                          | ET-LAEF100   | ET-LAEF100   | ET-LAEF100   | ET-LAEF100   | ET-LAEF100   |
| <b>Optional accessories</b>                      | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)   |
| <b>Optional lens</b>                             | Yes (see the Optional Lenses page: P49)  | Yes (see the Optional Lenses page: P49)  | Yes (see the Optional Lenses page: P49)  | Yes (see the Optional Lenses page: P49)  | Yes (see the Optional Lenses page: P49)  |

\*1: The usage environment affects the lamp replacement cycle.

\*2: Height: with legs at shortest position.

\*3: Depth: including the supplied lens. Depth: 358 mm [14-3/32 inches] for the lens-less models.

\*4: Average value. Each product has an individual variable in weight.

\*5: Lens-less model.

\*6: The optional ET-WML100 Wireless Module is required.



# Installation

## PT-FZ570



## PT-FW530



## PT-FX500



|  |  |  |  |
|--|--|--|--|
| <b>Projector type</b>                            | LCD Projector  | LCD Projector  | LCD Projector  |
| <b>Panel size</b>                                | 16.3 mm [0.64 in]  | 16.3 mm [0.64 in]  | 16.0 mm [0.63 in]  |
| <b>Aspect ratio</b>                              | 16:10  | 16:10  | 4:3  |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   |
| <b>Light source</b>                              | 270 W UHM Lamp   | 270 W UHM Lamp   | 270 W UHM Lamp   |
| <b>Light output</b>                              | 4,500 lm   | 4,500 lm   | 5,000 lm   |
| <b>Time until light output declines to 50%*1</b> | 6,000 hours (NORMAL)/8,000 hours (ECO)   | 6,000 hours (NORMAL)/8,000 hours (ECO)   | 6,000 hours (NORMAL)/8,000 hours (ECO)   |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)  | WXGA (1,280 x 800)   | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 10,000:1   | 10,000:1   | 10,000:1   |
| <b>Screen size (diagonal)</b>                    | 1.02-7.62 m (40-300 in)  | 1.02-7.62 m (40-300 in)  | 1.02-7.62 m (40-300 in)  |
| <b>Lens (throw ratio)</b>                        | F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)  | F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)  | F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1)  |
| <b>Lens shift</b>                                | Vertical: ±60 %, Horizontal: ±30 % (powered)   | Vertical: ±60 %, Horizontal: ±30 % (powered)   | Vertical: ±50 %, Horizontal: ±30 % (powered)   |
| <b>Filter Replacement Cycle</b>                  | 16,000 hours   | 16,000 hours   | 16,000 hours   |
| <b>Installation</b>                              | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 900 mA])<br>Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 900 mA])<br>Wireless Module connecting [USB type-A x 1 (for ET-WML100)] | HDMI in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>DC out [USB type-A x 1]<br>(for power supply [DC 5 V, up to 900 mA])<br>Wireless Module connecting [USB type-A x 1 (for ET-WML100)] |
| <b>Power supply</b>                              | 100-240 V AC, 4.7-1.9 A, 50/60 Hz  | 100-240 V AC, 4.5-1.8 A, 50/60 Hz  | 100-240 V AC, 4.5-1.8 A, 50/60 Hz  |
| <b>Power consumption</b>                         | 413 W  | 400 W  | 400 W  |
| <b>BTU value</b>                                 | Max. 1,410 BTU   | Max. 1,365 BTU   | Max. 1,365 BTU   |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  |
| <b>Operation noise</b>                           | 33 dB (NORMAL)/29 dB (ECO)   | 33 dB (NORMAL)/29 dB (ECO)   | 33 dB (NORMAL)/29 dB (ECO)   |
| <b>Dimensions (W x H*2 x D*3)</b>                | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  | 498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)  |
| <b>Weight*4</b>                                  | Approx. 7.9 kg/17.4 lbs  | Approx. 7.9 kg/17.4 lbs  | Approx. 7.9 kg/17.4 lbs  |
| <b>Replacement lamp</b>                          | ET-LAEF100   | ET-LAEF100   | ET-LAEF100   |
| <b>Optional accessories</b>                      | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   | ET-PKD120H (High ceiling mount bracket)<br>ET-PKD120S (Low ceiling mount bracket)<br>ET-PKE300B (Bracket assembly)<br>ET-RFE300 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>ET-WML100 (Wireless Module)   |

\*1: The usage environment affects the lamp replacement cycle.

\*2: Height: with legs at shortest position.

\*3: Depth: including the supplied lens.

\*4: Average value. Each product has an individual variable in weight.

\*5: The optional ET-WML100 Wireless Module is required.

## DIGITAL LINK

Next-Generation High-Quality Digital Transmission over a Single Cable



High Quality

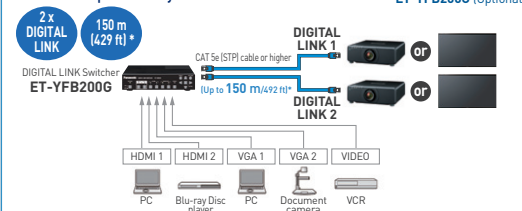
Long Distance

Cost Effective

DIGITAL LINK is a connection system based on HDBase™ technology that supports the transmission of HDMI signals, uncompressed Full-HD videos, audio, and control commands through a single LAN cable for very long distances - up to 150 m (492 ft) in Long Reach Mode.\* It's a simple, high-quality digital transmission technology that works to reduce installation cost and complexity in venues of all sizes.

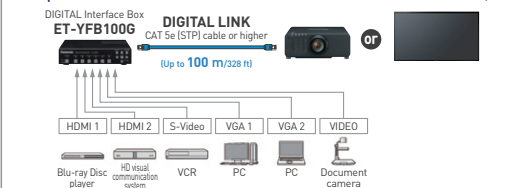
For Auditorium, Museum, Digital signage and more

Flexible Expandability with ET-YFB200G



For Classrooms, Meeting rooms, Retail outlets, etc.

Simple One-to-One Connection with ET-YFB100G



\*For more information about Long Reach mode compatible model, please visit the website  
>> [panasonic.net/cns/prodisplays/solutions/technology/digital\\_link/#projector](http://panasonic.net/cns/prodisplays/solutions/technology/digital_link/#projector)

## The DIGITAL LINK World

DIGITAL LINK supports the control protocol of the industry's leading manufacturers, including Crestron, Extron, AMX, and many more. This makes it easy to configure a wide variety of systems, and allows easy integration into an existing control system.



For more information about DIGITAL LINK, please visit the website  
>> [panasonic.net/cns/prodisplays/solutions/technology/digital\\_link/](http://panasonic.net/cns/prodisplays/solutions/technology/digital_link/)

Note: For DIGITAL LINK-ready models, please refer to the "Interface" section.

# Portable

## PT-VMZ60

NEW



6,000 lm WUXGA

\* Available in black/white cabinet.



## PT-VMZ50

NEW



5,000 lm WUXGA



## PT-VMZ40

NEW



4,500 lm WUXGA



## PT-VMW60

NEW



6,000 lm WXGA



## PT-VMW50

NEW



5,000 lm WXGA



|  |   |   |   |   |   |
|--|---|---|---|---|---|
| <b>Projector type</b>                          | LCD Projector   | LCD Projector   | LCD Projector   | LCD Projector   | LCD Projector   |
| <b>Panel size</b>                              | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   |
| <b>Aspect ratio</b>                            | 16:10   | 16:10   | 16:10   | 16:10   | 16:10   |
| <b>Number of pixels</b>                        | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   |
| <b>Light source</b>                            | Laser diode   | Laser diode   | Laser diode   | Laser diode   | Laser diode   |
| <b>Light output</b>                            | 6,000 lm  | 5,000 lm  | 4,500 lm  | 6,000 lm  | 5,000 lm  |
| <b>Time until light output declines to 50%</b> | 20,000 hours (NORMAL)*5   | 20,000 hours (NORMAL)*5   | 20,000 hours (NORMAL)*5   | 20,000 hours (NORMAL)*5   | 20,000 hours (NORMAL)*5   |
| <b>Resolution</b>                              | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)  | WXGA (1,280 x 800)  |
| <b>Contrast ratio (full on/full off)</b>       | 3,000,000:1   | 3,000,000:1   | 3,000,000:1   | 3,000,000:1   | 3,000,000:1   |
| <b>Screen size (diagonal)</b>                  | 0.76-7.62 m [30-300 in]   | 0.76-7.62 m [30-300 in]   | 0.76-7.62 m [30-300 in]   | 0.76-7.62 m [30-300 in]   | 0.76-7.62 m [30-300 in]   |
| <b>Lens (throw ratio)</b>                      | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   |
| <b>Lens shift</b>                              | Vertical: +44 %, Horizontal: ±20 % [manual]   | Vertical: +44 %, Horizontal: ±20 % [manual]   | Vertical: +44 %, Horizontal: ±20 % [manual]   | Vertical: +44 %, Horizontal: ±20 % [manual]   | Vertical: +44 %, Horizontal: ±20 % [manual]   |
| <b>Filter Replacement Cycle</b>                | 20,000 hours*6  | 20,000 hours*6  | 20,000 hours*6  | 20,000 hours*6  | 20,000 hours*6  |
| <b>Installation</b>                            | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  | 360-degree free installation  |
| <b>Terminals</b>                               | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ power supply [DC 5 V, up to 2 A]/ optional Wireless Module)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ power supply [DC 5 V, up to 2 A]/ optional Wireless Module)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ power supply [DC 5 V, up to 2 A]/ optional Wireless Module)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ power supply [DC 5 V, up to 2 A]/ optional Wireless Module)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ power supply [DC 5 V, up to 2 A]/ optional Wireless Module)] |
| <b>Power supply</b>                            | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz  |
| <b>Power consumption</b>                       | 420 W   | 370 W   | 365 W   | 410 W   | 360 W   |
| <b>Built-in speaker</b>                        | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   |
| <b>Operation noise</b>                         | 37 dB (NORMAL)/27 dB (QUIET)  | 37 dB (NORMAL)/27 dB (QUIET)  | 37 dB (NORMAL)/27 dB (QUIET)  | 37 dB (NORMAL)/27 dB (QUIET)  | 37 dB (NORMAL)/27 dB (QUIET)  |
| <b>Dimensions (W x H*1 x D)</b>                | 399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)   | 399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)   | 399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)   | 399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)   | 399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)   |
| <b>Weight*2</b>                                | Approx. 7.2 kg/15.9 lbs   | Approx. 7.2 kg/15.9 lbs   | Approx. 7.2 kg/15.9 lbs   | Approx. 7.2 kg/15.9 lbs   | Approx. 7.2 kg/15.9 lbs   |
| <b>Replacement lamp</b>                        | - [No lamp]   | - [No lamp]   | - [No lamp]   | - [No lamp]   | - [No lamp]   |
| <b>Optional accessories</b>                    | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV500 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>AJ-WM50 (Wireless Module)  | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV500 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>AJ-WM50 (Wireless Module)  | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV500 (Replacement filter unit)<br>AJ-WM50 (Wireless Module)  | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV500 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>AJ-WM50 (Wireless Module)  | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV500 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)<br>AJ-WM50 (Wireless Module)  |

\*1: Height: with legs at shortest position. \*2: Average value. Each product has an individual variable in weight.

\*3: Supports signals up to 4K/30p. Images are converted to 1920 x 1200 for PT-VMZ60/VMZ50/VMZ40 and 1280 x 800 for PT-VMW60/VMW50. Applicable terminals: DIGITAL LINK terminal/HDMI terminal. \*4: The optional Wireless Module is required.

\*5: After approximately 20,000 hours, cleaning needs to be performed [by the vendor which you purchased from]. The light source's lifetime may be shortened due to environmental conditions and operating mode. \*6: Filter cleaning cycle: 20,000 hours (under the dust conditions of 0.08 mg/m<sup>3</sup>), 10,000 hours (under the dust conditions of 0.15 mg/m<sup>3</sup>)

Large-Venue

Installation

Portable

Short Throw

Space Player

## Portable

### PT-VZ585N



5,000 lm WUXGA



### PT-VZ580



5,000 lm WUXGA

### PT-VW545N



5,500 lm WXGA



### PT-VW540



5,500 lm WXGA

### PT-VX615N



5,500 lm XGA



|  |   |   |   |   |   |
|--|---|---|---|---|---|
| <b>Projector type</b>                            | LCD Projector   | LCD Projector   | LCD Projector   | LCD Projector   | LCD Projector   |
| <b>Panel size</b>                                | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.3 mm [0.64 in]   | 16.0 mm [0.63 in]   |
| <b>Aspect ratio</b>                              | 16:10   | 16:10   | 16:10   | 16:10   | 4:3   |
| <b>Number of pixels</b>                          | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels  | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels  |
| <b>Light source</b>                              | 280 W UHM Lamp  | 280 W UHM Lamp  | 280 W UHM Lamp  | 280 W UHM Lamp  | 280 W UHM Lamp  |
| <b>Light output</b>                              | 5,000 lm  | 5,000 lm  | 5,500 lm  | 5,500 lm  | 5,500 lm  |
| <b>Time until light output declines to 50%*1</b> | 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)  | 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)  | 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)  | 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)  | 5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)  |
| <b>Resolution</b>                                | WUXGA (1,920 x 1,200)   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)  | WXGA (1,280 x 800)  | XGA (1,024 x 768)   |
| <b>Contrast ratio (full on/full off)</b>         | 16,000:1  | 16,000:1  | 16,000:1  | 16,000:1  | 16,000:1  |
| <b>Screen size (diagonal)</b>                    | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)   |
| <b>Lens (throw ratio)</b>                        | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)   | F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)   |
| <b>Lens shift</b>                                | Vertical: +44 % [manual]  | Vertical: +44 % [manual]  | Vertical: +44 % [manual]  | Vertical: +44 % [manual]  | Vertical: +40 % [manual]  |
| <b>Filter Replacement Cycle</b>                  | 7,000 hours   | 7,000 hours   | 7,000 hours   | 7,000 hours   | 7,000 hours   |
| <b>Installation</b>                              | Ceiling/floor, front/rear   | Ceiling/floor, front/rear   | Ceiling/floor, front/rear   | Ceiling/floor, front/rear   | Ceiling/floor, front/rear   |
| <b>Terminals</b>                                 | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for Memory Viewer/Pairing)]<br>USB [USB type-B x 1 (for USB display)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for power supply [DC 5 V, up to 2 A])] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for Memory Viewer/Pairing)]<br>USB [USB type-B x 1 (for USB display)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for power supply [DC 5 V, up to 2 A])] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN/DIGITAL LINK [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for Memory Viewer/Pairing)]<br>USB [USB type-B x 1 (for USB display)] |
| <b>Power supply</b>                              | 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz [other countries]  | 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz [other countries]  | 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz [other countries]  | 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz [other countries]  | 120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz [other countries]  |
| <b>Power consumption</b>                         | 400 W (North America), 410 W [other countries]  | 400 W (North America), 410 W [other countries]  | 385 W (North America), 400 W [other countries]  | 385 W (North America), 400 W [other countries]  | 385 W (North America), 400 W [other countries]  |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)   |
| <b>Operation noise</b>                           | 37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)  | 37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)  | 37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)  | 37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)  | 37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)  |
| <b>Dimensions (W x H*2 x D)</b>                  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  |
| <b>Weight*3</b>                                  | Approx. 4.9 kg/10.8 lbs   | Approx. 4.8 kg/10.6 lbs   | Approx. 4.9 kg/10.8 lbs   | Approx. 4.8 kg/10.6 lbs   | Approx. 4.9 kg/10.8 lbs   |
| <b>Replacement lamp</b>                          | ET-LAV400   | ET-LAEF100  | ET-LAV400   | ET-LAV400   | ET-LAV400   |
| <b>Optional accessories</b>                      | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)<br>ET-YFB200G (DIGITAL LINK Switcher)<br>ET-YFB100G (Digital Interface Box)   |

\*1: The usage environment affects the lamp replacement cycle.

\*2: Height: with legs at shortest position.

\*3: Average value. Each product has an individual variable in weight.

## Portable

### PT-VX610



5,500 lm

XGA

### PT-VZ470\*4



4,400 lm

WUXGA

### PT-VW360



4,000 lm

WXGA



### PT-VX430



4,500 lm

XGA



|  |   |   |  |  |
|--|---|---|--|--|
| <b>Projector type</b>                            | LCD Projector   | LCD Projector   | LCD Projector  | LCD Projector  |
| <b>Panel size</b>                                | 16.0 mm [0.63 in]   | 16.3 mm [0.64 in]   | 15.0 mm [0.59 in]  | 16.0 mm [0.63 in]  |
| <b>Aspect ratio</b>                              | 4:3   | 16:10   | 16:10  | 4:3  |
| <b>Number of pixels</b>                          | 786,432 (1,024 x 768) pixels<br>total of 2,359,296 pixels   | 2,304,000 (1,920 x 1,200) x 3,<br>total of 6,912,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3,<br>total of 3,072,000 pixels   | 786,432 (1,024 x 768) pixels<br>total of 2,359,296 pixels  |
| <b>Light source</b>                              | 280 W UHM Lamp  | 270 W UHM Lamp  | 240 W UHM Lamp   | 240 W UHM Lamp   |
| <b>Light output</b>                              | 5,500 lm  | 4,400 lm  | 4,000 lm   | 4,500 lm   |
| <b>Time until light output declines to 50%*1</b> | 5,000 hours [NORMAL]/6,000 hours [ECO1]/<br>7,000 hours [ECO2]  | 5,000 hours [NORMAL]/<br>7,000 hours [ECO]  | 5,000 hours [NORMAL]/<br>7,000 hours [ECO]   | 5,000 hours [NORMAL]/<br>7,000 hours [ECO]   |
| <b>Resolution</b>                                | XGA (1,024 x 768)   | WUXGA (1,920 x 1,200)   | WXGA (1,280 x 800)   | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 16,000:1  | 10,000:1  | 20,000:1   | 20,000:1   |
| <b>Screen size (diagonal)</b>                    | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)   | 0.76-7.62 m (30-300 in)  | 0.76-7.62 m (30-300 in)  |
| <b>Lens (throw ratio)</b>                        | F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)   | F 1.60-2.12, f 15.30-24.64 mm (1.1-1.8:1)   | F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)  | F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)  |
| <b>Lens shift</b>                                | Vertical: +40 % [manual]  | Vertical: +44 % [manual]  | 49:1 [fixed]   | 9:1 [fixed]  |
| <b>Filter Replacement Cycle</b>                  | 7,000 hours   | 7,000 hours   | 7,000 hours  | 7,000 hours  |
| <b>Installation</b>                              | Ceiling/floor, front/rear   | Ceiling/floor, front/rear   | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for power supply [DC 5 V, up to 2 A])] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for Memory Viewer/Wireless Module)]<br>USB [USB type-B x 1 (for USB display)] | HDMI 1/2 in [HDMI 19-pin x 2]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in/1 out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1/2 [M3 x 2]<br>Audio in 3 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for Memory Viewer/Wireless Module)]<br>USB [USB type-B x 1 (for USB display)] |
| <b>Power supply</b>                              | 120 V AC, 50/60 Hz (North America),<br>110 V AC, 60 Hz (Taiwan),<br>100-240 V AC, 50/60 Hz [other countries]  | 120 V AC, 50/60 Hz (North America),<br>110 V AC, 60 Hz (Taiwan),<br>100-240 V AC, 50/60 Hz [other countries]  | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                         | 385 W (North America),<br>400 W [other countries]   | 372 W (North America),<br>378 W [other countries]   | 320 W  | 320 W  |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)   | 10.0 W (monaural)   | 10.0 W (monaural)  | 10.0 W (monaural)  |
| <b>Operation noise</b>                           | 37 dB [NORMAL]/35 dB [ECO1]/29 dB [ECO2]  | 37 dB [NORMAL]/29 dB [ECO]  | 37 dB [NORMAL]/29 dB [ECO]   | 37 dB [NORMAL]/29 dB [ECO]   |
| <b>Dimensions (W x H*2 x D)</b>                  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 389 x 125 x 332 mm<br>(15-5/16 x 4-29/32 x 13-1/16 in)  | 352 x 98 x 279 mm<br>(13-27/32 x 3-27/32 x 10-31/32 in)  | 352 x 98 x 279 mm<br>(13-27/32 x 3-27/32 x 10-31/32 in)  |
| <b>Weight*3</b>                                  | Approx. 4.8 kg/10.6 lbs   | Approx. 4.8 kg/10.6 lbs   | Approx. 3.3 kg/7.3 lbs   | Approx. 3.3 kg/7.3 lbs   |
| <b>Replacement lamp</b>                          | ET-LAV400   | ET-LAV400   | ET-LAV300  | ET-LAV300  |
| <b>Optional accessories</b>                      | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV410 (Replacement filter unit)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV400 (Replacement filter unit)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV400B (Bracket assembly)<br>ET-RFV300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   |

\*1: The usage environment affects the lamp replacement cycle.

\*2: Height: with legs at shortest position.

\*3: Average value. Each product has an individual variable in weight.

\*4: The availability varies depending on the country.

\*5: To operate wireless projection, the optional Wireless Module ET-WML100 is required.



# Portable

## PT-LW375



3,600 lm WXGA



## PT-LW335



3,100 lm WXGA



## PT-LB425



4,100 lm XGA



## PT-LB385



3,800 lm XGA



## PT-LB355



3,300 lm XGA



|  |  |  |  |  |  |
|--|--|--|--|--|--|
| <b>Projector type</b>                            | LCD Projector  | LCD Projector  | LCD Projector  | LCD Projector  | LCD Projector  |
| <b>Panel size</b>                                | 15.0 mm [0.59 in]  | 15.0 mm [0.59 in]  | 16.0 mm [0.63 in]  | 16.0 mm [0.63 in]  | 16.0 mm [0.63 in]  |
| <b>Aspect ratio</b>                              | 16:10  | 16:10  | 4:3  | 4:3  | 4:3  |
| <b>Number of pixels</b>                          | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   | 786,432 (1,024 x 768) pixels total of 2,359,296 pixels   |
| <b>Light source</b>                              | 230 W UHM Lamp   | 230 W UHM Lamp   | 230 W UHM Lamp   | 230 W UHM Lamp   | 230 W UHM Lamp   |
| <b>Light output</b>                              | 3,600 lm   | 3,100 lm   | 4,100 lm   | 3,800 lm   | 3,300 lm   |
| <b>Time until light output declines to 50%*1</b> | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  |
| <b>Resolution</b>                                | WXGA (1,280 x 800)   | WXGA (1,280 x 800)   | XGA (1,024 x 768)  | XGA (1,024 x 768)  | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 16,000:1   | 16,000:1   | 16,000:1   | 16,000:1   | 16,000:1   |
| <b>Screen size (diagonal)</b>                    | 0.76-7.62 m (30-300 in)  | 0.76-7.62 m (30-300 in)  | 0.76-7.62 m (30-300 in)  | 0.76-7.62 m (30-300 in)  | 0.76-7.62 m (30-300 in)  |
| <b>Lens (throw ratio)</b>                        | F 1.60-1.76, f 19.16-23.02 mm [1.48-1.78:1]  | F 2.1-2.25, f 19.11-22.94 mm [1.47-1.77:1]   | F 1.60-1.76, f 19.16-23.02 mm [1.48-1.78:1]  | F 1.60-1.76, f 19.16-23.02 mm [1.48-1.78:1]  | F 1.60-1.76, f 19.16-23.02 mm [1.48-1.78:1]  |
| <b>Lens shift</b>                                | 13:1 (fixed)   | 13:1 (fixed)   | 6:1 (fixed)  | 6:1 (fixed)  | 6:1 (fixed)  |
| <b>Filter Replacement Cycle</b>                  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  |
| <b>Installation</b>                              | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] |
| <b>Power supply</b>                              | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                         | 300 W  | 300 W  | 300 W  | 300 W  | 300 W  |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  |
| <b>Operation noise</b>                           | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   |
| <b>Dimensions (W x H*2 x D)</b>                  | 335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)   | 335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)   | 335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)   | 335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)   | 335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)   |
| <b>Weight*3</b>                                  | Approx. 2.9 kg/6.4 lbs   | Approx. 2.9 kg/6.4 lbs   | Approx. 2.9 kg/6.4 lbs   | Approx. 2.9 kg/6.4 lbs   | Approx. 2.9 kg/6.4 lbs   |
| <b>Replacement lamp</b>                          | ET-LAL510  | ET-LAL510  | ET-LAL510  | ET-LAL510  | ET-LAL510  |
| <b>Optional accessories</b>                      | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   |

\*1: The usage environment affects the lamp replacement cycle.  
\*2: Height: with legs at shortest position.  
\*3: Average value. Each product has an individual variable in weight.

\*4: To operate wireless projection, the optional Wireless Module ET-WML100 is required.

## Portable

PT-LB305



3,100 lm

XGA

|  |  |
|--|--|
| <b>Projector type</b>                            | LCD Projector  |
| <b>Panel size</b>                                | 16.0 mm (0.63 in)  |
| <b>Aspect ratio</b>                              | 4:3  |
| <b>Number of pixels</b>                          | 786,432 (1,024 x 768) pixels<br>total of 2,359,296 pixels  |
| <b>Light source</b>                              | 230 W UHM Lamp   |
| <b>Light output</b>                              | 3,100 lm   |
| <b>Time until light output declines to 50%*1</b> | 10,000 hours (NORMAL)/20,000 hours (ECO)/<br>10,000 hours (QUIET)  |
| <b>Resolution</b>                                | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 16,000:1   |
| <b>Screen size (diagonal)</b>                    | 0.76-7.62 m (30-300 in)  |
| <b>Lens (throw ratio)</b>                        | F 2.1-2.25, f 19.11-22.94 mm (1.47-1.77:1)   |
| <b>Lens shift</b>                                | 6:1 (fixed)  |
| <b>Filter Replacement Cycle</b>                  | 5,000 hours (NORMAL)/6,000 hours (ECO)/<br>10,000 hours (QUIET)  |
| <b>Installation</b>                              | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 1]<br>Computer in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>USB [USB type-B x 1 (for service display)] |
| <b>Power supply</b>                              | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                         | 300 W  |
| <b>Built-in speaker</b>                          | 2.0 W (monaural)   |
| <b>Operation noise</b>                           | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   |
| <b>Dimensions (W x H*2 x D)</b>                  | 335 x 96 x 252 mm<br>(13-3/16 x 3-25/32 x 9-29/32 in)  |
| <b>Weight*3</b>                                  | Approx. 2.8 kg/6.2 lbs   |
| <b>Replacement lamp</b>                          | ET-LAL510  |
| <b>Optional accessories</b>                      | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV420B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)  |

\*1: The usage environment affects the lamp replacement cycle.  
\*2: Height: with legs at shortest position.  
\*3: Average value. Each product has an individual variable in weight.

## Why Choose a Panasonic Wireless Projector?

## FEATURES

Panasonic's wireless projectors are designed for easy operation, and their multi-device and multi-connection capabilities give them advanced functions that greatly expand their usage.

### Convenient Wireless Features\*4

#### Mirroring — Full-screen Wireless Playback For Win For Android

Mirroring supports stutter-free audio and Full-HD video transmission from device to projector screen at 1:1.

### Panasonic's Original Software\*4

#### Plug and Share For Win For Mac

Simply insert a USB memory device with copies of projector installation files and an application into the PC. Then click the player icon, and transmit video and stills wirelessly to the projector—no software or network setup required.



#### Wireless Manager ME Software For Win For Mac

This application provided with the projector allows easy transfer of data from the screen of a personal computer through a PC's wired or wireless LAN function.

#### Wireless Projector for iOS / Android For iOS For Android

These Apps allow wireless projection from tablet devices or smartphones. They can both be downloaded for free, the iOS version from the AppStore, and the Android version from Google Play.

### Moderator Mode and Cut-In Function Supported by Mirroring/Plug and Share/Wireless Manager.

Three modes allow the meeting chair to choose which participants' devices may display content or present content uninterrupted via mirroring. Interactive mode enables open chairing.

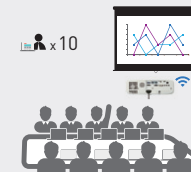
#### Exclusive

One device connected to prevent interruptions to solo presentations.



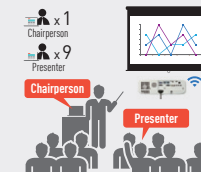
#### Interactive

Up to 10 users can project at any time for open collaboration.



#### Moderated

The chairperson controls media display permission for up to 10 participants.



### Wireless Projection by Optional Module (ET-WML100)\*5

The optional ET-WML100 wireless USB module allows wireless projection from Windows® PCs, iOS devices, or Android™ devices loaded with an appropriate app.



Featured image:  
ET-WML100E

#### Presenter Light Software For Win

This application, supporting Windows computers, allows you to transfer images and audio to the projector via the wired LAN/wireless LAN.

\*4: For compatible models, see the "Function" and "Software" columns of the Feature Compatibility Chart on page 41 to 44.  
\*5: For compatible models, see the "Wireless Module" column of the Optional Accessories Chart on page 55 to 58.

## Short Throw

### PT-TW371R



3,300 lm WXGA



### PT-TW370



3,300 lm WXGA



### PT-TX430



3,800 lm XGA



### PT-TX340



3,200 lm XGA



|  |   |  |  |  |
|--|---|--|--|--|
| <b>Projector type</b>                            | LCD Projector   | LCD Projector  | LCD Projector  | LCD Projector  |
| <b>Panel size</b>                                | 15.0 mm (0.59 in)   | 15.0 mm (0.59 in)  | 16.0 mm (0.63 in)  | 16.0 mm (0.63 in)  |
| <b>Aspect ratio</b>                              | 16:10   | 16:10  | 4:3  | 4:3  |
| <b>Number of pixels</b>                          | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels   | 1,024,000 (1,280 x 800) pixels x 3, total of 3,072,000 pixels  | 786,432 (1,024 x 768) pixels x 3, total of 2,359,296 pixels  | 786,432 (1,024 x 768) pixels x 3, total of 2,359,296 pixels  |
| <b>Light source</b>                              | 230 W UHM Lamp  | 230 W UHM Lamp   | 230 W UHM Lamp   | 230 W UHM Lamp   |
| <b>Light output</b>                              | 3,300 lm  | 3,300 lm   | 3,800 lm   | 3,200 lm   |
| <b>Time until light output declines to 50%*1</b> | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)   | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  | 10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)  |
| <b>Resolution</b>                                | WXGA (1,280 x 800)  | WXGA (1,280 x 800)   | XGA (1,024 x 768)  | XGA (1,024 x 768)  |
| <b>Contrast ratio (full on/full off)</b>         | 16,000:1  | 16,000:1   | 16,000:1   | 16,000:1   |
| <b>Screen size (diagonal)</b>                    | 1.27-2.54 m (50-100 in)   | 1.27-2.54 m (50-100 in)  | 1.27-2.54 m (50-100 in)  | 1.27-2.54 m (50-100 in)  |
| <b>Lens (throw ratio)</b>                        | F 1.8, f 6.08 mm (0.46:1)   | F 1.8, f 6.08 mm (0.46:1)  | F 1.8, f 6.08 mm (0.46:1)  | F 1.8, f 6.08 mm (0.46:1)  |
| <b>Lens shift</b>                                | 7.25:1 (fixed)  | 7.25:1 (fixed)   | 21:1 (fixed)   | 7.25:1 (fixed)   |
| <b>Filter Replacement Cycle</b>                  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)   | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  | 5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)  |
| <b>Installation</b>                              | Ceiling/floor, front/rear   | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  | Ceiling/floor, front/rear  |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)]<br>Mini USB [Mini USB x 1, (for interactive function)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] | HDMI in [HDMI 19-pin x 1]<br>Computer 1 in [D-sub HD 15-pin x 1]<br>Computer 2 in [D-sub HD 15-pin x 1]<br>Monitor out [D-sub HD 15-pin x 1]<br>Video in [Pin jack x 1]<br>Audio in 1 [M3 x 1]<br>Audio in 2 [Pin jack x 2 (L, R)]<br>Audio out [M3 x 1]<br>Serial in [D-sub 9-pin x 1 (RS-232C)]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1 (for Memory Viewer/ Wireless Module (DC 5 V, up to 500 mA))]<br>USB [USB type-B x 1 (for USB display)] |
| <b>Power supply</b>                              | 100-240 V AC, 50/60 Hz  | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   | 100-240 V AC, 50/60 Hz   |
| <b>Power consumption</b>                         | 300 W   | 300 W  | 300 W  | 300 W  |
| <b>Built-in speaker</b>                          | 10.0 W (monaural)   | 10.0 W (monaural)  | 10.0 W (monaural)  | 10.0 W (monaural)  |
| <b>Operation noise</b>                           | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)  | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   | 39 dB (NORMAL)/35 dB (ECO)/30 dB (Quiet)   |
| <b>Dimensions (W x H*2 x D)</b>                  | 335 x 134.1 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)  | 335 x 134.1 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)   | 335 x 134.1 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)   | 335 x 134.1 x 329 mm (13-3/16 x 5-1/4 x 12-15/16 in)   |
| <b>Weight*3</b>                                  | Approx. 3.9 kg/8.6 lbs  | Approx. 3.9 kg/8.6 lbs   | Approx. 3.9 kg/8.6 lbs   | Approx. 3.9 kg/8.6 lbs   |
| <b>Replacement lamp</b>                          | ET-LAL510   | ET-LAL510  | ET-LAL510  | ET-LAL510  |
| <b>Optional accessories</b>                      | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV430B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)<br>ET-PEN100 (Interactive Light pen)<br>ET-PNT100 (Interactive Pointer)  | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV430B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV430B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   | ET-PKL100H (High ceiling mount bracket)<br>ET-PKL100S (Low ceiling mount bracket)<br>ET-PKV430B (Bracket assembly)<br>ET-RFL300 (Replacement filter unit)<br>ET-WML100 (Wireless Module)<br>ET-ADSV (D-Sub/S-VIDEO conversion cable)   |

\*1: The usage environment affects the lamp replacement cycle.  
\*2: Height: with legs at shortest position.  
\*3: Average value. Each product has an individual variable in weight.

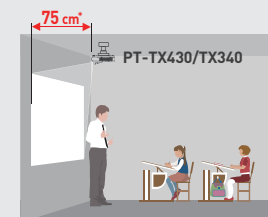
\*4: To operate wireless projection, the optional Wireless Module ET-WML100 is required.

## FEATURES

### Short-Throw Projection

Close range projection reduces not only the shadows of the presenter but also the glare of the projection light, making lectures and meetings more comfortable.

### •Projection distance for 80-inch screen



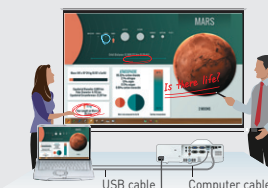
\* Projection distance by model: PT-TX430/TX340: 75 cm (2.46 ft.), PT-TW371R/TW370: 80 cm (2.62 ft.)

### Interactive function

Supported projector: PT-TW371R

You can write or draw figures on the projected image with the Interactive Pen/Pointer\*1. In addition, two users can write simultaneously, to make classes and presentations more effective.

\*1: Interactive Pointer is optional.



### Convenient Interactive Features by LightPen3 Software

- Auto driver installation.
- Auto calibration
- Functionality improved
- Dual pen support\*2

\*2: Available for Windows® operating systems.

For more information, please visit the website.  
>>> [panasonic.net/cns/projector/products/tw371r/](http://panasonic.net/cns/projector/products/tw371r/)

# Space Player

Track Mount Type

PT-JX200G  
PT-JX200H



2,000 lm XGA  
\* Available in white/black cabinet.



PT-JW130G  
PT-JW130H



1,000 lm WXGA  
\* Available in white/black cabinet.



|  |  |   |
|--|--|---|
| <b>Projector type</b>                            | 1-Chip DLP™ Projector  | 1-Chip DLP™ Projector   |
| <b>Panel size</b>                                | 14.0 mm [0.55 in]  | 11.4 mm [0.45 in]   |
| <b>Aspect ratio</b>                              | 4:3  | 16:10   |
| <b>Number of pixels</b>                          | 786,432 pixels (equivalent to XGA)   | 1,039,680 pixels (WXGA comparable)  |
| <b>Light source</b>                              | Laser diode  | Laser diode   |
| <b>Light output</b>                              | 2,000 lm   | 1,000 lm  |
| <b>Time until light output declines to 50%*1</b> | 20,000 hours   | 20,000 hours  |
| <b>Resolution</b>                                | XGA (1,024 x 768)  | WXGA (1,280 x 800)  |
| <b>Contrast ratio (full on/full off)</b>         | 1,000:1  | 1,000:1   |
| <b>Screen size (diagonal)</b>                    | 0.76-5.08 m [30-200 in]  | 0.76-5.08 m [30-200 in]   |
| <b>Lens (throw ratio)</b>                        | F 2.0-2.7, f 15.2-32.7 mm [1.3-2.9:1]  | F 2.0-2.7, f 15.2-32.7 mm [1.5-3.3:1]   |
| <b>Filter Replacement Cycle</b>                  | - (No filter)  | - (No filter)   |
| <b>Installation</b>                              | Ceiling/floor, front/rear, Portrait  | Ceiling/floor, front/rear, Portrait   |
| <b>Terminals</b>                                 | HDMI in [HDMI 19-pin x 1]<br>Audio out [M3 x 1]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for power supply [DC 5 V, up to 2 A])] ] | HDMI in [HDMI 19-pin x 1]<br>Audio out [M3 x 1]<br>LAN [RJ-45 x 1]<br>USB [USB type-A x 1<br>(for power supply [DC 5 V, up to 900 mA])] ] |
| <b>Card slot</b>                                 | SD card slot x 1<br>(supports SDHC memory card)  | SD card slot x 1<br>(supports SDHC memory card)   |
| <b>Power supply</b>                              | PT-JX200G: 100-240 V AC, 2.7-1.1 A, 50/60 Hz<br>PT-JX200H: 120 V AC, 2.3 A, 50/60 Hz   | PT-JW130G: 100-240 V AC, 1.4-0.6 A, 50/60 Hz<br>PT-JW130H: 120 V AC, 1.2 A, 50/60 Hz  |
| <b>Power consumption</b>                         | 240 W  | 125 W   |
| <b>Operation noise</b>                           | 33 dB [NORMAL]/30 dB [ECO]   | 36 dB [NORMAL]/30 dB [ECO]  |
| <b>Weight*2</b>                                  | Approx. 4.5 kg/9.9 lbs   | Approx. 3.2 kg/7.1 lbs  |
| <b>Optional accessories</b>                      | ET-JPC200 (Mount bracket for direct mount type PT-JX200F)<br>ET-JPF200 (Floor stand kit for direct mount type PT-JX200F)               | ET-JPC100 (Ceiling kit for direct mount type PT-JW130F)<br>ET-JPF100 (Floor stand kit for direct mount type PT-JW130F)                    |

\*1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. \*2: Average value. Each product has an individual variable in weight.

## Brilliant hybrid spotlight & projector creates a new world of possibilities for Retail and Exhibition

The Space Player is a new type of lighting device that combines the functions of traditional lighting and a video projector to offer non-conventional ambient lighting, as well as image projection.

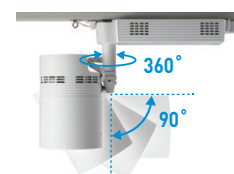
### Spotlight type design

Ideal for spaces that emphasize design. (2 main unit color choices: white and black)



### Position-adjustable structure

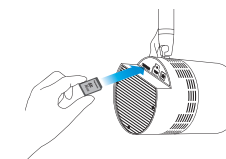
Projection can cover all downward directions from the horizontal level.



### Compatible with most replay systems

Image input: SD card, HDMI, wireless LAN

\*Will not replay movies via wifi



\*Featured image: PT-JW130

### Application Example

#### Restaurant

Surprise your guests with visual highlights, turning a visit into an unforgettable event. Ambience-enhancing highlights can transform an evening meal into an exclusive dinner, leaving your guests not just satisfied, but delighted.



#### Museum

You can use the Space Player to project short biographies of artists and descriptions of their work –and show the exhibit in its best-possible form. Display art in a completely new light.



For more information about Space Player, please visit the website. >>> [panasonic.net/cns/projector/products/spaceplayer/](http://panasonic.net/cns/projector/products/spaceplayer/)

The Space Player is available in a Track Mount Type for installation on a duct rail, and a Direct Mount Type for installation on the ceiling or floor.

### Direct Mount Type

Ceiling/Wall Installation Type

PT-JX200F +  
ET-JPC200

(Mount bracket)

Floor Type

PT-JX200F +  
ET-JPF200

(Floor stand kit)

Ceiling/Wall Installation Type

PT-JW130F +  
ET-JPC100

(Ceiling kit)

Floor Type

PT-JW130F +  
ET-JPF100

(Floor stand kit)





## Features (Large-Venue, Installation)

| Features                                | PT-RQ32K | PT-RZ31K | PT-RS30K | PT-RQ22K | PT-RZ21K | PT-RS20K | PT-RQ13K | PT-RZ12K | PT-RS11K | PT-DZ21K2 | PT-DS20K2 |  | PT-DW17K2 | PT-DZ16K2 | PT-RZ120        | PT-RZ970 | PT-RW930 | PT-RX110 | PT-RZ870 | PT-RZ770 | PT-RW730 | PT-RZ660 | PT-RW620 | PT-RZ570 | PT-RZ575 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|--|-----------|-----------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Specification                           |          |          |          |          |          |          |          |          |          |           |           |  |           |           |                 |          |          |          |          |          |          |          |          |          |          |
| DIGITAL LINK                            | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| 24/7 operation                          | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| 4K signal input                         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | ✓ <sup>*1</sup> | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Picture Quality                         |          |          |          |          |          |          |          |          |          |           |           |  |           |           |                 |          |          |          |          |          |          |          |          |          |          |
| Detail Clarity Processor 5+             | ✓        | -        | -        | ✓        | -        | -        | ✓        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Detail Clarity Processor 5              | -        | ✓        | ✓        | -        | ✓        | ✓        | -        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Detail Clarity Processor 4              | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Detail Clarity Processor 3              | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| System Daylight View 3                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        |
| System Daylight View 2                  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Daylight View Basic                     | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        |
| Daylight View Lite                      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 3D Ready                                | -        | ✓        | ✓        | -        | ✓        | ✓        | -        | ✓        | ✓        | ✓         | ✓         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Installation                            |          |          |          |          |          |          |          |          |          |           |           |  |           |           |                 |          |          |          |          |          |          |          |          |          |          |
| Multi Screen Suport System              | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Geometric Adjustment                    | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        |
| Multi-Unit Brightness and Color Control | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| 360-degree free installation            | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -         | -         |  | -         | -         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Contrast Sync and Shutter Sync          | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        |
| Corner Keystone                         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Curved Screen Correction                | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Function                                |          |          |          |          |          |          |          |          |          |           |           |  |           |           |                 |          |          |          |          |          |          |          |          |          |          |
| Wireless Function                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Mirroring Function                      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| USB Memory Viewer                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| USB Memory Viewer Light                 | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| P-in-P                                  | -        | ✓        | ✓        | -        | ✓        | ✓        | -        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | -               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Backup Input                            | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | ✓        |
| Emulation                               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Data Cloning Function                   | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | ✓               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| HDR compatible                          | ✓        | -        | -        | ✓        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Mechanical Shutter                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Software                                |          |          |          |          |          |          |          |          |          |           |           |  |           |           |                 |          |          |          |          |          |          |          |          |          |          |
| Multi Monitoring & Control Software     | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Wireless Manager                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Plug and Share                          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Presenter Light                         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -         |  | -         | -         | -               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Geometry Manager Pro                    | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | -         | -         | ✓               | ✓        | -        | -        | ✓        | ✓        | -        | ✓        | -        | -        | -        |
| Smart Projector Control                 | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -         | -         |  | -         | -         | ✓               | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Logo Transfer Software                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         |  | ✓         | ✓         | ✓               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |

\*1: HDMI/DIGITAL LINK input only.

## ■ Features (Installation)

| Features                                | PT-DZ870 | PT-DW830 | PT-DX100 | PT-DZ780 | PT-DW750 | PT-DX820 | PT-MZ770       | PT-MW730       | PT-MZ670       | PT-MW630       | PT-MZ570       | PT-MW530       | PT-EZ770Z | PT-EW730Z | PT-EX800Z | PT-EZ590       | PT-EW650       | PT-EW550       | PT-EX620       | PT-EX520       | PT-FZ570       | PT-FW530       | PT-FX500       |
|---|----------|----------|----------|----------|----------|----------|----------------|----------------|----------------|----------------|----------------|----------------|-----------|-----------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Specification</b>                    |          |          |          |          |          |          |                |                |                |                |                |                |           |           |           |                |                |                |                |                |                |                |                |
| DIGITAL LINK                            | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | -              | ✓              | -              | ✓              | ✓              | ✓              |
| 24/7 operation                          | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| 4K signal input                         | -        | -        | -        | -        | -        | -        | ✓ <sup>1</sup> | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| <b>Picture Quality</b>                  |          |          |          |          |          |          |                |                |                |                |                |                |           |           |           |                |                |                |                |                |                |                |                |
| Detail Clarity Processor 5+             | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Detail Clarity Processor 5              | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Detail Clarity Processor 4              | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Detail Clarity Processor 3              | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| System Daylight View 3                  | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| System Daylight View 2                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Daylight View Basic                     | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| Daylight View Lite                      | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| 3D Ready                                | ✓        | ✓        | ✓        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| <b>Installation</b>                     |          |          |          |          |          |          |                |                |                |                |                |                |           |           |           |                |                |                |                |                |                |                |                |
| Multi Screen Suport System              | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Geometric Adjustment                    | ✓        | -        | -        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Multi-Unit Brightness and Color Control | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| 360-degree free installation            | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Contrast Sync and Shutter Sync          | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Corner Keystone                         | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| Curved Screen Correction                | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| <b>Function</b>                         |          |          |          |          |          |          |                |                |                |                |                |                |           |           |           |                |                |                |                |                |                |                |                |
| Wireless Function                       | -        | -        | -        | -        | -        | -        | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | -         | -         | -         | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> |
| Mirroring Function                      | -        | -        | -        | -        | -        | -        | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓ <sup>2</sup> | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| USB Memory Viewer                       | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| USB Memory Viewer Light                 | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| P-in-P                                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | ✓         | ✓         | ✓         | -              | -              | -              | -              | -              | -              | -              | -              |
| Backup Input                            | -        | -        | -        | ✓        | ✓        | ✓        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Emulation                               | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| Data Cloning Function                   | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| HDR compatible                          | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Mechanical Shutter                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | -              | ✓              | ✓              | -              | -              | -              |
| <b>Software</b>                         |          |          |          |          |          |          |                |                |                |                |                |                |           |           |           |                |                |                |                |                |                |                |                |
| Multi Monitoring & Control Software     | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| Wireless Manager                        | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Plug and Share                          | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Presenter Light                         | -        | -        | -        | -        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |
| Geometry Manager Pro                    | ✓        | -        | -        | ✓        | -        | -        | -              | -              | -              | -              | -              | -              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Smart Projector Control                 | -        | -        | -        | -        | -        | -        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | -         | -         | -         | -              | -              | -              | -              | -              | -              | -              | -              |
| Logo Transfer Software                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓         | ✓         | ✓         | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              | ✓              |

\*1: HDMI/DIGITAL LINK input only.

\*2: To operate wireless projection, the optional Wireless Module is required.

## Features (Portable, Short Throw)


| Features                                | PT-VMZ60 | PT-VMZ50 | PT-VMZ40 | PT-VMW60 | PT-VMW50 | PT-VZ585N | PT-VZ580 | PT-VW545N | PT-VW540 | PT-VX615N | PT-VX610 |  | PT-VZ470 | PT-VW360 | PT-VX430 | PT-LW375 | PT-LW335 | PT-LB425 | PT-LB385 | PT-LB355 | PT-LB305 | PT-TW371R | PT-TW370 | PT-TX430 | PT-TX340 |
|---|----------|----------|----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| Specification                           |          |          |          |          |          |           |          |           |          |           |          |  |          |          |          |          |          |          |          |          |          |           |          |          |          |
| DIGITAL LINK                            | ✓        | ✓        | -        | ✓        | ✓        | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| 24/7 operation                          | ✓        | ✓        | ✓        | ✓        | ✓        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| 4K signal input                         | ✓*1      | ✓*1      | ✓*1      | ✓*1      | ✓*1      | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Picture Quality                         |          |          |          |          |          |           |          |           |          |           |          |  |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Detail Clarity Processor 5+             | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Detail Clarity Processor 5              | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Detail Clarity Processor 4              | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Detail Clarity Processor 3              | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| System Daylight View 3                  | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| System Daylight View 2                  | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Dayilght View Basic                     | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Dayilght View Lite                      | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| 3D Ready                                | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | -         | ✓        | ✓        | ✓        |
| Installation                            |          |          |          |          |          |           |          |           |          |           |          |  |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Multi Screen Suport System              | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Geometric Adjustment                    | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Multi-Unit Brightness and Color Control | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| 360-degree free installation            | ✓        | ✓        | ✓        | ✓        | ✓        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Contrast Sync and Shutter Sync          | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Corner Keystone                         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Curved Screen Correction                | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Function                                |          |          |          |          |          |           |          |           |          |           |          |  |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Wireless Function                       | ✓*2      | ✓*2      | ✓*2      | ✓*2      | ✓*2      | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | ✓*2      | ✓*2      | ✓*2      | ✓*2      | ✓*2      | ✓*2      | ✓*2      | -        | ✓*2       | ✓*2      | ✓*2      | ✓*2      |
| Mirroring Function                      | -        | -        | -        | -        | -        | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| USB Memory Viewer                       | -        | -        | -        | -        | -        | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| USB Memory Viewer Light                 | ✓        | ✓        | ✓        | ✓        | ✓        | -         | -        | -         | -        | -         | -        |  | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | ✓         | ✓        | ✓        | ✓        |
| P-in-P                                  | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Backup Input                            | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Emulation                               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Data Cloning Function                   | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| HDR compatible                          | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Mechanical Shutter                      | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Software                                |          |          |          |          |          |           |          |           |          |           |          |  |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Multi Monitoring & Control Software     | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Wireless Manager                        | -        | -        | -        | -        | -        | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Plug and Share                          | -        | -        | -        | -        | -        | ✓         | -        | ✓         | -        | ✓         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Presenter Light                         | ✓        | ✓        | ✓        | ✓        | ✓        | -         | -        | -         | -        | -         | -        |  | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | ✓         | ✓        | ✓        | ✓        |
| Geometry Manager Pro                    | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Smart Projector Control                 | -        | -        | -        | -        | -        | -         | -        | -         | -        | -         | -        |  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Logo Transfer Software                  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓         | ✓        | ✓         | ✓        |  | ✓        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |


\*1: HDMI/DIGITAL LINK input only. Supports signal up to 4K/30p.

\*2: To operate wireless projection, the optional Wireless Module required.

## Optional Lenses for 3-Chip DLP™ Projector (Large-Venue)

ID :Featuring Auto Lens Identification Function\*1 M :Featuring Stepping Motor

| Lens type          | Fixed-focus lens  | Fixed-focus lens  | Zoom lens   | Fixed-focus lens  | Zoom lens   | Zoom lens  |
|--------------------|---|---|---|---|---|--|
| Model number       | ET-D75LE95  | ET-D3LEU100   | ET-D3LEW200   | ET-D3LEW50 <sup>3</sup>   | ET-D3LEW60  | ET-D75LE6  |
|                    |  |  |  |  |  |  |
| F value            | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5  |
| Focal distance (f) | 7.5 mm  | 8.0 mm  | 13.8-18.1 mm  | 14.8 mm   | 19.63-23.54 mm  | 19.63-23.54 mm   |
| Weight             | Approx. 6.5 kg/14.3 lbs   | Approx. 8.0 kg/17.64 lbs  | Approx. 9.0 kg/19.84 lbs  | Approx. 7.1 kg/15.7 lbs   | Approx. 8.7 kg/18.2 lbs   | Approx. 8.7 kg/19.2 lbs  |

| Lens type          | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens  |
|--------------------|---|---|---|---|---|--|
| Model number       | ET-D3LEW10  | ET-D75LE10  | ET-D3LES20  | ET-D75LE20  | ET-D3LET30  | ET-D75LE30   |
|                    |  |  |  |  |  |  |
| F value            | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5  |
| Focal distance (f) | 26.6-36.4 mm  | 27.4-35.4 mm  | 35.0-50.9 mm  | 35.0-50.9 mm  | 50.4-98.0 mm  | 50.5-97.9 mm   |
| Weight             | Approx. 6.2 kg/13.7 lbs   | Approx. 6.1 kg/13.4 lbs   | Approx. 5.2 kg/11.5 lbs   | Approx. 5.2 kg/11.5 lbs   | Approx. 5.8 kg/12.8 lbs   | Approx. 5.2 kg/11.5 lbs  |

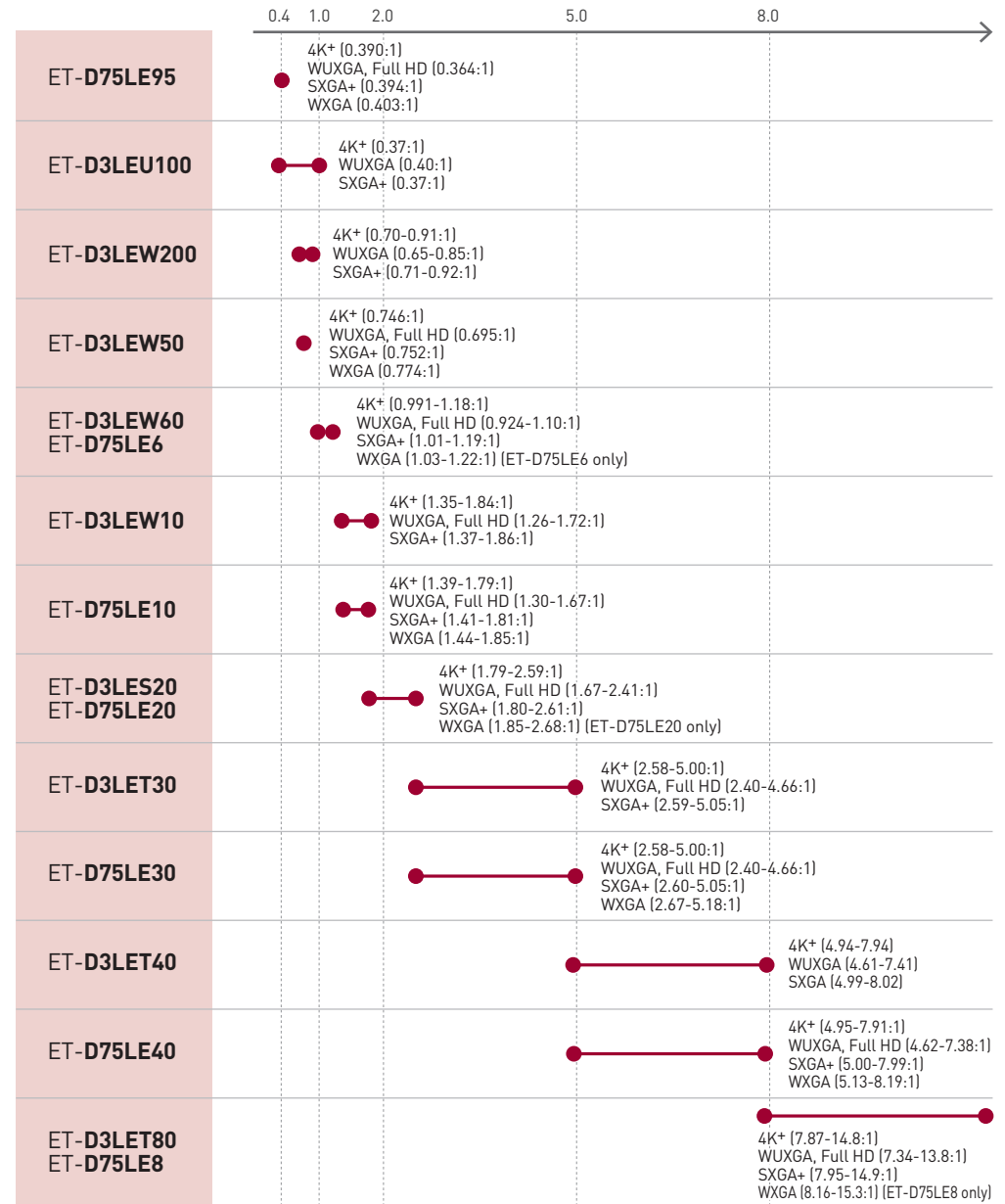
| Lens type          | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens   |
|--------------------|---|---|---|---|
| Model number       | ET-D3LET40  | ET-D75LE40  | ET-D3LET80  | ET-D75LE8   |
|                    |  |  |  |  |
| F value            | 2.5   | 2.5   | 2.5-2.7   | 2.5-2.7   |
| Focal distance (f) | 96.6-154.9 mm   | 96.6-154.1 mm   | 154-289 mm  | 154-289 mm  |
| Weight             | Approx. 5.0 kg/11.0 lbs   | Approx. 5.0 kg/11.0 lbs   | Approx. 8.5 kg/18.7 lbs   | Approx. 8.5 kg/18.7 lbs   |



Optional Lenses Compatibility Chart

|           | ET-D75LE95 | ET-D3LEU100    | ET-D3LEW200    | ET-D3LEW50 | ET-D3LEW60     | ET-D75LE6 | ET-D3LEW10     | ET-D75LE10 | ET-D3LES20     | ET-D75LE20 | ET-D3LET30     | ET-D75LE30 | ET-D3LET40     | ET-D75LE40 | ET-D3LET80     | ET-D75LE8 |
|-----------|------------|----------------|----------------|------------|----------------|-----------|----------------|------------|----------------|------------|----------------|------------|----------------|------------|----------------|-----------|
| PT-RQ32K  | ✓          | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓          | ✓ <sup>3</sup> | ✓         | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓         |
| PT-RZ31K  | ✓          | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓          | ✓ <sup>3</sup> | ✓         | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓         |
| PT-RS30K  | ✓          | ✓ <sup>2</sup> | ✓ <sup>2</sup> | ✓          | ✓ <sup>3</sup> | ✓         | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓          | ✓ <sup>3</sup> | ✓         |
| PT-RQ22K  | ✓          | ✓              | ✓              | ✓          | ✓              | ✓         | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓         |
| PT-RZ21K  | ✓          | ✓              | ✓              | ✓          | ✓              | ✓         | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓         |
| PT-RS20K  | ✓          | ✓              | ✓              | ✓          | ✓              | ✓         | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓          | ✓              | ✓         |
| PT-RQ13K  | ✓          | ✓ <sup>2</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-RZ12K  | ✓          | ✓ <sup>2</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-RS11K  | ✓          | ✓ <sup>2</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-DZ21K2 | ✓          | ✓ <sup>4</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-DS20K2 | ✓          | ✓ <sup>4</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-DW17K2 | ✓          | ✓ <sup>4</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |
| PT-DZ16K2 | ✓          | ✓ <sup>4</sup> | -              | ✓          | -              | ✓         | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓          | -              | ✓         |

## Throw Ratio



\*1: Calibration is required each time the lens is mounted.

\*2: Operation with the ET-PLF10 Lens Fixed Attachment is recommended.

\*3: Projector may require the latest firmware update.

\*4: Auto Lens Identification Function not available. Need to add footnote details as confirmation.



## Optional Lenses for 1-Chip DLP™ Projector (Installation)

| Lens type          | Zoom lens  | Fixed-focus lens  | Fixed-focus lens  | Zoom lens  |
|--------------------|--|---|---|--|
| Model number       | ET-DLE020  | ET-DLE035   | ET-DLE055   | ET-DLE060  |
|                    | Available from October 2019<br> |  |  |  |
| F value            | 2.0  | 2.0   | 1.8   | 1.85-2.34  |
| Focal distance (f) | 4.1-4.4 mm   | 5.3 mm  | 11.9 mm   | 9.16-12.06 mm  |
| Weight             | Approx. 3.2 kg/7.05 lbs  | Approx. 1.3 kg/3.1 lbs  | Approx. 0.8 kg/1.8 lbs  | Approx. 1.3 kg/2.9 lbs   |

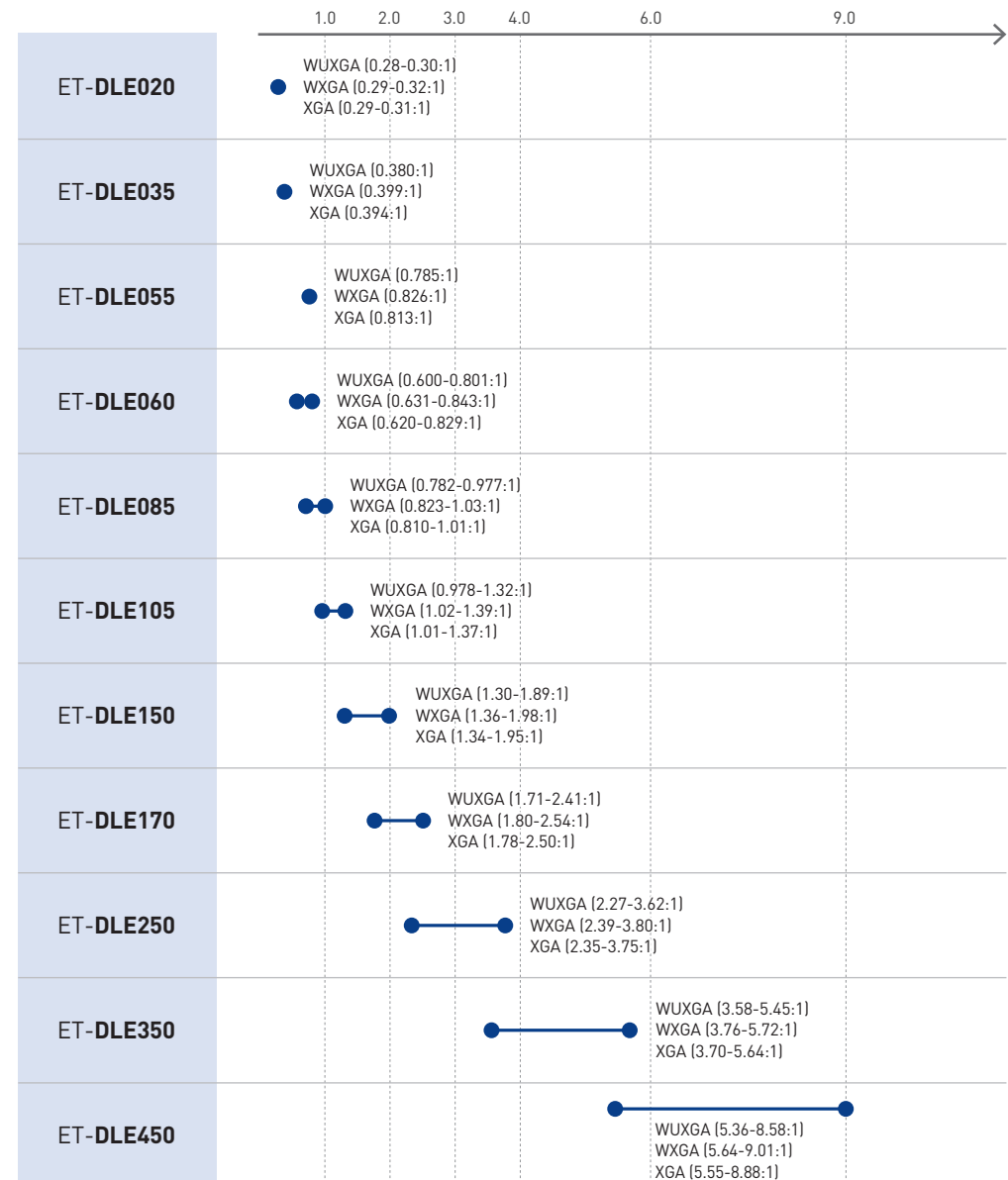
| Lens type          | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens (supplied lens)*   |
|--------------------|---|---|---|--|
| Model number       | ET-DLE085   | ET-DLE105   | ET-DLE150   | ET-DLE170  |
|                    |  |  |  |  |
| F value            | 1.85-2.20   | 1.85-2.35   | 1.8-2.4   | 1.7-1.9  |
| Focal distance (f) | 11.8-14.6 mm  | 14.7-19.7 mm  | 19.4-27.9 mm  | 25.6-35.7 mm   |
| Weight             | Approx. 1.3 kg/2.9 lbs  | Approx. 1.2 kg/2.6 lbs  | Approx. 1.1 kg/2.4 lbs  | Approx. 0.9 kg/2.0 lbs   |

| Lens type          | Zoom lens   | Zoom lens   | Zoom lens   |
|--------------------|---|---|---|
| Model number       | ET-DLE250   | ET-DLE350   | ET-DLE450   |
|                    |  |  |  |
| F value            | 1.8-2.4   | 1.8-2.2   | 1.8-2.4   |
| Focal distance (f) | 33.9-53.2 mm  | 52.8-79.5 mm  | 79.5-125.2 mm   |
| Weight             | Approx. 1.0 kg/2.2 lbs  | Approx. 1.1 kg/2.4 lbs  | Approx. 1.3 kg (2.9 lbs)  |

Optional Lenses Compatibility Chart

|          | ET-DLE020 | ET-DLE035 | ET-DLE055 | ET-DLE060 | ET-DLE085 | ET-DLE105 | ET-DLE150 | ET-DLE170 | ET-DLE250 | ET-DLE350 | ET-DLE450 |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| PT-RZ120 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RZ970 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RW930 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RX110 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RZ870 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RZ770 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RW730 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RZ660 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-RW620 | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DZ870 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DW830 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DX100 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DZ780 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DW750 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |
| PT-DX820 | -         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         | ✓         |


## Throw Ratio



\* The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.

## Optional Lenses for LCD Projector (Installation)

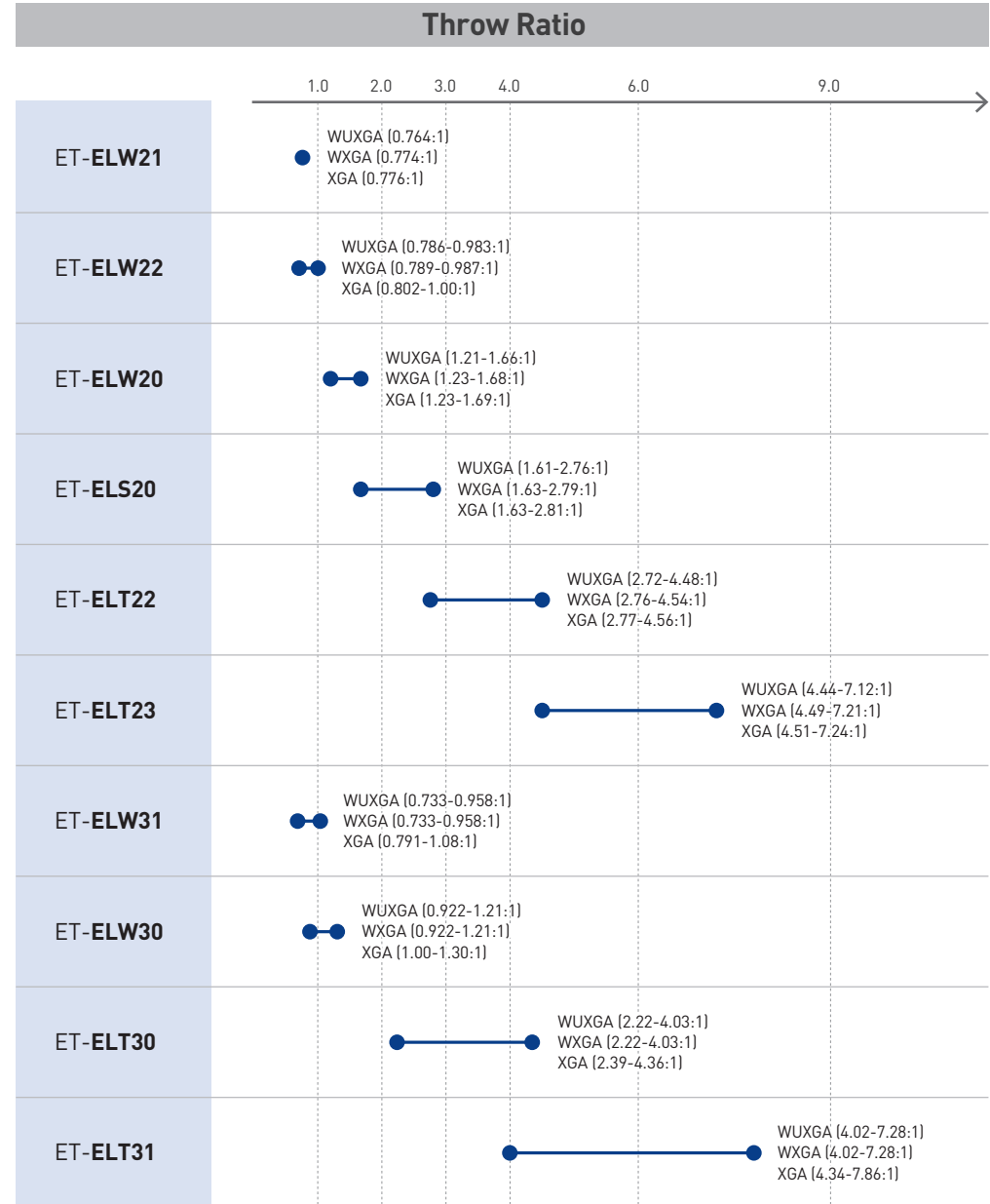
| Lens type          | Fixed-focus lens  | Zoom lens   | Zoom lens   | Zoom lens (supplied lens)*   |
|--------------------|---|---|---|--|
| Model number       | ET-ELW21  | ET-ELW22  | ET-ELW20  | ET-ELS20   |
|                    |  |  |  |  |
| F value            | 2.0   | 2.0-2.4   | 1.8-2.3   | 1.7-2.3  |
| Focal distance (f) | 13.05 mm  | 13.27-16.56 mm  | 20.4-27.6 mm  | 26.9-45.4 mm   |
| Weight             | Approx. 1.08 kg/2.4 lbs   | Approx. 1.2 kg/2.7 lbs  | Approx. 1.20 kg/2.6 lbs   | Approx. 0.9 kg/2.0 lbs   |

| Lens type          | Zoom lens   | Zoom lens   |
|--------------------|---|---|
| Model number       | ET-ELT22  | ET-ELT23  |
|                    |  |  |
| F value            | 1.8-2.3   | 1.8-2.3   |
| Focal distance (f) | 45.6-73.8 mm  | 74.8-118.2 mm   |
| Weight             | Approx. 1.18 kg/2.6 lbs   | Approx. 1.20 kg/2.6 lbs   |

| Lens type          | Zoom lens   | Zoom lens   | Zoom lens   | Zoom lens  |
|--------------------|---|---|---|--|
| Model number       | ET-ELW31  | ET-ELW30  | ET-ELT30  | ET-ELT31   |
|                    |  |  |  |  |
| F value            | 1.7-2.0   | 1.7-1.99  | 1.7-2.24  | 1.7-2.3  |
| Focal distance (f) | 10.46-13.61 mm  | 13.09-17.03 mm  | 31.34-56.79 mm  | 56.41-101.66 mm  |
| Weight             | Approx. 1.20 kg/2.6 lbs   | Approx. 1.20 kg/2.6 lbs   | Approx. 1.52 kg/3.4 lbs   | Approx. 1.55 kg/3.4 lbs  |

Optional Lenses Compatibility Chart

|           | ET-ELW21 | ET-ELW22 | ET-ELW20 | ET-ELS20 | ET-ELT22 | ET-ELT23 | ET-ELW31 | ET-ELW30 | ET-ELT30 | ET-ELT31 |
|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| PT-MZ770  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-MW730  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-MZ670  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-MW630  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-MZ570  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-MW530  | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-EZ770Z | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-EW730Z | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-EX800Z | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        |
| PT-EZ590  | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        |
| PT-EW650  | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        |
| PT-EW550  | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        |
| PT-EX620  | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        |
| PT-EX520  | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        |



\* The ET-ELS20 is equivalent of supplied lens. Availability varies depending on the country.

## Optional Accessories for 3-Chip DLP™ Projector (Large-Venue)

| Model Type                         | Model Number                    | PT-RQ32K | PT-RZ31K | PT-RS30K | PT-RQ22K | PT-RZ21K | PT-RS20K |  | PT-RQ13K | PT-RZ12K | PT-RS11K | PT-DZ21K2 | PT-DS20K2 | PT-DW17K2 | PT-DZ16K2 |
|------------------------------------|---------------------------------|----------|----------|----------|----------|----------|----------|--|----------|----------|----------|-----------|-----------|-----------|-----------|
| <b>Replacement lamp unit</b>       |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| 432 W UHM lamp x 1                 | ET-LAD520                       | -        | -        | -        | -        | -        | -        |  | -        | -        | -        | ✓         | ✓         | ✓         | ✓         |
| 432 W UHM lamp x 4                 | ET-LAD520F                      | -        | -        | -        | -        | -        | -        |  | -        | -        | -        | ✓         | ✓         | ✓         | ✓         |
| 432 W UHM lamp x 1                 | ET-LAD520P (for portrait mode)  | -        | -        | -        | -        | -        | -        |  | -        | -        | -        | ✓         | ✓         | ✓         | ✓         |
| 432 W UHM lamp x 4                 | ET-LAD520PF (for portrait mode) | -        | -        | -        | -        | -        | -        |  | -        | -        | -        | ✓         | ✓         | ✓         | ✓         |
| <b>Ceiling mount bracket</b>       |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| High ceiling mount bracket         | ET-PKD520H                      | -        | -        | -        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| Low ceiling mount bracket          | ET-PKD520S                      | -        | -        | -        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| Projector mount bracket            | ET-PKD520B                      | -        | -        | -        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| Frame                              | ET-PFD510*1                     | -        | -        | -        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| <b>Replacement filter unit</b>     |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| Replacement filter unit            | ET-EMF330                       | ✓        | ✓        | ✓        | -        | -        | -        |  | ✓        | ✓        | ✓        | -         | -         | -         | -         |
| Smoke cut filter                   | ET-SFR330*2                     | ✓        | ✓        | ✓        | -        | -        | -        |  | ✓        | ✓        | ✓        | -         | -         | -         | -         |
| Long life filter unit              | ET-EMFU330                      | ✓        | ✓        | ✓        | -        | -        | -        |  | -        | -        | -        | -         | -         | -         | -         |
| Replacement filter unit            | ET-EMF510                       | -        | -        | -        | -        | -        | -        |  | -        | -        | -        | ✓         | ✓         | ✓         | ✓         |
| <b>Peripheral</b>                  |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| DIGITAL LINK Switcher              | ET-YFB200G                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| Digital Interface Box              | ET-YFB100G                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| <b>Software</b>                    |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| Early Warning Software             | ET-SWA100 Series*3              | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | ✓         | ✓         |
| Geometry Manager Pro Upgrade Kit   | ET-UK20                         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | -         | -         |
| Auto Screen Adjustment Upgrade Kit | ET-CUK10/CUK10P*4               | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓        | ✓        | ✓        | ✓         | ✓         | -         | -         |
| <b>Interface board</b>             |                                 |          |          |          |          |          |          |  |          |          |          |           |           |           |           |
| DVI-D input signal board           | ET-MDNDV10                      | ✓        | -        | -        | ✓        | -        | -        |  | ✓        | -        | -        | -         | -         | -         | -         |
| HDMI input signal board            | ET-MDNHM10                      | ✓        | -        | -        | ✓        | -        | -        |  | ✓        | -        | -        | -         | -         | -         | -         |
| 12G-SDI signal board               | ET-MDN12G10                     | ✓        | -        | -        | ✓        | -        | -        |  | ✓        | -        | -        | -         | -         | -         | -         |
| 3G-SDI input signal board          | TY-TBN03G                       | ✓        | -        | -        | ✓        | -        | -        |  | ✓        | -        | -        | -         | -         | -         | -         |
| DisplayPort input signal board     | ET-MDNDP10                      | -        | -        | -        | ✓        | -        | -        |  | -        | -        | -        | -         | -         | -         | -         |

\*1: This frame cannot be used when the separately sold ET-D75LE95 fixed focus lens is attached to the projector.

\*2: The smoke cut filter is an air filter unit for an applicable Panasonic projector, for when the projector is used at events or other situation where smoke, fog or haze is being generated as a special effect.

\*3: The suffix of the model number differs according to the license type.

\*4: The availability varies depending on the country.

## ■ Optional Accessories for 1-Chip DLP™ Projector (Installation)

| Model Type  | Model Number                    | PT-RZ120 | PT-RZ970 | PT-RW930 | PT-RX110 | PT-RZ870 | PT-RZ770 | PT-RW730 | PT-RZ660 | PT-RW620 | PT-RZ570 | PT-RZ575 | PT-DZ870 | PT-DW830 | PT-DX100 | PT-DZ780 | PT-DW750 | PT-DX820 |
|---|---------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Replacement lamp unit</b>                                |                                 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| 420 W UHM lamp x 1  | ET-LAD120                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | -        | -        | -        |
| 420 W UHM lamp x 2  | ET-LAD120W                      | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | -        | -        | -        |
| 420 W UHM lamp x 1  | ET-LAD120P (for portrait mode)  | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | -        | -        | -        |
| 420 W UHM lamp x 2  | ET-LAD120PW (for portrait mode) | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        | -        | -        | -        |
| 310 W UHM lamp x 1  | ET-LAD70                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        |
| 310 W UHM lamp x 2  | ET-LAD70W                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        |
| <b>Ceiling mount bracket</b>                                |                                 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| High ceiling mount bracket with 6-axis adjustment mechanism | ET-PKD130H*1                    | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Bracket assembly  | ET-PKD130B                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| High ceiling mount bracket                                  | ET-PKD120H                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Low ceiling mount bracket                                   | ET-PKD120S                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| <b>Peripheral</b>   |                                 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| DIGITAL LINK Switcher                                       | ET-YFB200G                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Digital Interface Box                                       | ET-YFB100G                      | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| D-Sub/S-VIDEO conversion cable                              | ET-ADSV                         | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓        | ✓        | -        | -        | -        | -        | -        | -        |
| <b>Software</b>   |                                 |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Early Warning Software                                      | ET-SWA100 Series*2              | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Geometry Manager Pro Upgrade Kit                            | ET-UK20                         | ✓        | ✓        | -        | -        | ✓        | ✓        | -        | ✓        | -        | -        | -        | ✓        | -        | -        | ✓        | -        | -        |
| Auto Screen Adjustment Upgrade Kit                          | ET-CUK10/CUK10P*3               | ✓        | ✓        | -        | -        | ✓        | ✓        | -        | ✓        | -        | -        | -        | ✓        | -        | -        | ✓        | -        | -        |

\*1: Recommended when used with the ET-DLE035.

\*2: The suffix of the model number differs according to the license type.

\*3: The availability varies depending on the country.

## Optional Accessories for LCD Projector (Installation)

| Model Type                     | Model Number       | PT-MZ770 | PT-MW730 | PT-MZ670 | PT-MW630 | PT-MZ570 | PT-MW530 |  | PT-EZ770Z | PT-EW730Z | PT-EX800Z | PT-EZ590 | PT-EW650 | PT-EW550 | PT-EX620 | PT-EX520 | PT-EZ570 | PT-FW530 | PT-FX500 |
|--------------------------------|--------------------|----------|----------|----------|----------|----------|----------|--|-----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>Replacement lamp unit</b>   |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| 400 W UHM lamp x 1             | ET-LAE300          | -        | -        | -        | -        | -        | -        |  | ✓         | ✓         | ✓         | -        | -        | -        | -        | -        | -        | -        | -        |
| 320 W UHM lamp x 1             | ET-LAEF100         | -        | -        | -        | -        | -        | -        |  | -         | -         | -         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| <b>Ceiling mount bracket</b>   |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| High ceiling mount bracket     | ET-PKD120H         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓         | ✓         | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Low ceiling mount bracket      | ET-PKD120S         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓         | ✓         | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Bracket assembly               | ET-PKE301B         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | -         | -         | -         | -        | -        | -        | -        | -        | -        | -        | -        |
| Bracket assembly               | ET-PKE300B         | -        | -        | -        | -        | -        | -        |  | ✓         | ✓         | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| <b>Replacement filter unit</b> |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| Replacement filter unit        | ET-RFE300          | -        | -        | -        | -        | -        | -        |  | ✓         | ✓         | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | -        | -        | -        |
| Replacement filter unit        | ET-RFF200          | -        | -        | -        | -        | -        | -        |  | -         | -         | -         | -        | -        | -        | -        | -        | ✓        | ✓        | ✓        |
| Replacement filter unit        | ET-RFM100          | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | -         | -         | -         | -        | -        | -        | -        | -        | -        | -        | -        |
| <b>Wireless module</b>         |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| Wireless module                | ET-WM300           | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | -         | -         | -         | -        | -        | -        | -        | -        | -        | -        | -        |
| Wireless module                | ET-WML100          | -        | -        | -        | -        | -        | -        |  | -         | -         | -         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| Easy wireless stick            | ET-UW100*1         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | -         | -         | -         | -        | -        | -        | -        | -        | -        | -        | -        |
| <b>Peripheral</b>              |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| DIGITAL LINK Switcher          | ET-YFB200G         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓         | ✓         | ✓         | ✓        | ✓        | -        | ✓        | -        | ✓        | ✓        | ✓        |
| Digital Interface Box          | ET-YFB100G         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓         | ✓         | ✓         | ✓        | ✓        | -        | ✓        | -        | ✓        | ✓        | ✓        |
| D-Sub/S-VIDEO conversion cable | ET-ADSV            | -        | -        | -        | -        | -        | -        |  | -         | -         | -         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |
| <b>Software</b>                |                    |          |          |          |          |          |          |  |           |           |           |          |          |          |          |          |          |          |          |
| Early Warning Software         | ET-SWA100 Series*1 | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |  | ✓         | ✓         | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        |

\*1: The suffix of the model number differs according to the license type.



## ■ Optional Accessories for LCD Projector (Portable, Short Throw)

| Model Type                     | Model Number       | PT-VMZ60 | PT-VMZ50 | PT-VMZ40 | PT-VMW60 | PT-VMW50 | PT-VZ585N |  | PT-VZ580 | PT-VW545N | PT-VW540 | PT-VX615N | PT-VX610 | PT-VZ470 | PT-VW360 | PT-VX430 | PT-LW375 | PT-LW335 | PT-LB425 | PT-LB385 | PT-LB355 | PT-LB305 | PT-TW371R | PT-TW370 | PT-TX430 | PT-TX340 |
|--------------------------------|--------------------|----------|----------|----------|----------|----------|-----------|--|----------|-----------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|----------|----------|
| Replacement lamp unit          |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| 270 W UHM lamp x 1             | ET-LAV400          | -        | -        | -        | -        | -        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| 230 W UHM lamp x 1             | ET-LAV300          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| 230 W UHM lamp x 1             | ET-LAL510          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Ceiling mount bracket          |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Bracket assembly               | ET-PKV400B         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | ✓        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| High ceiling mount bracket     | ET-PKL100H         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Low ceiling mount bracket      | ET-PKL100S         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Bracket assembly               | ET-PKL430B         | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓         | ✓        | ✓        | ✓        |
| Bracket assembly               | ET-PKL420B         | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | -        | -        | -        |
| Replacement filter unit        |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Replacement filter unit        | ET-RFV500          | ✓        | ✓        | ✓        | ✓        | ✓        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Replacement filter unit        | ET-RFV410          | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Replacement filter unit        | ET-RFV400          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | ✓        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Replacement filter unit        | ET-RFV300          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | ✓        | ✓        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Replacement filter unit        | ET-RFL300          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Wireless module                |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Wireless module                | ET-WML100          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | ✓         | ✓        | ✓        | ✓        |
| Wireless module                | AJ-WM50            | ✓        | ✓        | ✓        | ✓        | ✓        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Easy wireless stick            | ET-UW100*1         | -        | -        | -        | -        | -        | ✓         |  | -        | ✓         | -        | ✓         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Peripheral                     |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| DIGITAL LINK Switcher          | ET-YFB200G         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | -        | ✓         | -        | ✓         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Digital Interface Box          | ET-YFB100G         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | -        | ✓         | -        | ✓         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -         | -        | -        | -        |
| Interactive Light pen          | ET-PEN100          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓         | -        | -        | -        |
| Interactive Pointer            | ET-PNT100          | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | ✓         | -        | -        | -        |
| D-Sub/S-VIDEO conversion cable | ET-ADSV            | -        | -        | -        | -        | -        | -         |  | -        | -         | -        | -         | -        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         | ✓        | ✓        | ✓        |
| Software                       |                    |          |          |          |          |          |           |  |          |           |          |           |          |          |          |          |          |          |          |          |          |          |           |          |          |          |
| Early Warning Software         | ET-SWA100 Series*1 | ✓        | ✓        | ✓        | ✓        | ✓        | ✓         |  | ✓        | ✓         | ✓        | ✓         | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | ✓        | -        | ✓         | ✓        | ✓        | ✓        |

\*1: The suffix of the model number differs according to the license type.

## Fisheye Lens / Stepping Motor Kit for Optional Lenses

OPTION

### High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications

Fisheye Lens  
for 3-Chip DLP™ Projectors  
ET-D3LEF70 (optional)



#### Features

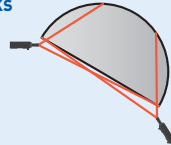
- Suitable for dome theater, planetarium, theme park, events, etc.
- Supports high-resolution WQXGA (4K\*) projection
- Wide lens shift for flexible projection
- Surrounding focus correction when projecting from short distances
- Compatible with Panasonic 3-Chip DLP™ projectors\*

\* Supports the PT-D7500 3-Chip DLP™ projector and later models.



#### Planetariums, Dome Theaters, and Theme Parks

Unlock the potential of your space. Combine the ET-D3LEF70, a Panasonic 4K\* projector, and quality video content to see attendance figures soar. This lens makes the creation of new theme-park attractions possible with full-dome coverage and excellent flexibility.



#### Events and Exhibitions

Make your client's exhibit the talk of the trade show, exposition, or event with a portable video dome. Image Plane Correction is supported at short projection distances, while wide lens-shift enables highly flexible and easy installation.



#### Simulators

From driver education, pilot training, to ship maneuvering, the ET-D3LEF70 brings true-to-life environments alive in your simulation suite.



### Supporting Accurate Installation

Stepping Motor Kit  
ET-D75MKS10\*

This product is an adaptor kit for increasing the speed of zoom operations and for improving the reproducibility of zoom positions for optional lenses for Panasonic's 3-chip DLP™ projectors.

Note: This kit can not be used by itself. It can only be used in combination with the applicable lenses listed below.

| Model number           | ET-D75MKS10  |
|------------------------|--|
| Dimensions (W x H x D) | 101 x 82.5 x 59 mm [3-31/32 x 3-1/4 x 2-5/16 inches]                 |
| Weight*2               | Approx. 145 g/0.3 lbs  |
| Supported lens         | ET-D75LE10, ET-D75LE20, ET-D75LE30, ET-D75LE40, ET-D75LE6, ET-D75LE8 |
| Supported projectors   | PT-RQ32K*, PT-RZ31K*/RS30K*, PT-RQ22K, PT-RZ21K/RS20K                |

\*1: Calibration is required each time the lens is mounted. \*2: Average value. Each product has an individual variable in weight.

\*3: Projector may require the latest firmware update.

## DIGITAL LINK Compatible Options / Transparent Film Screen

OPTION

### All-in-One Connectivity

DIGITAL LINK Switcher  
ET-YFB200G (optional)



Digital Interface Box  
ET-YFB100G (optional)



\* ET-YFB200G/YFB100G is not compatible with 4K signals.

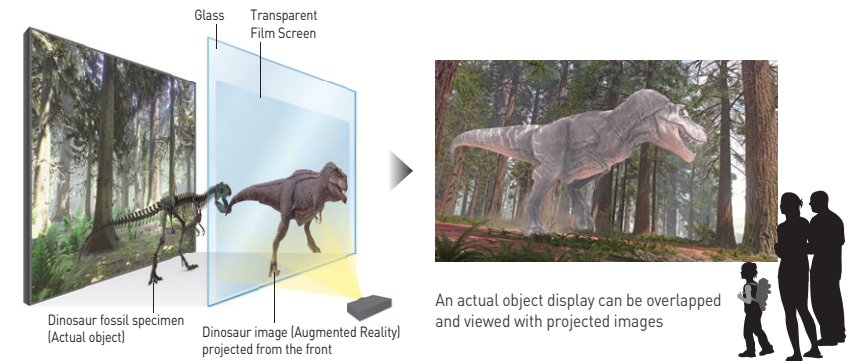
Equipped with DIGITAL LINK output terminals.<sup>\*1</sup> Allows transmission of HDMI, uncompressed Full HD video, audio and control signals (Ethernet, RS-232C) for up to 100 m (328 ft.) through a single CAT5e (STP) cable or higher. Long Reach Mode supports up to 1080/60p signal transmission for 150 m (492 ft.).<sup>\*2</sup>

\*1: DIGITAL LINK terminal: two terminals on the ET-YFB200G and one terminal on the ET-YFB100G.

\*2: For more information about Long Reach mode compatible model, please visit the website  
>>> [panasonic.net/cns/prodisplays/solutions/technology/digital\\_link/#projector](http://panasonic.net/cns/prodisplays/solutions/technology/digital_link/#projector)

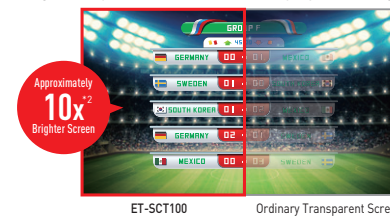
### An AR Experience to Excite Your Customers

A film-type transparent screen changes the existing transparent glass into a projector screen. Customers enjoy dynamic digital content in the form of Augmented Reality (AR), to view actual objects in real-life size.



### Features

- High transparency\*1 achieves clear projected images



ET-SCT100

Ordinary Transparent Screen

- Uses existing glass\*3 for AR display



\*1: Transparent Screen with 70% or higher transmission. \*2: At an incident angle of 60°, using projectors with equal brightness, (according to a Panasonic survey)  
\*3: Use may not be possible due to the shape of the glass, the condition of the surface, etc.

For more information, please visit the website. >>> [panasonic.net/cns/projector/products/sct100/](http://panasonic.net/cns/projector/products/sct100/)

# Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability

## FEATURES

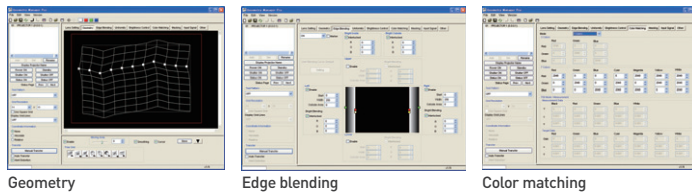
Flexible projection with a peripheral system turns image viewing into a memorable experience. Panasonic offers features that provide truly unique applications.

### Geometric Adjustment (free)

Projectors with a built-in Geometric Adjustment function expand projection capability onto spherical, cylindrical and other specially shaped screens.

### Geometry Manager Pro Software and Upgrade Kit (for a fee)

Using this software allows you to perform real-time geometric compensation and other fine adjustments and corrections that cannot be handled on the projector side.



#### ■ Upgrade Kit for Geometry Manager Pro (ET-UK20)

Expands the correctable range for Geometry Manager Pro Software. Custom Masking, Uniformity Correction, and other useful functions for multi-projector setups are supported.

#### ■ Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)\*1

This is the plug-in software and expands the functions of Geometry Manager Pro. Allows automatic adjustment of geometry correction, edge blending, color, and brightness according to the shape of the screen through use of an externally connected camera.

### Compatible Projector Models

|                               | PT-RQ32K | PT-RZ31K | PT-RS30K | PT-RQ22K | PT-RZ21K | PT-RS20K | PT-RQ13K | PT-RZ12K | PT-RS11K | PT-DZ21K2 | PT-DS20K2 | PT-DW17K2 | PT-DZ16K2 |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| Geometric Adjustment          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes       | Yes       | Yes       | Yes       |
| Geometry Manager Pro Software | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes       | Yes       | No        | No        |
| ET-UK20                       | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes       | Yes       | No        | No        |
| ET-CUK10/CUK10P*1             | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes       | Yes       | No        | No        |

|                               | PT-RZ120 | PT-RZ970 | PT-RW930 | PT-RX110 | PT-RZ870 | PT-RZ770 | PT-RW730 | PT-RZ660 | PT-RW620 | PT-DZ870 | PT-DZ780 | PT-DW750 | PT-DX820 |
|-------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Geometric Adjustment          | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      | Yes      |
| Geometry Manager Pro Software | Yes      | Yes      | No       | No       | Yes      | Yes      | No       | Yes      | No       | Yes      | Yes      | No       | No       |
| ET-UK20                       | Yes      | Yes      | No       | No       | Yes      | Yes      | No       | Yes      | No       | Yes      | Yes      | No       | No       |
| ET-CUK10/CUK10P*1             | Yes      | Yes      | No       | No       | Yes      | Yes      | No       | Yes      | No       | Yes      | Yes      | No       | No       |

\*1: A firmware update is required to use these functions. Availability varies depending on the country. For more information, please contact the sales company in your region.  
Note: The PT-DW830 and PT-DX100, does not support Geometric Adjustment feature and upgrade kits.



For downloading/activating the software and optional upgrade kits

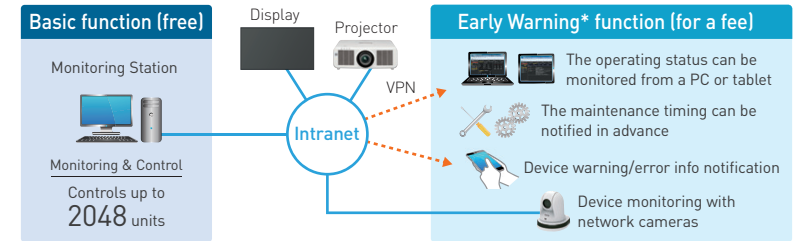
### PASS (Projector & Professional Display Asset Support System)

Providing comprehensive support for all Panasonic projector and professional display owners and people who are interested in those products.

# Multi Monitoring & Control Software

## SOFTWARE

This free Panasonic software offers monitoring and control of up to 2,048 projectors and professional displays over a LAN network from a single PC to simplify management and maintenance while supporting stable operation. If you also purchase Early Warning Functions license, it will monitor the status of projectors and displays on the intranet and inform you of errors when it detects signs of trouble. This contributes to a lighter maintenance load and reduces costs.



\* Software function support varies by model.  
\* Multi Monitoring & Control Software Ver.2.0 or higher is required to use the Early Warning function.

### Features

#### • Map Display

Image files, such as floor plans, can be loaded, and the icon for each device can be positioned by 'Drag & Drop'.



#### • Auto Search of the Devices to Be Registered

You can select the devices to be registered from devices automatically searched on the network.<sup>1</sup>

#### • Other Features

- Monitoring of the status of each device<sup>2</sup>
- Execution of control commands
- Scheduling function
- Delivery of the contents list<sup>3</sup>

### Early Warning Function (ET-SWA100)

#### Maintenance Scheduling Suggestion<sup>3</sup>

It is easier to plan for maintenance by predicting the approximate time for maintenance and service based on the usage monitoring.

#### Video Stop Detection Using a Network Camera

Images of registered projectors or displays can be monitored regularly by a supported network camera<sup>4</sup>. You can also receive a notification when an abnormality such as a blackout or an image freeze happens.

If you install 'Multi Monitoring & Control Software,' a free 90-day trial is automatically available.



\*1: Some devices can't be registered using the auto search function depending on the device status and network environment.  
\*2: Software functionality varies depending on the model. \*3: Function for supported projectors and professional displays only.  
\*4: Panasonic Network camera (BB-S/DG-S/WV-S series), Panasonic PTZ camera (AW-UE70/HE40/HE130 series).

### Utility Software can be downloaded from PASS



- Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)
- Geometry Manager Pro and Upgrade Kit (ET-UK20)
- Early Warning Software (ET-SWA100 Series)

For more information, please visit the PASS system >>> [panasonic.net/cns/projector/pass/](http://panasonic.net/cns/projector/pass/)