

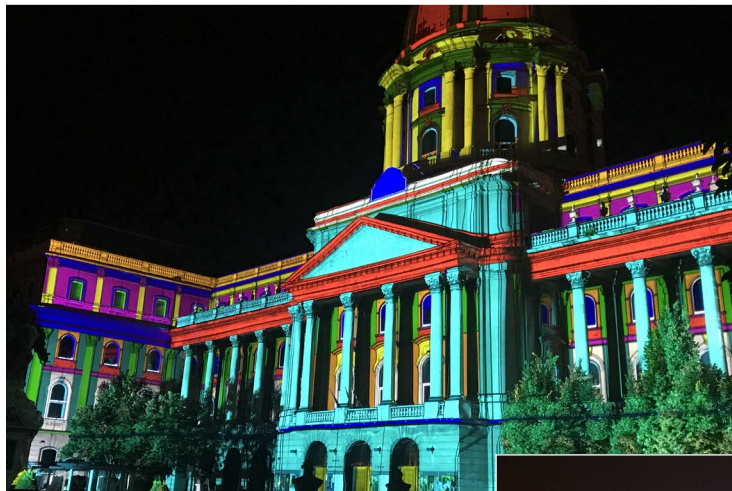
Panasonic

BUSINESS



PROJECTORS

Line-up Catalog February 2018



Worldwide
Olympic Partner



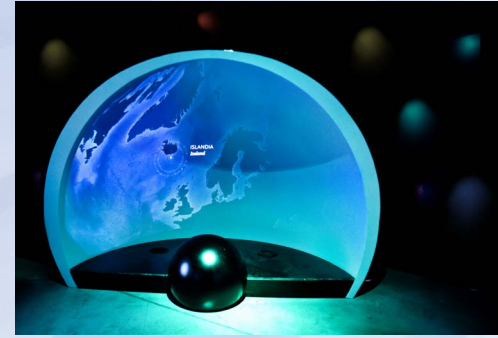
Worldwide
Paralympic Partner



Panasonic projectors at work in a variety of fields and locations



Projection mapping makes a splash for FINA, Hungary, PT-RZ31K



Bring science to life at Hydropolis in Wroclaw, Poland, PT-DZ680



The festival of lights Lyon, France, PT-RZ31K

Events / Rental Staging



Superior picture quality and reliability for large-scale projection.



Museum / Exhibition

High brightness, high resolution, and precise colors provide an impressive viewing experience.



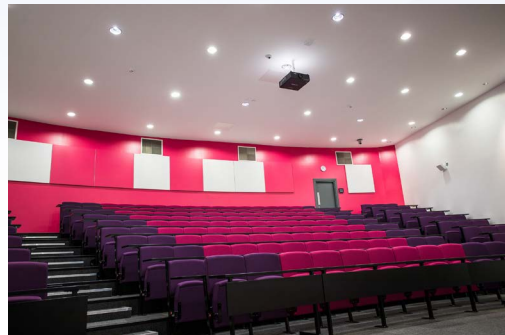
Gallery Invasion, Belgium, PT-VZ570

CASE STUDIES

Education / Training



A wide line-up of projectors match your installation location and type of use.



Loughborough University, United Kingdom, PT-DZ780



Huddersfield University, United Kingdom, PT-RZ370



Theme Park

Versatile functions and flexible installation features enable mounting in various locations.



A technology partnership at Comics Station Antwerp / Belgium
22x PT-RZ660/ PT-RZ770/ PT-RZ970

Panasonic Projectors product line-up

SOLID SHINE Series

Large-Venue	Short Throw
Installation	Space Player
Portable	

30,000 lm



● PT-RQ32K
SOLID SHINE LASER DLP 4K PROFESSIONAL



● PT-RZ31K Series
SOLID SHINE LASER DLP



● PT-RZ21K Series
SOLID SHINE LASER DLP **NEW**

20,000 lm



● PT-RQ13K
SOLID SHINE LASER DLP 4K PROFESSIONAL



● PT-RZ12K Series
SOLID SHINE LASER DLP



● PT-RZ970 Series
SOLID SHINE LASER DLP

10,000 lm



● PT-RZ770 Series
SOLID SHINE LASER DLP



● PT-RZ660 Series
SOLID SHINE LASER DLP



● PT-MZ670 Series
SOLID SHINE LASER DLP **NEW**

5,000 lm



● PT-RZ570 Series
SOLID SHINE LASER DLP




● PT-RZ470 Series
SOLID SHINE LASER DLP




● PT-RZ370 Series
SOLID SHINE LASER DLP

3,000 lm



● PT-JX200
SOLID SHINE LASER DLP



● PT-JW130
SOLID SHINE LASER DLP



● PT-DZ21K2 Series
DLP



● PT-DZ13K Series
DLP



● PT-EX16K



● PT-EX12K



● PT-DZ870 Series
DLP



● PT-DZ780 Series
DLP



● PT-EZ770 Series



● PT-EZ590 Series



● PT-FZ570 Series



● PT-VZ580 Series



● PT-VZ470



● PT-VW350 Series



● PT-LB423 Series



● PT-TW350 Series

Large-Venue

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Optical	<p>Panel type 22.9 mm (0.9 inches) DLP™ chip x 3 16:10</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diodes</p> <p>Light source life*1 18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)</p> <p>Brightness 27,000 lm (Center)⁷ / 26,000 lm (HIGH)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 4K+ (5,120 x 3,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)⁸</p> <p>Lens shift*4 Vertical: ±59%⁹, horizontal: ±29%⁹ (powered)</p>	<p>Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 16:10</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diodes</p> <p>Light source life*1 18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)</p> <p>Brightness 31,000 lm (Center)⁷ / 30,000 lm (HIGH)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)⁸</p> <p>Lens shift*4 Vertical: ±55%¹⁴, horizontal: ±20%¹⁴ (powered)</p>	<p>Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 4:3</p> <p>Aspect ratio 4:3</p> <p>Light source Laser diodes</p> <p>Light source life*1 18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)</p> <p>Brightness 31,000 lm (Center)⁷ / 30,000 lm (HIGH)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 SXGA+ (1,400 x 1,050)/WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)⁸</p> <p>Lens shift*4 Vertical: ±50%¹⁵, horizontal: ±30%¹⁵ (powered)</p>	<p>Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 16:10</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diodes</p> <p>Light source life*1 20,000 hours [NORMAL]/ 24,000 hours [ECO]</p> <p>Brightness 21,000 lm (Center)⁷ / 20,000 lm (NORMAL)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)⁸</p> <p>Lens shift*4 Vertical: ±55%¹⁴, horizontal: ±20%¹⁴ (powered)</p>	<p>Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 4:3</p> <p>Aspect ratio 4:3</p> <p>Light source Laser diodes</p> <p>Light source life*1 20,000 hours [NORMAL]/ 24,000 hours [ECO]</p> <p>Brightness 21,000 lm (Center)⁷ / 20,000 lm (NORMAL)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 SXGA+ (1,400 x 1,050)/WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)⁸</p> <p>Lens shift*4 Vertical: ±50%¹⁵, horizontal: ±30%¹⁵ (powered)</p>
Interface	<p>Terminals SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 4)] SYNC in/out [BNC x 1 (3D timing signal)] SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, max 900 mA) x 2)]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] HDMI out [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] DVI-D out [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out / MULTI PROJECTOR SYNC in [BNC x 1] 3D SYNC out / MULTI PROJECTOR SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, max 900 mA) x 2)]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] HDMI out [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] DVI-D out [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out / MULTI PROJECTOR SYNC in [BNC x 1] 3D SYNC out / MULTI PROJECTOR SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, max 900 mA) x 2)]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] HDMI out [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] DVI-D out [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr/YC/Video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out / MULTI PROJECTOR SYNC in [BNC x 1] 3D SYNC out / MULTI PROJECTOR SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, total of 2 A) x 2)]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] HDMI out [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] DVI-D out [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr/YC/Video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out / MULTI PROJECTOR SYNC in [BNC x 1] 3D SYNC out / MULTI PROJECTOR SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, total of 2 A) x 2)]</p>
General	<p>Power supply 100-240 V AC, 50/60 Hz¹⁰</p> <p>Power consumption 2,950 W</p> <p>BTU value Max. 10,079 BTU</p> <p>Operation noise 49 dB</p> <p>Dimensions (W x H x D) 700 x 418¹¹ x 1,070 mm¹² (27-9/16 x 16-15/32¹¹ x 42-1/8 inches)¹²</p> <p>Weight*5 Approx. 83 kg/183 lbs</p>	<p>Power supply 100-240 V AC, 50/60 Hz¹⁰</p> <p>Power consumption 2,870 W</p> <p>BTU value Max. 9,806 BTU</p> <p>Operation noise 49 dB</p> <p>Dimensions (W x H x D) 700 x 418¹¹ x 1,070 mm¹² (27-9/16 x 16-15/32¹¹ x 42-1/8 inches)¹²</p> <p>Weight*5 Approx. 79.0 kg/174 lbs</p>	<p>Power supply 100-240 V AC, 50/60 Hz¹⁰</p> <p>Power consumption 2,870 W</p> <p>BTU value Max. 9,806 BTU</p> <p>Operation noise 49 dB</p> <p>Dimensions (W x H x D) 700 x 418¹¹ x 1,070 mm¹² (27-9/16 x 16-15/32¹¹ x 42-1/8 inches)¹²</p> <p>Weight*5 Approx. 79.0 kg/174 lbs</p>	<p>Power supply 100-120 V, 200-240 V AC, 50/60 Hz</p> <p>Power consumption 1,510 W</p> <p>BTU value Max. 5,159 BTU</p> <p>Operation noise 46 dB</p> <p>Dimensions (W x H x D) 598 x 270¹¹ x 725 mm¹² (23-17/32 x 10-5/8¹¹ x 28-17/32 inches)¹²</p> <p>Weight*5 Approx. 49.0 kg/108 lbs</p>	<p>Power supply 100-120 V, 200-240 V AC, 50/60 Hz</p> <p>Power consumption 1,510 W</p> <p>BTU value Max. 5,159 BTU</p> <p>Operation noise 46 dB</p> <p>Dimensions (W x H x D) 598 x 270¹¹ x 725 mm¹² (23-17/32 x 10-5/8¹¹ x 28-17/32 inches)¹²</p> <p>Weight*5 Approx. 49.0 kg/108 lbs</p>
Features	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5+</p> <p>P-in-P -</p> <p>Backup Input Yes</p>	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>	<p>Filter Filter-free</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>	<p>Filter Filter-free</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>
Accessory	<p>Optional accessories ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MSK10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade Kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-PLF10 (Lens Fixed Attachment) ET-MDNV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)</p>	<p>Optional accessories ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MSK10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-PLF10 (Lens Fixed Attachment) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade Kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)</p>	<p>Optional accessories ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MSK10 (Stepping Motor Kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade Kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)</p>	<p>Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MSK10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)</p>	<p>Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MSK10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)</p>
Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM ¹³	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM ¹³	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM ¹³	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM ¹⁶	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM ¹⁶

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *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 inches) with the ET-D75LE8. 3.05-15.24 m (120-600 inches) with the ET-D75LE9. *9: Vertical ±56% and horizontal ±19% with the ET-D75LE6. *10: Brightness restricted with voltage lower than 200 V. *11: Height; with legs at shortest position. *12: Depth; protruding parts not included. *13: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software. *14: Vertical: ±44% and horizontal: ±15% with the ET-D75LE6. *15: Vertical: ±40% and horizontal: ±20% with the ET-D75LE6. *16: CD-ROM includes an Operation Manual.

Large-Venue

PT-RQ13K



3-Chip DLP™ Projector
10,000 lm | 4K+*6 | Geo. Pro

* Lens sold separately.

PT-RZ12K



3-Chip DLP™ Projector
12,000 lm | WUXGA | Geo. Pro

* Lens sold separately.

PT-RS11K



3-Chip DLP™ Projector
12,000 lm | SXGA+ | Geo. Pro

* Lens sold separately.

Optical	<p>Panel type 22.9 mm (0.9 inches) DLP™ chip x 3 16:10</p> <p>Light source/Lamp Laser diodes</p> <p>Light source*1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)</p> <p>Brightness 10,000 lm</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 4K+ (5,120 x 3,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7</p> <p>Lens shift*4 Vertical: ±59%*8, horizontal: ±29%*8 (powered)</p>	<p>Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 16:10</p> <p>Light source/Lamp Laser diodes</p> <p>Light source*1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)</p> <p>Brightness 12,000 lm</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7</p> <p>Lens shift*4 Vertical: ±55%*12, horizontal: ±20%*12 (powered)</p>	<p>Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 4:3</p> <p>Light source/Lamp Laser diodes</p> <p>Light source*1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)</p> <p>Brightness 12,000 lm</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 SXGA+ (1,400 x 1,050)/WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7</p> <p>Lens shift*4 Vertical: ±50%*13, horizontal: ±30%*13 (powered)</p>
Interface	<p>Terminals SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 4)] FRAME SYNC in/out [BNC x 1 (Frame-synchronizing timing signal)] FRAME SYNC out [BNC x 1 (Frame-synchronizing timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] Optional board slot [Slot x 2]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p>	<p>Terminals SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pa/Pb/Y/Ca/Cr x 1)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p>
General	<p>Power supply 100-240 V AC, 50/60 Hz</p> <p>Power consumption 1,270 W</p> <p>BTU value Max. 4,334 BTU</p> <p>Operation noise 43 dB</p> <p>Dimensions (W x H x D) 578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10</p> <p>Weight*5 Approx. 49 kg/108 lbs</p>	<p>Power supply 100-240 V AC, 50/60 Hz</p> <p>Power consumption 1,200 W</p> <p>BTU value Max 4,096 BTU</p> <p>Operation noise 43 dB</p> <p>Dimensions (W x H x D) 578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10</p> <p>Weight*5 Approx. 44.0 kg/97 lbs</p>	<p>Power supply 100-240 V AC, 50/60 Hz</p> <p>Power consumption 1,200 W</p> <p>BTU value Max 4,096 BTU</p> <p>Operation noise 43 dB</p> <p>Dimensions (W x H x D) 578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10</p> <p>Weight*5 Approx. 44.0 kg/97 lbs</p>
Features	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5+</p> <p>P-in-P -</p> <p>Backup Input Yes</p>	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>	<p>Filter Eco Filter</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Multi-Unit Brightness Control Yes</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 5</p> <p>P-in-P Yes</p> <p>Backup Input Yes</p>
Accessory	<p>Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-PLF10 (Lens Fixed Attachment) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)</p>	<p>Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-PLF10 (Lens Fixed Attachment)</p>	<p>Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-PLF10 (Lens Fixed Attachment)</p>
Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens.

SOFTWARE Handy OPERATION App

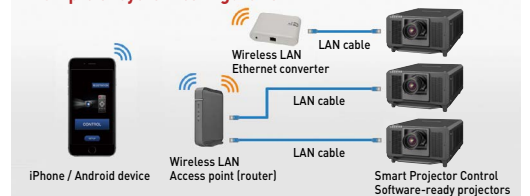
For iOS For Android

Smart Projector Control

Supported projector: PT-RQ32K/RZ31K/RS30K, PT-RZ21K/RS20K and PT-M2670/M2570/MW630/MW530

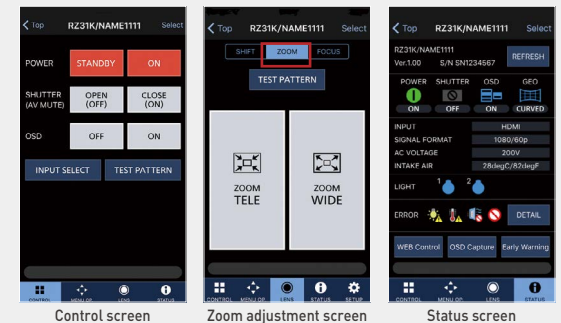
Smart Projector Control is an application for a smartphone that enables the operation of Panasonic projectors. By installing Smart Projector Control in your iPhone or Android device and connecting the device via wireless LAN (Wi-Fi) to a network connected with Panasonic projectors, you can operate the projectors and check their status using your iPhone or Android device.

Example of system configuration



Advantages

- Basic, frequently used operations, such as turning the power ON/OFF and adjusting the lens, can be done just like using a remote control.
- Multiple projectors* can be operated simultaneously, and the status of a selected projector can be checked.
* Up to 64 projectors can be registered.
- A detailed screen of projectors registered in Early Warning Software can be displayed.



This application can be downloaded for free from the App Store (iOS version) or Google Play (Android version).

For more information about Smart Projector Control, please visit the website.
panasonic.net/cns/projector/download/application/smartpj/



Large-Venue

	PT-DZ21K2	PT-DS20K2	PT-DW17K2	PT-DZ16K2
	 <p>3-Chip DLP™ Projector 20,000 lm WUXGA Geo.Pro Portrait * Lens sold separately.</p>	 <p>3-Chip DLP™ Projector 20,000 lm SXGA+ Geo.Pro Portrait * Lens sold separately.</p>	 <p>3-Chip DLP™ Projector 17,000 lm WXGA Geo.Pro Portrait * Lens sold separately.</p>	 <p>3-Chip DLP™ Projector 16,000 lm Full HD Geo.Pro Portrait * Lens sold separately.</p>
Optical	Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 Aspect ratio 16:10 Light source/Lamp 432 W UHM x 4 Lamp life*1 3,000 hours (QUAD)/6,000 hours (DUAL) Brightness 20,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±55%*8, horizontal: ±20%*8 (powered)	Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 Aspect ratio 4:3 Light source/Lamp 432 W UHM x 4 Lamp life*1 3,000 hours (QUAD)/6,000 hours (DUAL) Brightness 20,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 SXGA+ (1,400 x 1,050)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±50%*11, horizontal: ±30%*11 (powered)	Panel type 21.6 mm (0.85 inches) DLP™ chip x 3 Aspect ratio 16:9 Light source/Lamp 432 W UHM x 4 Lamp life*1 3,000 hours (QUAD)/6,000 hours (DUAL) Brightness 17,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WXGA (1,366 x 768)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±70%*12, horizontal: ±30%*12 (powered)	Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 Aspect ratio 16:9 Light source/Lamp 432 W UHM x 4 Lamp life*1 3,000 hours (QUAD)/6,000 hours (DUAL) Brightness 16,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 Full HD (1,920 x 1,080)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±60%*13, horizontal: ±20%*13 (powered)
Interface	SDI in [BNC x 2 (3G/HD/SD-SDI x 2)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 2 (3G/HD/SD-SDI x 2)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
General	Power supply 200-240 V AC, 50/60 Hz Power consumption 2,060 W BTU value Max. 7,031 BTU Operation noise 46 dB Dimensions (W x H x D) 620 x 291 ⁹ x 800 mm ¹⁰ (24-13/32 x 11-15/32 ⁹ x 31-1/2 inches) ¹⁰ Weight*5 Approx. 41.0 kg/90.4 lbs	Power supply 200-240 V AC, 50/60 Hz Power consumption 2,060 W BTU value Max. 7,031 BTU Operation noise 46 dB Dimensions (W x H x D) 620 x 291 ⁹ x 800 mm ¹⁰ (24-13/32 x 11-15/32 ⁹ x 31-1/2 inches) ¹⁰ Weight*5 Approx. 41.0 kg/90.4 lbs	Power supply 200-240 V AC, 50/60 Hz Power consumption 2,060 W BTU value Max. 7,031 BTU Operation noise 46 dB Dimensions (W x H x D) 620 x 291 ⁹ x 800 mm ¹⁰ (24-13/32 x 11-15/32 ⁹ x 31-1/2 inches) ¹⁰ Weight*5 Approx. 41.0 kg/90.4 lbs	Power supply 200-240 V AC, 50/60 Hz Power consumption 2,060 W BTU value Max. 7,031 BTU Operation noise 46 dB Dimensions (W x H x D) 620 x 291 ⁹ x 800 mm ¹⁰ (24-13/32 x 11-15/32 ⁹ x 31-1/2 inches) ¹⁰ Weight*5 Approx. 41.0 kg/90.4 lbs
Features	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Multi-Unit Brightness Control Yes Portrait mode Yes ¹³ Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Multi-Unit Brightness Control Yes Portrait mode Yes ¹³ Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes Multi-Unit Brightness Control Yes Portrait mode Yes ¹³ Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes Multi-Unit Brightness Control Yes Portrait mode - Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes
Accessory	Replacement lamp ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode) Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	Replacement lamp ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode) Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	Replacement lamp ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode) Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	Replacement lamp ET-LAD520/ET-LAD520F Optional accessories ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *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 inches) with the ET-D75LE8. 3.05-15.24 m (120-600 inches) with the ET-D75LE9. *8: Vertical ±44% and horizontal ±15% with the ET-D75LE6. *9: Height; with legs at shortest position. *10: Depth; lens not included. *11: Vertical ±40% and horizontal ±20% with the ET-D75LE6. *12: Vertical ±60% and horizontal ±20% with the ET-D75LE6. *13: Vertical ±50% and horizontal ±15% with the ET-D75LE6.

Large-Venue



	PT-DZ13K	PT-DS12K	PT-DW11K	PT-DZ10K
Optical	Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 Aspect ratio 16:10 Lamp 380 W UHM x 2 Lamp Life*1 3,500 hours (MIDDLE)/4,000 hours (ECO) Brightness 12,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±55 % ⁸ , horizontal: ±20 % ⁸ (powered)	Panel type 24.1 mm (0.95 inches) DLP™ chip x 3 Aspect ratio 4:3 Lamp 380 W UHM x 2 Lamp Life*1 3,500 hours (MIDDLE)/4,000 hours (ECO) Brightness 12,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 SXGA+ (1,400 x 1,050)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±50 % ¹¹ , horizontal: ±30 % ¹¹ (powered)	Panel type 21.6 mm (0.85 inches) DLP™ chip x 3 Aspect ratio 16:9 Lamp 380 W UHM x 2 Lamp Life*1 3,500 hours (MIDDLE)/4,000 hours (ECO) Brightness 11,000 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WXGA (1,366 x 768)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±70 % ¹² , horizontal: ±30 % ¹² (powered)	Panel type 24.4 mm (0.96 inches) DLP™ chip x 3 Aspect ratio 16:10 Lamp 355 W UHM x 2 Lamp Life*1 3,500 hours (NORMAL)/4,000 hours (ECO) Brightness 10,600 lm Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.78-25.4 m (70-1,000 inches)*7 Lens shift*4 Vertical: ±55 % ⁸ , horizontal: ±20 % ⁸ (powered)
Interface	Terminals SDI in [BNC x 2 (3G/HD)/SD-SDI x 1, HD/SD-SDI x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PaPr/YCaCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PaPr/YCaCr x 1)] Composite video in [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1]	Terminals SDI in [BNC x 2 (3G/HD)/SD-SDI x 1, HD/SD-SDI x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PaPr/YCaCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PaPr/YCaCr x 1)] Composite video in [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1]	Terminals 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PaPr/YCaCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PaPr/YCaCr x 1)] Composite video in [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1]	Terminals SDI in [BNC x 1 (3G/HD)/SD-SDI x 1] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PaPr/YCaCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PaPr/YCaCr x 1)] Composite video in [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1]
General	Power supply 120 V AC, 9.3 A, 50/60 Hz, 220-240 V AC, 5 A, 50/60 Hz Power consumption 1,000 W (120 V AC)/970 W (220-240 V AC) BTU value 120 V: 3,413 BTU / 220-240 V: 3,311 BTU Operation noise 45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO) Dimensions (W x H x D) 530 x 200 ⁹ x 548.5 mm ¹⁰ (20-7/8 x 7-7/8 ⁹ x 21-19/32 inches) ¹⁰ Weight*5 Approx. 24 kg/52.9 lbs	Power supply 120 V AC, 9.1 A, 50/60 Hz, 220-240 V AC, 4.8 A, 50/60 Hz Power consumption 980 W (120 V AC)/950 W (220-240 V AC) BTU value 120 V: 3,345 BTU / 220-240 V: 3,242 BTU Operation noise 45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO) Dimensions (W x H x D) 530 x 200 ⁹ x 548.5 mm ¹⁰ (20-7/8 x 7-7/8 ⁹ x 21-19/32 inches) ¹⁰ Weight*5 Approx. 24 kg/52.9 lbs	Power supply 120 V AC, 9.1 A, 50/60 Hz, 220-240 V AC, 4.8 A, 50/60 Hz Power consumption 980 W (120 V AC)/950 W (220-240 V AC) BTU value 120 V: 3,345 BTU / 220-240 V: 3,242 BTU Operation noise 45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO) Dimensions (W x H x D) 530 x 200 ⁹ x 548.5 mm ¹⁰ (20-7/8 x 7-7/8 ⁹ x 21-19/32 inches) ¹⁰ Weight*5 Approx. 24 kg/52.9 lbs	Power supply 120 V AC, 9 A, 50/60 Hz, 220-240 V AC, 4.7 A, 50/60 Hz Power consumption 925 W (120 V AC)/900 W (220-240 V AC) BTU value 120 V: 3,157 BTU / 220-240 V: 3,072 BTU Operation noise 43 dB (NORMAL)/37 dB (ECO) Dimensions (W x H x D) 530 x 200 ⁹ x 548.5 mm ¹⁰ (20-7/8 x 7-7/8 ⁹ x 21-19/32 inches) ¹⁰ Weight*5 Approx. 24 kg/52.9 lbs
Features	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Multi-Unit Brightness Control Yes Portrait mode Yes*6 Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Multi-Unit Brightness Control Yes Portrait mode Yes*6 Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment - Multi-Unit Brightness Control Yes Portrait mode Yes*6 Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes	Filter Eco Filter Edge Blending Yes Geometric Adjustment Yes Multi-Unit Brightness Control Yes Portrait mode Yes*6 Daylight View System Daylight View 2 Detail Clarity Processor Detail Clarity Processor 3 P-in-P Yes Backup Input Yes
Accessory	Replacement lamp ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode) Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Replacement lamp ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode) Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Replacement lamp ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode) Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Replacement lamp ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode) Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) Optional lens Yes (please see the Optional Lenses page: P43) Standard accessories Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *5: Average value. Each product has an individual variable in weight. *6: Mounting the optional lamp unit for portrait mode and updating the projector's firmware to MAIN Ver. 2.00 or later are required.

*7: 1.78-15.24 m (70-600 inches) with the ET-D75LE8. 3.05-15.24 m (120-600 inches) with the ET-D75LE9. *8: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *9: Height: with lens at shortest position. *10: Depth: lens not included. *11: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. *12: Vertical ±60 % and horizontal ±20 % with the ET-D75LE6. *13: ET-UK20 is unavailable.

Large-Venue

PT-EX16K



LCD Projector
16,000 lm XGA Pure Color Control

* Lens sold separately.

PT-EX12K



LCD Projector
13,000 lm XGA Pure Color Control

* Lens sold separately.

	PT-EX16K	PT-EX12K		
Optical	Panel type	46 mm (1.8 inches) LCD x 3	46 mm (1.8 inches) LCD x 3	
	Aspect ratio	4:3	4:3	
	Lamp	380 W UHM x 4	380 W UHM x 2	
	Lamp Life*1	2,000 hours (NORMAL)/3,000 hours (ECO1, ECO2)	2,000 hours (NORMAL)/3,000 hours (ECO1, ECO2)	
	Brightness	16,000 lm	13,000 lm	
	Contrast (full on/full off)	2,500:1	4,000:1	
	Resolution native/maximum*2	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	
General	Screen size (diagonal)*3	1.02-15.24 m (40-600 inches)*6	1.02-15.24 m (40-600 inches)*6	
	Lens shift*4	Vertical: ±39%*7, horizontal: ±10%*7 (powered)	Vertical: ±39%*7, horizontal: ±10%*7 (powered)	
Interface	Terminals	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB in [D-sub HD 15-pin x 1 (RGB x 1)] RGB in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] S-Video in [Mini-DIN 4-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C x 1)] Serial out [D-sub 9-pin x 1 (RS-232C x 1)] Remote 1 in [M3 x 1] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-B x 1] Optional board slot [Slot x 2]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB in [D-sub HD 15-pin x 1 (RGB x 1)] RGB in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] S-Video in [Mini-DIN 4-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C x 1)] Serial out [D-sub 9-pin x 1 (RS-232C x 1)] Remote 1 in [M3 x 1] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-B x 1] Optional board slot [Slot x 2]	
	General	Power supply	200-240 V AC, 11 A, 50/60 Hz	100-240 V AC, 11 A, 50/60 Hz
		Power consumption	1,850 W	940 W
		BTU value	Max. 6,312 BTU	Max. 3,207 BTU
		Operation noise	51 dB (NORMAL, ECO2)/48 dB (ECO1)	42 dB (NORMAL, ECO2)/39 dB (ECO1)
		Dimensions (W x H x D)	650 x 349*8 x 815 mm*9 (25-19/32 x 13-3/4*8 x 32-3/32 inches)*9	538.5 x 268*8 x 757 mm*9 (21-3/16 x 10-9/16*8 x 29-13/16 inches)*9
	Features	Weight*5	Approx. 46.5 kg/102.5 lbs	Approx. 28 kg/61.7 lbs
		Filter	Pleated Air Filter	Eco Filter
		Edge Blending	Yes	Yes
		Geometric Adjustment	-	-
Multi-Unit Brightness Control		-	-	
Portrait mode		-	-	
Daylight View		-	-	
Detail Clarity Processor		-	-	
P-in-P		-	-	
Backup Input		-	-	
Accessory	Replacement lamp	ET-LAE16	ET-LAE12	
	Optional accessories	ET-PKE16H (High ceiling mount bracket) ET-PKE16S (Low ceiling mount bracket) ET-PKE16B (Bracket assembly) ET-MD16SD1 (HD-SDI/SD-SDI board) ET-SFE16 (Smoke cut filter unit) ET-RFE16 (Replacement filter unit)	ET-PKE16H (High ceiling mount bracket) ET-PKE16S (Low ceiling mount bracket) ET-PKE12B (Bracket assembly) ET-MD16SD1 (HD-SDI/SD-SDI board) ET-RFE12 (Replacement filter unit)	
	Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	
	Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, computer cable, lens attachment, lens lock lever fixing bracket, lightshielding plate, spacer, cable tie, CD-ROM*10	Power cord, wireless/wired remote control unit, batteries for remote control unit, computer cable, lens attachment, lens lock lever fixing bracket, lightshielding plate, spacer, cable tie, CD-ROM*10	

MAKE YOUR AUDIENCE GO WILD.



RZ21K Series

The world's lightest and smallest 20,000lm laser projector that frees your creativity.

**MORE COLOUR • MORE COMPACT • MORE FLEXIBLE
MORE RELIABLE • MORE OF THE BEST.**

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *5: Average value. Each product has an individual variable in weight. *6: 2.54-15.24 m (100-600 inches) with the ET-ELS03. *7: Vertical ±39% with the ET-ELW06, and vertical ±50% and horizontal ±10% with ET-ELS02. *8: Height with legs at shortest position. *9: Depth: lens not included. *10: CD-ROM includes Logo Transfer Software, Multi Projector Monitoring and Control Software, and Real Color Manager Pro.

Installation



	PT-RZ970*6	PT-RW930*6	PT-RX110*6	PT-RZ770*6	PT-RW730*6
Optical	Panel type 17.0 mm (0.67 inches) DLP™ chip x 1 16:10 Light source Laser diode Light source life *1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3) Brightness 10,000 lm (Center) ⁷ / 9,400 lm Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ970) Contrast (full on/full off) 10,000:1 Resolution native/maximum *2 WUXGA (1,920 x 1,200) Screen size (diagonal) *3 1.27-15.24 m (50-600 inches) ⁸ Lens shift *4 Vertical: +50 %/-16 %, horizontal: +30 % ⁹ /-10 % (powered)	Panel type 16.5 mm (0.65 inches) DLP™ chip x 1 16:10 Light source Laser diode Light source life *1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3) Brightness 10,000 lm (Center) ⁷ / 9,400 lm Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW930) Contrast (full on/full off) 10,000:1 Resolution native/maximum *2 WXGA (1,280 x 800)/WUXGA (1,920 x 1,200) Screen size (diagonal) *3 1.27-15.24 m (50-600 inches) ⁸ Lens shift *4 Vertical: +50 %/-16 %, horizontal: +30 % ⁹ /-10 % (powered)	Panel type 17.8 mm (0.7 inches) DLP™ chip x 1 4:3 Light source Laser diode Light source life *1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3) Brightness 10,400 lm (Center) ⁷ / 10,000 lm Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RX110) Contrast (full on/full off) 10,000:1 Resolution native/maximum *2 XGA (1,024 x 768)/WUXGA (1,920 x 1,200) Screen size (diagonal) *3 1.27-15.24 m (50-600 inches) ⁸ Lens shift *4 Vertical: +50 %/-13 % ¹³ , horizontal: +30 % ⁹ /-10 % (powered)	Panel type 17.0 mm (0.67 inches) DLP™ chip x 1 16:10 Light source Laser diode Light source life *1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3) Brightness 7,200 lm (Center) ⁷ / 7,000 lm Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ770) Contrast (full on/full off) 10,000:1 Resolution native/maximum *2 WUXGA (1,920 x 1,200) Screen size (diagonal) *3 1.27-15.24 m (50-600 inches) ⁸ Lens shift *4 Vertical: +50 %/-16 %, horizontal: +30 % ⁹ /-10 % (powered)	Panel type 16.5 mm (0.65 inches) DLP™ chip x 1 16:10 Light source Laser diode Light source life *1 20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3) Brightness 7,200 lm (Center) ⁷ / 7,000 lm Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW730) Contrast (full on/full off) 10,000:1 Resolution native/maximum *2 WXGA (1,280 x 800)/WUXGA (1,920 x 1,200) Screen size (diagonal) *3 1.27-15.24 m (50-600 inches) ⁸ Lens shift *4 Vertical: +60 %/-16 %, horizontal: +30 % ⁹ /-10 % (powered)
Interface	Terminals SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	Terminals HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	Terminals HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	Terminals SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	Terminals HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
General	Power supply 100-240 V AC, 10.4-5.0 A, 50/60 Hz Power consumption 1,050 W BTU value Max. 3,584 BTU Operation noise 41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2) Dimensions (W x H x D) 498 x 200 ¹⁰ x 581 mm ¹¹ (19-19/32 x 7-7/8 ¹⁰ x 22-7/8 inches) ¹¹ Weight *5 Approx. 23.2 kg/51.1 lbs (PT-RZ970L: approx. 22.4 kg/49.4 lbs)	Power supply 100-240 V AC, 10.4-5.0 A, 50/60 Hz Power consumption 1,050 W BTU value Max. 3,584 BTU Operation noise 41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2) Dimensions (W x H x D) 498 x 200 ¹⁰ x 581 mm ¹¹ (19-19/32 x 7-7/8 ¹⁰ x 22-7/8 inches) ¹¹ Weight *5 Approx. 23.2 kg/51.1 lbs (PT-RW930L: approx. 22.4 kg/49.4 lbs)	Power supply 100-240 V AC, 10.4-5.0 A, 50/60 Hz Power consumption 1,050 W BTU value Max. 3,584 BTU Operation noise 41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2) Dimensions (W x H x D) 498 x 200 ¹⁰ x 581 mm ¹¹ (19-19/32 x 7-7/8 ¹⁰ x 22-7/8 inches) ¹¹ Weight *5 Approx. 23.2 kg/51.1 lbs (PT-RX110L: approx. 22.4 kg/49.4 lbs)	Power supply 100-240 V AC, 8.3-3.3 A, 50/60 Hz Power consumption 825 W BTU value Max. 2,815 BTU Operation noise 36 dB Dimensions (W x H x D) 498 x 200 ¹⁰ x 581 mm ¹¹ (19-19/32 x 7-7/8 ¹⁰ x 22-7/8 inches) ¹¹ Weight *5 Approx. 23.2 kg/51.1 lbs (PT-RZ770L: approx. 22.4 kg/49.4 lbs)	Power supply 100-240 V AC, 8.3-3.3 A, 50/60 Hz Power consumption 825 W BTU value Max. 2,815 BTU Operation noise 36 dB Dimensions (W x H x D) 498 x 200 ¹⁰ x 581 mm ¹¹ (19-19/32 x 7-7/8 ¹⁰ x 22-7/8 inches) ¹¹ Weight *5 Approx. 23.2 kg/51.1 lbs (PT-RW730L: approx. 22.4 kg/49.4 lbs)
Features	Filter Filter-free Maintenance-free duration 20,000 hours*1 Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Portrait mode Yes (360-degree free installation capability) Contrast Sync and Shutter Sync Yes Daylight View System Daylight View 3 Detail Clarity Processor Detail Clarity Processor 3 DICOM Simulation Mode Yes P-in-P Yes	Filter Filter-free Maintenance-free duration 20,000 hours*1 Edge Blending Yes Geometric Adjustment Yes Portrait mode Yes (360-degree free installation capability) Contrast Sync and Shutter Sync Yes Daylight View System Daylight View 3 Detail Clarity Processor Detail Clarity Processor 3 DICOM Simulation Mode Yes P-in-P Yes	Filter Filter-free Maintenance-free duration 20,000 hours*1 Edge Blending Yes Geometric Adjustment Yes Portrait mode Yes (360-degree free installation capability) Contrast Sync and Shutter Sync Yes Daylight View System Daylight View 3 Detail Clarity Processor Detail Clarity Processor 3 DICOM Simulation Mode Yes P-in-P Yes	Filter Filter-free Maintenance-free duration 20,000 hours*1 Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Portrait mode Yes (360-degree free installation capability) Contrast Sync and Shutter Sync Yes Daylight View System Daylight View 3 Detail Clarity Processor Detail Clarity Processor 3 DICOM Simulation Mode Yes P-in-P Yes	Filter Filter-free Maintenance-free duration 20,000 hours*1 Edge Blending Yes Geometric Adjustment Yes (Optional upgrade kit available) Portrait mode Yes (360-degree free installation capability) Contrast Sync and Shutter Sync Yes Daylight View System Daylight View 3 Detail Clarity Processor Detail Clarity Processor 3 DICOM Simulation Mode Yes P-in-P Yes
Accessory	Optional accessories ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) Optional lens Yes (please see the Optional Lenses page: P45) Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Optional accessories ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) Optional lens Yes (please see the Optional Lenses page: P45) Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Optional accessories ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) Optional lens Yes (please see the Optional Lenses page: P45) Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Optional accessories ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) Optional lens Yes (please see the Optional Lenses page: P45) Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Optional accessories ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) Optional lens Yes (please see the Optional Lenses page: P45) Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used with a fixed-focus lens. *5: Average value. Each product has an individual variable in weight.

*6: Also available as lens-less model. *7: Luminance measured at center of screen. *8: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-7.62 m (100-350 inches) with the ET-DLE030. *9: Horizontal +28% with the ET-DLE085. *10: Height with legs at shortest position. *11: Depth: including the supplied lens. Depth: 538 mm (21-3/16 inches) for the lens-less models. *12: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software. *13: Vertical +45 %/-13 % with the ET-DLE085.

Installation

	PT-RZ660*6	PT-RW620*6	PT-RZ570	PT-RZ575
	 <p>1-Chip DLP™ Projector 6,200 lm (Center)⁷/6,000 lm WUXGA Geo. Pro</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 6,200 lm (Center)⁷/6,000 lm WUXGA</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 5,400 lm (Center)⁷/5,200 lm WUXGA</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 5,200 lm (Center)⁷/5,000 lm WUXGA</p>
Optical	<p>Panel type 17.0 mm (0.67 inches) DLP™ chip x 1</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diode</p> <p>Light source life*1 20,000 hours (NORMAL)/24,000 hours (ECO)/43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/87,000 hours (LONG LIFE3)</p> <p>Brightness 6,200 lm (Center)⁷ / 6,000 lm</p> <p>Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ660)</p> <p>Contrast (full on/full off) 10,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.27-15.24 m (50-600 inches)*8</p> <p>Lens shift*4 Vertical: +50 %/-16 %, horizontal: +30 %⁹/-10 % (powered)</p>	<p>Panel type 16.5 mm (0.65 inches) DLP™ chip x 1</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diode</p> <p>Light source life*1 20,000 hours (NORMAL)/24,000 hours (ECO)/43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/87,000 hours (LONG LIFE3)</p> <p>Brightness 6,200 lm (Center)⁷ / 6,000 lm</p> <p>Lens (throw ratio) F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW620)</p> <p>Contrast (full on/full off) 10,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,280 x 800)/WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.27-15.24 m (50-600 inches)*8</p> <p>Lens shift*4 Vertical: +60 %/-16 %, horizontal: +30 %⁹/-10 % (powered)</p>	<p>Panel type 17.0 mm (0.67 inches) DLP™ chip x 1</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diode</p> <p>Light source life*1 20,000 hours (NORMAL, SILENT)/24,000 hours (ECO)</p> <p>Brightness 5,400 lm (Center)⁷ / 5,200 lm</p> <p>Lens (throw ratio) F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.02-7.62 m (40-300 inches)</p> <p>Lens shift*4 Vertical: +64 %/-44 %, horizontal: +34 %⁹/-27 % (manual)</p>	<p>Panel type 17.0 mm (0.67 inches) DLP™ chip x 1</p> <p>Aspect ratio 16:10</p> <p>Light source Laser diode</p> <p>Light source life*1 20,000 hours (NORMAL, SILENT)/24,000 hours (ECO)/43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/87,000 hours (LONG LIFE3)</p> <p>Brightness 5,200 lm (Center)⁷ / 5,000 lm</p> <p>Lens (throw ratio) F 1.75, f 11.9 mm (0.8:1)</p> <p>Contrast (full on/full off) 20,000:1</p> <p>Resolution native/maximum*2 WUXGA (1,920 x 1,200)</p> <p>Screen size (diagonal)*3 1.02-7.62 m (40-300 inches)</p> <p>Lens shift*4 Vertical: ±4.4 %, horizontal: ±2.1 % (powered)</p>
Interface	<p>Terminals</p> <p>SDI in [BNC x 1 (3G/HD/SD-SDI x 1)]</p> <p>HDMI in [HDMI 19-pin x 1 (HDCP compatible)]</p> <p>DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]</p> <p>RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)]</p> <p>RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]</p> <p>Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)]</p> <p>Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)]</p> <p>Remote 1 in/out [M3 x 2 (in x 1, out x 1)]</p> <p>Remote 2 in [D-sub 9-pin x 1]</p> <p>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p>	<p>HDMI in [HDMI 19-pin x 1 (HDCP compatible)]</p> <p>DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]</p> <p>RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)]</p> <p>RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]</p> <p>Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)]</p> <p>Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)]</p> <p>Remote 1 in/out [M3 x 2 (in x 1, out x 1)]</p> <p>Remote 2 in [D-sub 9-pin x 1]</p> <p>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p>	<p>HDMI in [HDMI 19-pin x 2 (HDCP compatible)]</p> <p>DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]</p> <p>Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/YC x 1)]</p> <p>Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]</p> <p>Composite video in [Pin jack x 1]</p> <p>Audio in 1 [Pin jack x 2 (L x 1, R x 1)]</p> <p>Audio in 2/3 [M3 x 2 (L-R x 2)]</p> <p>Audio out [M3 x 1 (L-R x 1)]</p> <p>Serial in [D-sub 9-pin x 1 (RS-232C)]</p> <p>LAN [RJ-45 x 1]</p> <p>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p> <p>USB [USB type-A x 1]</p>	<p>HDMI in [HDMI 19-pin x 2 (HDCP compatible)]</p> <p>DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]</p> <p>Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/YC x 1)]</p> <p>Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]</p> <p>Composite video in [Pin jack x 1]</p> <p>Audio in 1 [Pin jack x 2 (L x 1, R x 1)]</p> <p>Audio in 2/3 [M3 x 2 (L-R x 2)]</p> <p>Audio out [M3 x 1 (L-R x 1)]</p> <p>Serial in [D-sub 9-pin x 1 (RS-232C)]</p> <p>LAN [RJ-45 x 1]</p> <p>LAN/DIGITAL LINK/Art-net [RJ-45 x 1]</p> <p>USB [USB type-A x 1]</p>
General	<p>Power supply 100-240 V AC, 7.1-2.8 A, 50/60 Hz</p> <p>Power consumption 700 W</p> <p>BTU value Max 2,389 BTU</p> <p>Operation noise 35 dB</p> <p>Dimensions (W x H x D) 498 x 200¹⁰ x 581 mm¹¹ (19-19/32 x 7-7/8¹⁰ x 22-7/8 inches)¹¹</p> <p>Weight*5 Approx. 23.1 kg/50.9 lbs (PT-RZ660L: approx. 22.3 kg/49.2 lbs)</p>	<p>100-240 V AC, 7.1-2.8 A, 50/60 Hz</p> <p>700 W</p> <p>Max 2,389 BTU</p> <p>35 dB</p> <p>498 x 200¹⁰ x 581 mm¹¹ (19-19/32 x 7-7/8¹⁰ x 22-7/8 inches)¹¹</p> <p>Approx. 23.1 kg/50.9 lbs (PT-RW620L: approx. 22.3 kg/49.2 lbs)</p>	<p>100-240 V AC, 5.9-2.3 A, 50/60 Hz</p> <p>500 W</p> <p>Max 1,706 BTU</p> <p>33 dB (NORMAL, ECO)/28 dB (SILENT)</p> <p>498 x 168¹⁰ x 492 mm (19-19/32 x 6-5/8¹⁰ x 19-3/8 inches)</p> <p>Approx. 16.3 kg/35.9 lbs</p>	<p>100-240 V AC, 5.9-2.3 A, 50/60 Hz</p> <p>500 W</p> <p>Max 1,706 BTU</p> <p>33 dB (NORMAL, ECO)/28 dB (SILENT)</p> <p>498 x 168¹⁰ x 481 mm (19-19/32 x 6-5/8¹⁰ x 18-15/16 inches)</p> <p>Approx. 16.6 kg/36.6 lbs</p>
Features	<p>Filter Filter-free</p> <p>Maintenance-free duration 20,000 hours*1</p> <p>Edge Blending Yes</p> <p>Geometric Adjustment Yes (Optional upgrade kit available)</p> <p>Portrait mode Yes (360-degree free installation capability)</p> <p>Contrast Sync and Shutter Sync Yes</p> <p>Daylight View System Daylight View 3</p> <p>Detail Clarity Processor Detail Clarity Processor 3</p> <p>DICOM Simulation Mode Yes</p> <p>P-in-P Yes</p>	<p>Filter-free</p> <p>20,000 hours*1</p> <p>Yes</p> <p>Yes (360-degree free installation capability)</p> <p>Yes</p> <p>System Daylight View 3</p> <p>Detail Clarity Processor 3</p> <p>Yes</p> <p>Yes</p>	<p>Filter-free</p> <p>20,000 hours*1</p> <p>Yes</p> <p>-</p> <p>Yes (360-degree free installation capability)</p> <p>Yes</p> <p>Daylight View Basic</p> <p>Detail Clarity Processor 3</p> <p>Yes</p> <p>Yes</p>	<p>Filter-free</p> <p>20,000 hours*1</p> <p>Yes</p> <p>-</p> <p>Yes (360-degree free installation capability)</p> <p>-</p> <p>Daylight View Basic</p> <p>Detail Clarity Processor 3</p> <p>Yes</p> <p>Yes</p>
Accessory	<p>Optional accessories</p> <p>ET-PKD130H (High ceiling mount bracket)</p> <p>ET-PKD120S (Low ceiling mount bracket)</p> <p>ET-PKD130B (Attachment for ceiling mount bracket)</p> <p>ET-YFB200G (DIGITAL LINK Switcher)</p> <p>ET-YFB100G (Digital Interface Box)</p> <p>ET-UK20 (Geometry Manager Pro Upgrade kit)</p> <p>ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)</p> <p>Optional lens Yes (please see the Optional Lenses page: P45)</p> <p>Standard accessories Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12</p>	<p>ET-PKD130H (High ceiling mount bracket)</p> <p>ET-PKD120S (Low ceiling mount bracket)</p> <p>ET-PKD130B (Attachment for ceiling mount bracket)</p> <p>ET-YFB200G (DIGITAL LINK Switcher)</p> <p>ET-YFB100G (Digital Interface Box)</p> <p>Yes (please see the Optional Lenses page: P45)</p> <p>Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12</p>	<p>ET-PKD120H (High ceiling mount bracket)</p> <p>ET-PKD120S (Low ceiling mount bracket)</p> <p>ET-PKD130B (Attachment for ceiling mount bracket)</p> <p>ET-YFB200G (DIGITAL LINK Switcher)</p> <p>ET-YFB100G (Digital Interface Box)</p> <p>-</p> <p>Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12</p>	<p>ET-PKD120H (High ceiling mount bracket)</p> <p>ET-PKD120S (Low ceiling mount bracket)</p> <p>ET-PKD130B (Attachment for ceiling mount bracket)</p> <p>ET-YFB200G (DIGITAL LINK Switcher)</p> <p>ET-YFB100G (Digital Interface Box)</p> <p>-</p> <p>Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12</p>

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used with a fixed-focus lens.

*5: Average value. Each product has an individual variable in weight. *6: Also available as lens-less model. *7: Luminance measured at center of screen. *8: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-7.62 m (100-350 inches) with the ET-DLE030. *9: Horizontal +28% with the ET-DLE085. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 538 mm (21-3/16 inches) for the lens-less models. *12: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

Installation

	PT-MZ670*6	PT-MZ570*6	PT-MW630*6	PT-MW530*6	
Optical	Panel type	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3
	Aspect ratio	16:10	16:10	16:10	16:10
	Light source	Laser diode	Laser diode	Laser diode	Laser diode
	Light source life*1	20,000 hours	20,000 hours	20,000 hours	20,000 hours
	Brightness	6,500 lm	5,500 lm	6,500 lm	5,500 lm
Interface	Lens (throw ratio)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ670)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ570)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW630)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW530)
	Contrast (full on/full off)	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
	Resolution native/maximum*2	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8
	Lens shift*4	Vertical: ±67%*9, horizontal: ±35% (powered)*9	Vertical: ±67%*9, horizontal: ±35% (powered)*9	Vertical: ±67%*9, horizontal: ±35% (powered)*9	Vertical: ±67%*9, horizontal: ±35% (powered)*9
General	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1]
	Power supply	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
	Power consumption	525 W	450 W	505 W	415 W
	BTU value	Max. 1,792 BTU	Max. 1,536 BTU	Max 1,724 BTU	Max 1,416 BTU
	Operation noise	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)
Features	Dimensions (W x H x D)	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11
	Weight*5	Approx. 16.9 kg/37.3 lbs (PT-MZ670L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MZ570L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MW630L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MW530L: approx. 16.1 kg/35.5 lbs)
	Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter
	Emulation	Yes	Yes	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
Accessory	DICOM Simulation Mode	Yes	Yes	Yes	Yes
	Corner Keystone	Yes	Yes	Yes	Yes
	P-in-P	-	-	-	-
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
	Audio Out During Standby	Yes	Yes	Yes	Yes
Accessory	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)
	Optional lenses	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)
	Standard accessories	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used with a fixed-focus lens.

*5: Average value. Each product has an individual variable in weight. *6: Also available as lens-less model. *7: The optional ET-WM300 Wireless Module is required. *8: 1.52-10.16 m (60-400 inches) with the ET-ELW22. *9: Vertical ±60% and horizontal ±30% with the ET-ELW22. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 428 mm (16-27/32 inches) for the lens-less models. *12: CD-ROM includes an Operation Manual.

Installation






PT-RZ475  1-Chip DLP™ Projector 3,000 lm Full HD	PT-RZ470  1-Chip DLP™ Projector 3,500 lm Full HD	PT-RW430  1-Chip DLP™ Projector 3,500 lm WXGA	PT-RZ370  1-Chip DLP™ Projector 3,500 lm Full HD	PT-RW330  1-Chip DLP™ Projector 3,500 lm WXGA
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Optical	Panel type	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1		
	Aspect ratio	16:9	16:9	16:9	16:9	16:10		
	Light source	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	
	Light source life*1	27,000 hours (NORMAL)/61,000 hours (ECO1)/87,000 hours (ECO2)	20,000 hours	20,000 hours	20,000 hours	20,000 hours	20,000 hours	
	Brightness	3,000 lm	3,500 lm	3,500 lm	3,500 lm	3,500 lm	3,500 lm	
	Lens (throw ratio)	F 1.8, f11.9 mm (0.8:1)	F 2.0-3.4, f21.5-43.0 mm (1.46-2.94:1)	F 2.0-3.4, f21.5-43.0 mm (1.53-3.09:1)	F 2.0-3.4, f21.5-43.0 mm (1.46-2.94:1)	F 2.0-3.4, f21.5-43.0 mm (1.53-3.09:1)	F 2.0-3.4, f21.5-43.0 mm (1.53-3.09:1)	
	Contrast (full on/full off)	20,000:1	20,000:1	20,000:1	20,000:1	10,000:1	10,000:1	
	Resolution native/maximum*2	Full HD (1,920 x 1,080)/WUXGA (1,920 x 1,200)	Full HD (1,920 x 1,080)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	Full HD (1,920 x 1,080)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	
Interface	Screen size (diagonal)*3	1.02-5.08 m (40-200 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)		
	Lens shift	Vertical: ±10 %, horizontal: ±3.4 % (manual)	Vertical: +73 %/-48 %, horizontal: +35 %/-27 % (manual)	Vertical: +69 %/-46 %, horizontal: +37 %/-28 % (manual)	Vertical: +73 %/-48 %, horizontal: +35 %/-27 % (manual)	Vertical: +69 %/-46 %, horizontal: +37 %/-28 % (manual)	Vertical: +69 %/-46 %, horizontal: +37 %/-28 % (manual)	
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1] (for 3D Transmitter connection)	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1] (for 3D Transmitter connection)	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1] (for 3D Transmitter connection)	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YPbPr/YCbCr x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]
	General	Power supply	100-240 V AC, 5.0-1.8 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	
		Power consumption	430 W (Normal/ECO1: 230 W, ECO2: 170 W)*5	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W)*5	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W)*5	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W)*5	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W)*5	
		BTU value	Max. 1,467 BTU	Max. 1,570 BTU	Max. 1,570 BTU	Max. 1,570 BTU	Max. 1,570 BTU	Max. 1,570 BTU
		Operation noise	35 dB (NORMAL)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)
	Features	Dimensions (W x H x D)	455 x 137 ⁶ x 409 mm ⁷ (17-29/32 x 5-13/32 ⁶ x 16-3/32 inches) ⁷	455 x 137 ⁶ x 415 mm ⁷ (17-29/32 x 5-13/32 ⁶ x 16-11/32 inches) ⁷	455 x 137 ⁶ x 415 mm ⁷ (17-29/32 x 5-13/32 ⁶ x 16-11/32 inches) ⁷	455 x 137 ⁶ x 415 mm ⁷ (17-29/32 x 5-13/32 ⁶ x 16-11/32 inches) ⁷	455 x 137 ⁶ x 415 mm ⁷ (17-29/32 x 5-13/32 ⁶ x 16-11/32 inches) ⁷	
Weight*4		Approx. 11.5 kg/25.4 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	
Filter		Filter-free	Filter-free	Filter-free	Filter-free	Filter-free	Filter-free	
Maintenance-free duration		3 years (Normal)*1	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1	
Edge Blending		Yes	Yes	Yes	-	-	-	
Emulation		Yes	Yes	Yes	Yes	Yes	Yes	
Daylight View		Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	
3D Ready		Yes	Yes	Yes	-	-	-	
Accessory	DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes		
	Portrait Mode	Yes	Yes	Yes	-	-		
	Audio Out During Standby	Yes	Yes	Yes	Yes	Yes		
	Optical accessories	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Standard accessories	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)		

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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: Input signals that exceed the native resolution will be converted to the native resolution.

*3: The screen size is that of the original aspect ratio. *4: Average value. Each product has an individual variable in weight. *5: In STANDARD/GRAPHIC picture mode. Measured based on the power consumption rate and a measurement method for the TV receiver. *6: Height: with legs at shortest position. *7: Depth: including the lens.

Installation

	PT-DZ870*6	PT-DW830*6	PT-DX100*6	PT-DZ780*6	PT-DW750*6	
	 <p>1-Chip DLP™ Projector 8,500 lm WUXGA Geo. Pro Portrait*7</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 8,500 lm WXGA Portrait*7</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 10,000 lm XGA Portrait*7</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 7,000 lm WUXGA Geo. Pro Portrait*7</p> <p>* Available in black/white cabinet.</p>	 <p>1-Chip DLP™ Projector 7,000 lm WXGA Portrait*7</p> <p>* Available in black/white cabinet.</p>	
Optical	Panel type	17.0 mm (0.67 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	17.8 mm (0.7 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1	
	Aspect ratio	16:10	16:10	4:3	16:10	
	Lamp	420 W UHM x 2	420 W UHM x 2	420 W UHM x 2	310 W UHM x 2	310 W UHM x 2
	Lamp life*1	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, ECO)	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, ECO)
	Brightness	8,500 lm	8,500 lm	10,000 lm	7,000 lm	7,000 lm
	Lens (throw ratio)	F 1.7-1.9, f25.6-35.7 mm (1.7-2.4:1) (PT-DZ870)	F 1.7-1.9, f25.6-35.7 mm (1.8-2.5:1) (PT-DW830)	F 1.7-1.9, f25.6-35.7 mm (1.8-2.5:1) (PT-DX100)	F 1.7-1.9, f25.6-35.7 mm (1.7-2.4:1) (PT-DZ780)	F 1.7-1.9, f25.6-35.7 mm (1.8-2.5:1) (PT-DW750)
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	3,000:1	3,000:1
	Resolution native/maximum*2	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,280 x 800)/WUXGA (1,920 x 1,200)
Interface	Screen size (diagonal)*3	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8
	Lens shift*4	Vertical: +50 %, horizontal: ±10 % (powered)	Vertical: +60 %, horizontal: ±10 % (powered)	Vertical: +50 %*12, horizontal: ±10 % (powered)	Vertical: +50 %/-16 %, horizontal: +30 %*13/-10 % (powered)	Vertical: +60 %/-16 %, horizontal: +30 %*13/-10 % (powered)
	Terminals	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [BNC x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [BNC x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [BNC x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPbPr/YCbCr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
	Power supply	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, 220-240 V AC, 4.5 A, 50/60 Hz	120 V AC, 7.5 A, 50/60 Hz, 220-240 V AC, 4.3 A, 50/60 Hz
	Power consumption	1,030 W	1,030 W	1,030 W	790 W (except Taiwan), 785 W (Taiwan)	790 W (except Taiwan), 785 W (Taiwan)
	BTU value	3,516 BTU	3,516 BTU	3,516 BTU	2,696 BTU	2,696 BTU
	Operation noise	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)
	Dimensions (W x H x D)	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 175*9 x 521 mm*14 (19-19/32 x 6-7/8*9 x 20-1/2 inches)*14	498 x 175*9 x 521 mm*14 (19-19/32 x 6-7/8*9 x 20-1/2 inches)*14
Weight*5	Approx. 18.3 kg/40.3 lbs (PT-DZ870L: approx. 17.6 kg/38.8 lbs)	Approx. 18.3 kg/40.3 lbs (PT-DW830L: approx. 17.6 kg/38.8 lbs)	Approx. 18.3 kg/40.3 lbs (PT-DX100L: approx. 17.6 kg/38.8 lbs)	Approx. 17.8 kg/39.2 lbs (PT-DZ780L: approx. 17 kg/37.5 lbs)	Approx. 17.8 kg/39.2 lbs (PT-DW750L: approx. 17 kg/37.5 lbs)	
Features	Filter	Filter-less	Filter-less	Filter-less	Filter-less	Filter-less
	Edge Blending	Yes	Yes	Yes	Yes	Yes
	Geometric Adjustment	Yes (Optional upgrade kit available)	-	-	Yes (Optional upgrade kit available)	Yes
	Portrait mode	Yes*7	Yes*7	Yes*7	-	-
	Dynamic RGB Booster	Yes	Yes	Yes	Yes	Yes
	Daylight View	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2
	Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
	DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
P-in-P	Yes	Yes	Yes	Yes	Yes	
Accessory	Replacement lamp	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD70/ET-LAD70W	ET-LAD70/ET-LAD70W
	Optional accessories	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Optional lens	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)
	Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used with a fixed-focus lens. *5: Average value. Each product has an individual variable in weight. *6: Also available as 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 inches) with the ET-DLE055. 2.54-8.89 m (100-350 inches) with the ET-DLE030. *9: Height: with legs at shortest position. *10: Depth: including the supplied lens. Depth: 513 mm (20-3/16 inches) for the lens-less models. *11: CD-ROM includes Logo Transfer Software and Multi Projector Monitoring and Control Software. *12: Vertical: +45% with the ET-DLE085. *13: Horizontal: +28% with the ET-DLE085. *14: Depth: including the supplied lens. Depth: 508 mm (20 inches) for the lens-less models.

Installation

PT-DX820*6



1-Chip DLP™ Projector

8,200 lm XGA

* Available in black/white cabinet.

PT-EZ770Z*6



LCD Projector

6,500 lm WUXGA

PT-EW730Z*6



LCD Projector

7,000 lm WUXGA

PT-EX800Z*6



LCD Projector

7,500 lm XGA

	PT-DX820*6	PT-EZ770Z*6	PT-EW730Z*6	PT-EX800Z*6	
Optical	Panel type	17.8 mm (0.7 inches) DLP™ chip x 1	19.0 mm (0.76 inches) LCD x 3	20.0 mm (0.79 inches) LCD x 3	
	Aspect ratio	4:3	16:10	16:10	
	Lamp	310 W UHM x 2	400 W UHM	400 W UHM	400 W UHM
	Lamp life*1	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, ECO)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)
	Brightness	8,200 lm	6,500 lm	7,000 lm	7,500 lm
	Lens (throw ratio)	F 1.7-1.9, f25.6-35.7 mm (1.8-2.5:1) (PT-DX820)	F 1.7-2.3, f26.9-45.4 mm (1.7-2.8:1) (PT-EZ770Z)	F 1.7-2.3, f26.9-45.4 mm (1.7-2.8:1) (PT-EW730Z)	F 1.7-2.3, f26.9-45.4 mm (1.7-2.8:1) (PT-EX800Z)
	Contrast (full on/full off)	2,400:1	5,000:1	5,000:1	5,000:1
	Resolution native/maximum*2	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)
Interface	Screen size (diagonal)*3	1.27-15.24 m (50-600 inches)*7	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)
	Lens shift*4	Vertical: +50%/-13%, horizontal: +30%*9/-10% (powered)	Vertical: ±60%, horizontal: ±10% (powered)	Vertical: ±60%, horizontal: ±10% (powered)	Vertical: ±50%, horizontal: ±10% (powered)
	Built-in speaker	-	10.0 W (monaural)	-	-
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] RGB 2 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] RGB 2 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] RGB 2 in [BNC x 5 (RGB/Y/Pb/Pa/Y/Cb/Cr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]
	General	Power supply 120V AC, 7.5 A, 50/60 Hz, 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
	Power consumption	790 W (except Taiwan), 785 W (Taiwan)	590 W	575 W	575 W
	BTU value	2,696 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU
	Operation noise	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)
Dimensions (W x H x D)	498 x 175 ⁹ x 521 mm ¹⁰ (19-19/32 x 6-7/8 ⁹ x 20-1/2 inches) ¹⁰	530 x 177 ⁹ x 445 mm ¹² (20-7/8 x 6-31/32 ⁹ x 17-17/32 inches) ¹²	530 x 177 ⁹ x 445 mm ¹² (20-7/8 x 6-31/32 ⁹ x 17-17/32 inches) ¹²	530 x 177 ⁹ x 445 mm ¹² (20-7/8 x 6-31/32 ⁹ x 17-17/32 inches) ¹²	
Weight*5	Approx. 17.8 kg/39.2 lbs (PT-DX820L: approx. 17 kg/37.5 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EZ770ZL: approx. 9.8 kg/21.6 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EW730ZL: approx. 9.8 kg/21.6 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EX800ZL: approx. 9.8 kg/21.6 lbs)	
Features	Filter	Filter-less	Eco Filter	Eco Filter	Eco Filter
	Edge Blending	Yes	-	-	-
	Geometric Adjustment	Yes	-	-	-
	Emulation	-	Yes	Yes	Yes
	Dynamic RGB Booster	Yes	-	-	-
	Daylight View	System Daylight View 2	Daylight View Basic	Daylight View Basic	Daylight View Basic
	Detail Clarity Processor	Detail Clarity Processor 3	-	-	-
	DICOM Simulation Mode	Yes	Yes	Yes	Yes
	Corner Keystone	Yes	Yes	Yes	Yes
	P-in-P	Yes	Yes	Yes	Yes
Audio Out During Standby	-	Yes	Yes	Yes	
Accessory	Replacement lamp	ET-LAD70/ET-LAD70W	ET-LAE300	ET-LAE300	ET-LAE300
	Optional accessories	ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Optional lens	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)
	Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: The lens shift cannot be used with a fixed-focus lens. *5: Average value. Each product has an individual variable in weight. *6: Also available as lens-less model.

*7: 1.27-5.08 m (50-200 inches) with the ET-DLE055, 2.54-8.89 m (100-350 inches) with the ET-DLE030. *8: Horizontal +28% with the ET-DLE085. *9: Height: with legs at shortest position. *10: Depth: including the supplied lens. Depth: 508 mm (20 inches) for the lens-less models. *11: CD-ROM includes Logo Transfer Software and Multi Projector Monitoring and Control Software. *12: Depth: including the lens. Depth: 385 mm (15-5/32 inches) for the lens-less models.

Installation

PT-EZ590*5



PT-EZ57



PT-EW650*5



PT-EW550*5



PT-EX620*5



	PT-EZ590*5	PT-EZ57	PT-EW650*5	PT-EW550*5	PT-EX620*5	
Optical	Panel type	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	
	Aspect ratio	16:10	16:10	16:10	4:3	
	Lamp	320 W UHM	320 W UHM	320 W UHM	320 W UHM	320 W UHM
	Lamp life**1	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)
	Brightness	5,000 lm	5,000 lm	5,800 lm	5,000 lm	6,200 lm
	Lens (throw ratio)	F 1.6-2.2, f17.1-31.7 mm (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 17.1-31.7mm	F 1.6-2.2, f17.1-31.7 mm (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f17.1-31.7 mm (1.22-2.26:1) (PT-EW550)	F 1.6-2.2, f17.1-31.7 mm (1.32-2.44:1) (PT-EX620)
	Contrast (full on/full off)	10,000:1	2,000:1	10,000:1	2,000:1	10,000:1
Interface	Resolution native/maximum*2	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	1.02-10.16 m (40-400 inches)	1.02-7.62 m (40-300 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)
	Lens shift	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±50 %, horizontal: ±30 % (powered)
	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PbPr/Y/CbCr/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PbPr/Y/CbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5V, up to 900 mA) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PbPr/Y/CbCr/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PbPr/Y/CbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5V, up to 900 mA) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PbPr/Y/CbCr/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PbPr/Y/CbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5V, up to 900 mA) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PbPr/Y/CbCr/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PbPr/Y/CbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5V, up to 900 mA) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/Y/PbPr/Y/CbCr/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/Y/PbPr/Y/CbCr x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5V, up to 900 mA) x 1)]
	Power supply	100-240 V AC, 5.5-2.3 A, 50/60 Hz	AC100-240 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
	Power consumption	484 W	484 W	461 W	461 W	461 W
BTU value	Max. 1,651 BTU	Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	
Operation noise	35 dB (NORMAL)/29 dB (ECO)	29 dB (Silent), 35 dB (Normal/ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	
Dimensions (W x H x D)	498 x 145*7 x 398.3 mm*8 (19-19/32 x 5-23/32*7 x 15-11/16 inches)*8	498 x 145*6 x 398.3 mm*7 (19-19/32 x 5-11/16*6 x 15-11/16 inches)*7	498 x 145*7 x 398.3 mm*8 (19-19/32 x 5-23/32*7 x 15-11/16 inches)*8	498 x 145*7 x 398.3 mm*8 (19-19/32 x 5-23/32*7 x 15-11/16 inches)*8	498 x 145*7 x 398.3 mm*8 (19-19/32 x 5-23/32*7 x 15-11/16 inches)*8	
Weight*4	Approx. 8.4 kg/18.5 lbs (PT-EZ590L: approx. 7.7 kg/17.0 lbs)	Approx. 7.9 kg (17.4 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)	
Features	Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter	
	Emulation	Yes	Yes	Yes	Yes	
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	
	DICOM Simulation Mode	Yes	Yes	Yes	Yes	
	Corner Keystone	Yes	Yes	Yes	Yes	
	P-in-P	-	-	-	-	
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
Audio Out During Standby	Yes	Yes	Yes	Yes	Yes	
Accessory	Replacement Lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100	
	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-WML100 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)
	Optional Lens	Yes (please see the Optional Lenses page: P45)	-	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)	Yes (please see the Optional Lenses page: P45)
	Standard accessories	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*9	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*9, lens cap	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*9	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*9	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*9

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

*2: Input signals that exceed the native resolution will be converted to the native resolution.


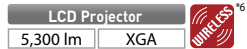




*3: The screen size is that of the original aspect ratio. *4: Average value. Each product has an individual variable in weight.

*5: Also available as lens-less model. *6: The optional ET-WML100 Wireless Module is required. *7: Height: with legs at shortest position.

*8: Depth: including the lens. Depth: 358 mm (14-3/32 inches) for the lens-less models.

*9: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

Installation

	PT-EX520	PT-FZ570	PT-FW530
	 	 	 
Optical	Panel type 16.3 mm (0.64 inches) LCD x 3 Aspect ratio 16:10 Lamp 270 W UHM Lamp life*1 6,000 hours (NORMAL)/8,000 hours (ECO) Brightness 4,500 lm Lens (throw ratio) F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.02-7.62 m (40-300 inches) Lens shift Vertical: ±60 %, horizontal: ±30 % (manual)	Panel type 16.3 mm (0.64 inches) LCD x 3 Aspect ratio 16:10 Lamp 270 W UHM Lamp life*1 6,000 hours (NORMAL)/8,000 hours (ECO) Brightness 4,500 lm Lens (throw ratio) F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.02-7.62 m (40-300 inches) Lens shift Vertical: ±60 %, horizontal: ±30 % (manual)	Panel type 16.3 mm (0.64 inches) LCD x 3 Aspect ratio 16:10 Lamp 270 W UHM Lamp life*1 6,000 hours (NORMAL)/8,000 hours (ECO) Brightness 4,500 lm Lens (throw ratio) F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) Contrast (full on/full off) 10,000:1 Resolution native/maximum*2 WXGA (1,280 x 800)/WUXGA (1,920 x 1,200) Screen size (diagonal)*3 1.02-7.62 m (40-300 inches) Lens shift Vertical: ±60 %, horizontal: ±30 % (manual)
Interface	Built-in speaker 10.0 W (monaural) Terminals HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1)]	Built-in speaker 10.0 W (monaural) Terminals HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1)]	Built-in speaker 10.0 W (monaural) Terminals HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1)]
General	Power supply 100-240 V AC, 4.7-1.9 A, 50/60 Hz Power consumption 413 W BTU value Max 1,410 BTU Operation noise 33 dB (NORMAL)/29 dB (ECO) Dimensions (W x H x D) 498 x 145 ⁶ x 398.3 mm ⁷ (19-19/32 x 5-23/32 ⁶ x 15-11/16 inches) ⁷	Power supply 100-240 V AC, 4.7-1.9 A, 50/60 Hz Power consumption 413 W BTU value Max 1,410 BTU Operation noise 33 dB (NORMAL)/29 dB (ECO) Dimensions (W x H x D) 498 x 145 ⁶ x 398.3 mm ⁷ (19-19/32 x 5-23/32 ⁶ x 15-11/16 inches) ⁷	Power supply 100-240 V AC, 4.5-1.8 A, 50/60 Hz Power consumption 400 W BTU value Max 1,365 BTU Operation noise 33 dB (NORMAL)/29 dB (ECO) Dimensions (W x H x D) 498 x 145 ⁶ x 398.3 mm ⁷ (19-19/32 x 5-23/32 ⁶ x 15-11/16 inches) ⁷
Weight*4	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs
Features	Filter Eco Filter Emulation Yes Daylight View Daylight View Basic DICOM Simulation Mode Yes Corner Keystone Yes P-in-P - Wireless Ready Yes (Optional Wireless Module required) Audio Out During Standby Yes	Filter Eco Filter Emulation Yes Daylight View Daylight View Basic DICOM Simulation Mode Yes Corner Keystone Yes P-in-P - Wireless Ready Yes (Optional Wireless Module required) Audio Out During Standby Yes	Filter Eco Filter Emulation Yes Daylight View Daylight View Basic DICOM Simulation Mode Yes Corner Keystone Yes P-in-P - Wireless Ready Yes (Optional Wireless Module required) Audio Out During Standby Yes
Accessory	Replacement lamp ET-LAEF100 Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	Replacement lamp ET-LAEF100 Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	Replacement lamp ET-LAEF100 Optional accessories ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)
	Standard accessories Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM ⁸	Standard accessories Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM ⁸	Standard accessories Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM ⁸

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle.
 *2: Input signals that exceed the native resolution will be converted to the native resolution.
 *3: The screen size is that of the original aspect ratio. *4: Average value. Each product has an individual variable in weight.

*5: The optional ET-WML100 Wireless Module is required. *6: Height: with legs at shortest position. *7: Depth: including the lens.
 *8: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

DIGITAL LINK

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

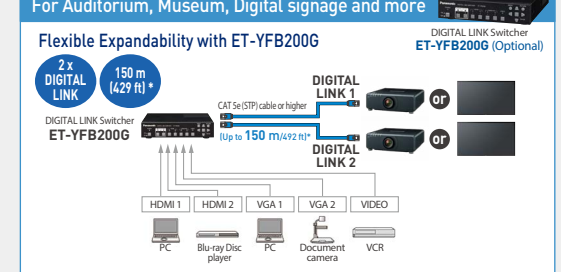


High Quality **Long Distance** **Cost Effective**

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



2 x DIGITAL LINK 150 m (492 ft)*

DIGITAL LINK Switcher ET-YFB200G (Optional)

DIGITAL LINK 1 DIGITAL LINK 2


Up to 150 m/492 ft*

HDMI 1 HDMI 2 VGA 1 VGA 2 VIDEO

PC Blu-ray Disc player PC Document camera VCR

For Classrooms, Meeting rooms, Retail outlets, etc.

Simple One-to-One Connection with ET-YFB100G



DIGITAL Interface Box ET-YFB100G (Optional)

DIGITAL LINK CAT 5e (STP) cable or higher

Up to 100 m/328 ft


HDMI 1 HDMI 2 S-Video VGA 1 VGA 2 VIDEO

Blu-ray Disc player HD signal communication system VCR PC PC Document camera

* Applicable models: PT-RQ32K, PT-RZ31K/RS30K, PT-RZ21K/RS20K, PT-RQ13K, PT-RZ12K/RS11K, PT-DZ21K2/DS20K2/DW17K2/DZ16K2, PT-RZ970/RW930/RX110, PT-RZ770/RW730, PT-RZ660/RW620, PT-RZ570/RZ575, PT-MZ670/MW630/MZ570/MW530, PT-DZ780/DW750/DX820, PT-EZ590/EW650/EK620, PT-FZ570/FW530/FX500 and PT-VZ585N/NW545N/VX615N in Long Reach Mode for signals up to 1080p. For other DIGITAL LINK models: up to 100 m (328 ft).

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 >> business.panasonic.co.uk/visual-system/digital-link

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

Portable

PT-VZ585N



PT-VZ580



PT-VW545N



PT-VW540



PT-VX615N



Optical	Panel type	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
	Aspect ratio	16:10	16:10	16:10	16:10	4:3
Interface	Lamp	280 W UHM	280 W UHM	280 W UHM	280 W UHM	280 W UHM
	Lamp life*1	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)
	Brightness	5,000 lm	5,000 lm	5,500 lm	5,500 lm	5,500 lm
	Lens (throw ratio)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90)
	Contrast (full on/full off)	16,000:1	16,000:1	16,000:1	16,000:1	16,000:1
	Resolution native/maximum*2	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
	Lens shift	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +40 % (manual)
General	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)]Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]
Power supply	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)	
Features	Power consumption	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)
	Operation noise	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)
	Dimensions (W x H x D)	389 x 125 ⁵ x 332 mm (15-5/16 x 4-29/32 ⁵ x 13-1/16 inches)	389 x 125 ⁵ x 332 mm (15-5/16 x 4-29/32 ⁵ x 13-1/16 inches)	389 x 125 ⁵ x 332 mm (15-5/16 x 4-29/32 ⁵ x 13-1/16 inches)	389 x 125 ⁵ x 332 mm (15-5/16 x 4-29/32 ⁵ x 13-1/16 inches)	389 x 125 ⁵ x 332 mm (15-5/16 x 4-29/32 ⁵ x 13-1/16 inches)
	Weight*4	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
Accessory	Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
	Emulation	Yes	Yes	Yes	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
	Corner Keystone	Yes	Yes	Yes	Yes	Yes
	Curved Screen Correction	Yes	Yes	Yes	Yes	Yes
	Easy Setting	-	-	-	-	-
	P-in-P	-	-	-	-	-
	Wireless Ready	Yes	-	Yes	-	Yes
	USB Memory Viewer	Yes	-	Yes	-	Yes
	USB Display	Yes	-	Yes	-	Yes
Audio Out During Standby	Yes	Yes	Yes	Yes	Yes	
Accessory	Replacement lamp	ET-LAV400	ET-LAV400	ET-LAV400	ET-LAV400	ET-LAV400
	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Standard accessories	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)	Power cord, power cord holder, wireless remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)	Power cord, power cord holder, wireless remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)

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

*2: Input signals that exceed the native resolution will be converted to the native resolution.

*3: The screen size is that of the original aspect ratio.

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

*5: Height: with legs at shortest position.

Portable

PT-VX610



LCD Projector
5,500 lm XGA

PT-VZ470*6



LCD Projector
4,400 lm WUXGA

Optical	Panel type	16.0 mm (0.63 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3
	Aspect ratio	4:3	16:10
	Lamp	280 W UHM	270 W UHM
Interface	Lamp life*1	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/7,000 hours (ECO)
	Brightness	5,500 lm	4,400 lm
	Lens (throw ratio)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90)	F 1.60-2.12, f 15.30-24.64 mm (1.1-1.8:1)
	Contrast (full on/full off)	16,000:1	10,000:1
	Resolution native/maximum*2	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
	Lens shift	Vertical: +40 % (manual)	Vertical: +44 % (manual)
	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/PbPr/YCbCr x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/Y/PbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/PbPr/YCbCr/S-VIDEO x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGB/Y/PbPr/YCbCr x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1]
	General	Power supply	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)
Power consumption		385 W (North America), 400 W (other countries)	372 W (North America), 378 W (Taiwan), 378 W (other countries)
Operation noise		37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/29 dB (ECO)
Dimensions (W x H x D)		389x 125*5 x 332 mm (15-5/16 x 4-29/32*5 x 13-1/16 inches)	389x 125*5 x 332 mm (15-5/16 x 4-29/32*5 x 13-1/16 inches)
Features	Weight*4	Approx. 4.8 kg/10.6 lbs	Approx. 4.8 kg/10.6 lbs
	Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
	Emulation	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic
	Corner Keystone	Yes	Yes
	Curved Screen Correction	Yes	Yes
	Easy Setting	-	-
	P-in-P	-	-
	Wireless Ready	-	-
	USB Memory Viewer	-	-
	USB Display	-	-
Accessory	Audio Out During Standby	Yes	Yes
	Replacement lamp	ET-LAV400	ET-LAV400
Accessory	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV400 (Replacement filter unit)
	Standard accessories	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)

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

Mirroring — Full-screen Wireless Playback For Win For Android Supported projector: PT-MZ670/MZ570/MW630/MW530*1 and PT-VZ585N/WV545N/VX615N.
Mirroring supports stutter-free audio and Full-HD video transmission from device to projector screen at 1:1.

Panasonic's Original Software

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.

Supported projector: PT-MZ670/MZ570/MW630/MW530*1 and PT-VZ585N/WV545N/VX615N.



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.

Supported projectors: PT-MZ670/MZ570/MW630/MW530*1, PT-VZ585N/WV545N/VX615N, PT-VW355N/VX425N, PT-JX200G/JX200H/JX200F and PT-JW130G/JW130H/JW130F.

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.

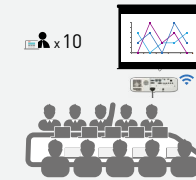
Exclusive

One device connected to prevent interruptions to solo presentations.



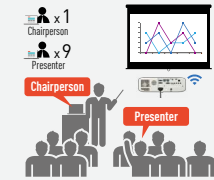
Interactive

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)

Supported projector: PT-EZ590/EW650/EK620/EW550/EX520, PT-FZ570/FW530/FX500, PT-LW373/LW333/LB423/LB383/LB353 and PT-TW351/RW350/TK410/TK320.
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.

VueMagic™ Pro*2 For iOS For Android

Using the app "VueMagic", you can transfer images from tablet devices or smartphones to the projector through the wireless LAN.

*1: Optional Wireless Module ET-WM300 is required for wireless projection.

*2: Support for VueMagic™ Pro is scheduled to be discontinued in Spring 2018. Please use Wireless Projector for iOS/Android for iOS as of February 2018, and for Android as of March 2018.

Note: For models supporting wireless functionality, please refer to the "Features" section of each specification sheet.

*1: The usage environment affects the lamp replacement cycle. *2: Input signals that exceed the native resolution will be converted to the native resolution. *3: The screen size is that of the original aspect ratio. *4: Average value. Each product has an individual variable in weight. *5: Height: with legs at shortest position.

Portable

PT-VW355N



PT-VW350



PT-VX425N



PT-VX420



PT-LW373



	PT-VW355N	PT-VW350	PT-VX425N	PT-VX420	PT-LW373	
Optical	Panel type	15.0 mm (0.59 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3	
	Aspect ratio	16:10	16:10	4:3	16:10	
	Lamp	240 W UHM	240 W UHM	240 W UHM	240 W UHM	230 W UHM
	Lamp life*1	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)
	Brightness	4,000 lm	4,000 lm	4,500 lm	4,500 lm	3,600 lm
	Lens (throw ratio)	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)	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)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)
	Contrast (full on/full off)	12,000:1	12,000:1	12,000:1	12,000:1	16,000:1
Interface	Resolution native/maximum*2	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
	Lens shift	49:1 (fixed)	49:1 (fixed)	9:1 (fixed)	9:1 (fixed)	13:1 (fixed)
	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGBx1)] Composite video in [Pin jack x 1] S-Video in [Mini-DIN 4-pin x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGBx1)] Composite video in [Pin jack x 1] S-Video in [Mini-DIN 4-pin x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGBx1)] Composite video in [Pin jack x 1] S-Video in [Mini-DIN 4-pin x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGBx1)] Composite video in [Pin jack x 1] S-Video in [Mini-DIN 4-pin x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPbPr/YCbCr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]
	Power supply	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
	Power consumption	320 W	320 W	320 W	320 W	300 W
Operation noise	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/33 dB (ECO1)/28 dB	
Dimensions (W x H x D)	352 x 98*5 x 279.4 mm*6 (13-27/32 x 3-27/32*5 x 11 inches)*6	352 x 98*5 x 279.4 mm*6 (13-27/32 x 3-27/32*5 x 11 inches)*6	352 x 98*5 x 279.4 mm*6 (13-27/32 x 3-27/32*5 x 11 inches)*6	352 x 98*5 x 279.4 mm*6 (13-27/32 x 3-27/32*5 x 11 inches)*6	335 x 96*5 x 252 mm (13-27/32 x 3-25/32*5 x 9-29/32 inches)	
Weight*4	Approx. 3.4 kg/7.5 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.4 kg/7.5 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs	
Features	Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
	Emulation	-	-	-	-	-
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Lite
	Corner Keystone	Yes	Yes	Yes	Yes	Yes
	Curved Screen Correction	-	-	-	-	Yes
	Easy Setting	Yes	-	Yes	-	-
	P-in-P	Yes	Yes	-	-	-
	Wireless Ready	Yes	-	Yes	-	Yes (Optional Wireless Module required)
	USB Memory Viewer	Yes	-	Yes	-	Yes
	USB Display	Yes	-	Yes	-	Yes
Audio Out During Standby	Yes	Yes	Yes	Yes	-	
Accessory	Replacement lamp	ET-LAV300	ET-LAV300	ET-LAV300	ET-LAV300	ET-LAL500
	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)
	Standard accessories	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software, Wireless Manager)	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software, Wireless Manager)	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)

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

*2: Input signals that exceed the native resolution will be converted to the native resolution.

*3: The screen size is that of the original aspect ratio.

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

*5: Height: with legs at shortest position. *6: Depth: protruding parts not included.

*7: To operate wireless projection, the optional wireless module ET-WML100 is required.

Portable

PT-LW333



LCD Projector
3,100 lm WXGA 

PT-LB423



LCD Projector
4,100 lm XGA 


PT-LB383



LCD Projector
3,800 lm XGA 

PT-LB353



LCD Projector
3,300 lm XGA 

PT-LB303



LCD Projector
3,100 lm XGA

	PT-LW333	PT-LB423	PT-LB383	PT-LB353	PT-LB303	
Optical	Panel type	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	
	Aspect ratio	16:10	4:3	4:3	4:3	
	Lamp	230 W UHM	230 W UHM	230 W UHM	230 W UHM	
	Lamp life*1	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)
	Brightness	3,100 lm	4,100 lm	3,800 lm	3,300 lm	3,100 lm
	Lens (throw ratio)	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)	F 2.1-2.25, f 19.11-22.94 mm (1.47-1.77:1)
Interface	Contrast (full on/full off)	16,000:1	16,000:1	16,000:1	16,000:1	
	Resolution native/maximum*2	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)
	Screen size (diagonal)*3	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
	Lens shift	13:1 (fixed)	6:1 (fixed)	6:1 (fixed)	6:1 (fixed)	6:1 (fixed)
	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/Pa/Ps/Y/Ca/Cr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/Pa/Ps/Y/Ca/Cr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/Pa/Ps/Y/Ca/Cr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/Pa/Ps/Y/Ca/Cr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/Y/Pa/Ps/Y/Ca/Cr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]
General	Power supply	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	
	Power consumption	300 W	300 W	300 W	300 W	
	Operation noise	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB
	Dimensions (W x H x D)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)
Features	Weight*4	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.8 kg/6.2 lbs	
	Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	
	Emulation	-	-	-	-	
	Daylight View	Daylight View Lite	Daylight View Lite	Daylight View Lite	Daylight View Lite	
	Corner Keystone	Yes	Yes	Yes	Yes	
	Curved Screen Correction	Yes	Yes	Yes	Yes	
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	
	USB Memory Viewer	Yes	Yes	Yes	Yes	
	USB Display	Yes	Yes	Yes	Yes	
	Audio Out During Standby	-	-	-	-	
Accessory	Replacement lamp	ET-LAL500	ET-LAL500	ET-LAL500	ET-LAL500	
	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)
	Standard accessories	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	

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

*2: Input signals that exceed the native resolution will be converted to the native resolution.





*3: The screen size is that of the original aspect ratio.

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

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

*6: Height: with legs at shortest position.

Short Throw

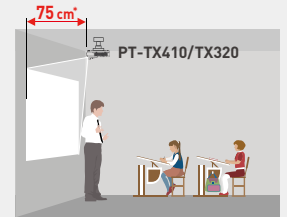
	PT-TW351R	PT-TW350	PT-TX410	PT-TX320	
	 LCD Projector 3,300 lm WXGA Interactive WIRELESS ⁵	 LCD Projector 3,300 lm WXGA WIRELESS ⁵	 LCD Projector 3,800 lm XGA WIRELESS ⁵	 LCD Projector 3,200 lm XGA WIRELESS ⁵	
Optical	Panel type	15.0 mm (0.59 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	
	Aspect ratio	16:10	16:10	4:3	
	Lamp	230 W UHM	230 W UHM	230 W UHM	
	Lamp life*1	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	
	Brightness	3,300 lm	3,300 lm	3,800 lm	
	Resolution native/maximum*2	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)/WUXGA (1,920 x 1,200)	XGA (1,024 x 768)/WUXGA (1,920 x 1,200)	
	Screen size (diagonal)*3	1.27-2.54 m (50-100 inches)	1.27-2.54 m (50-100 inches)	1.27-2.54 m (50-100 inches)	
Interface	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YpPp/Ps/YCbCr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1] Mini USB [Mini USB x 1, for interactive function]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YpPp/Ps/YCbCr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YpPp/Ps/YCbCr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YpPp/Ps/YCbCr/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]
	Power supply	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
	Power consumption	300 W	300 W	300 W	300 W
	Operation noise	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)
	Dimensions (W x H x D)	335 x 134.1 ⁶ x 329 mm (13-3/16 x 5-9/32 ⁶ x 12-15/16 inches)	335 x 134.1 ⁶ x 329 mm (13-3/16 x 5-9/32 ⁶ x 12-15/16 inches)	335 x 134.1 ⁶ x 329 mm (13-3/16 x 5-9/32 ⁶ x 12-15/16 inches)	335 x 134.1 ⁶ x 329 mm (13-3/16 x 5-9/32 ⁶ x 12-15/16 inches)
	Weight*4	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
Features	Daylight View	Daylight View Lite	Daylight View Lite	Daylight View Lite	
	Corner Keystone	Yes	Yes	Yes	
	Curved Screen Correction	Yes	Yes	Yes	
	3D Ready	-	-	-	
	Interactive Function	Yes	Yes	Yes	
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	
	USB Memory Viewer	Yes	Yes	Yes	
Accessory	Replacement lamp	ET-LAL500	ET-LAL500	ET-LAL500	
	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module) ET-PEN100 (Interactive pen) ET-PNT100 (Interactive pointer)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)
	Standard accessories	Power cord, wireless remote control unit, battery for remote control unit, computer cable, USB cable, interactive pen (x 2), batteries for interactive pen, software CD-ROM (Multi Monitoring and Control Software, LightPen3)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)

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



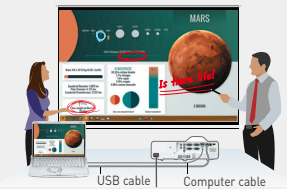
* Projection distance by model: PT-TX410/TX320: 75 cm [2.46 ft.], PT-TW351R/TW350: 80 cm [2.62 ft.]

Interactive function

Supported projector: PT-TW351R

You can write or draw figures on the projected image with the Interactive Pen/Pointer¹. 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 support²

*2: Available for Windows® operating systems.
For more information, please visit the website.
>>> panasonic.net/cns/projector/products/tw351r/

*1: The usage environment affects the lamp replacement cycle.
*2: Input signals that exceed the native resolution will be converted to the native resolution.
*3: The screen size is that of the original aspect ratio.

*4: Average value. Each product has an individual variable in weight.
*5: To operate wireless projection, the optional wireless module ET-WML100 is required.
*6: Height: with legs at shortest position.

Space Player

Track Mount Type

PT-JX200G
PT-JX200H



PT-JW130G
PT-JW130H



Optical	Panel type	14.0 mm (0.55 inches) DLP™ chip x 1	11.4 mm (0.45 inches) DLP™ chip x 1
Aspect ratio	4:3	16:10	
Light source	Laser diode	Laser diode	
Light source life*1	20,000 hours	20,000 hours	
Brightness	2,000 lm	1,000 lm	
Lens (throw ratio)	F 2.0-2.7, f 15.2-32.7 mm	F 2.0-2.7, f 15.2-32.7 mm (1.5-3.3:1)	
Contrast (full on/full off)	1,000:1	1,000:1	
Resolution	XGA	WXGA comparable	
Screen size (diagonal)*2	0.76-5.08 m (30-200 inches)	0.76-5.08 m (30-200 inches)	
Interface	Terminals	HDMI in (HDMI 19-pin x 1 [HDCP compatible]) Audio out [M3 x 1 (L-R x 1)] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-A x 1, for power supply (DC 5 V, up to 2.0 A)]	HDMI in (HDMI 19-pin x 1 [HDCP compatible]) Audio out [M3 x 1 (L-R x 1)] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-A x 1, for power supply (DC 5 V, up to 900 mA)]
Card slot	SD card slot x 1 (supports SDHC memory card)	SD card slot x 1 (supports SDHC memory card)	
General	Power supply	PT-JX200G: 100-240 V AC, 2.7-1.1 A, 50/60 Hz 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 PT-JW130H: 120 V AC, 1.2 A, 50/60 Hz
Power consumption	240 W	125 W	
Operation noise	33 dB (NORMAL)/30 dB (ECO)	36 dB (NORMAL)/30 dB (ECO)	
Weight*3	Approx. 4.5 kg/9.9 lbs	Approx. 3.2 kg/7.1 lbs	
Accessory	Optional accessories	ET-JPC200 (Mount bracket for direct mount type PT-JX200F) ET-JPF200 (Floor stand kit for direct mount type PT-JX200F)	ET-JPC100 (Ceiling kit for direct mount type PT-JW130F) ET-JPF100 (Floor stand kit for direct mount type PT-JW130F)
Standard accessories	wireless remote control unit, batteries for remote control unit, CD-ROM (Multi Monitoring and Control Software, Wireless Manager)	wireless remote control unit, batteries for remote control unit, CD-ROM (Multi Monitoring and Control Software, Wireless Manager)	

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: Average value. Each product has an individual variable in weight.

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)



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.

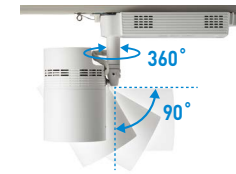
Spotlight type design

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



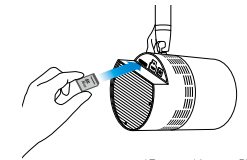
Position-adjustable structure

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. >>> business.panasonic.co.uk/visual-system/projectors/lighting-projectors

Optional Lenses Compatibility Chart

Large-Venue: 3-Chip DLP™ Projector








Featuring stepping motor and lens ID*1

For the PT-RQ32K*2 (4K+), PT-RZ31K*2/RZ21K (WUXGA), PT-RS30K*2/RS20K (SXGA+)

Lens type	Zoom lens	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D3LEW60	ET-D3LEW50*4	ET-D3LEW10*3	ET-D3LES20	ET-D3LET80
					
F value	2.5	2.5	2.5	2.5	2.5-2.7
Focal distance (f)	19.63-23.54 mm	14.8 mm	26.6-35.4 mm	35.0-50.9 mm	154-289 mm
Throw ratio	4K* (16:10)	0.7:1	TBD	1.8-2.6:1	7.9-14.8:1
	WUXGA (16:10)	0.9-1.1:1	0.7:1	1.7-2.4:1	7.3-13.8:1
	Full HD (16:9)	-	0.7:1	-	-
	WXGA (16:9)	-	0.8:1	-	-
	SXGA+ (4:3)	1.0-1.2:1	0.8:1	1.8-2.6:1	7.9-15.0:1
Dimensions (W x H x D)	160 x 160 x 356.5 mm	160 x 160 x 347 mm	TBD	134 x 134 x 265 mm	150 x 150 x 404 mm
Weight	Approx. 8.7 kg/18.2 lbs	Approx. 7.1 kg/15.7 lbs	TBD	Approx. 5.2 kg/11.5 lbs	Approx. 8.5 kg/18.7 lbs










*1: Calibration is required each time the lens is mounted. *2: Projector may require the latest firmware update. *3: The product design and the specifications are not final.

For the PT-RQ32K/RQ13K (4K+), PT-RZ31K/RZ21K/RZ12K/DZ21K2/DZ13K/DZ10K (WUXGA), PT-DZ16K2 (Full HD), PT-DW17K2/DW11K (WXGA), PT-RS30K/RS20K/RS11K/DS20K2/DS12 (SXGA+)


Lens type	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D75LE95	ET-D75LE6	ET-D75LE10	ET-D75LE20	ET-D75LE30	ET-D75LE40	ET-D75LE8
							
F value	2.5	2.5	2.5	2.5	2.5	2.5	2.5-2.7
Focal distance (f)	7.5 mm	19.63-23.54 mm	27.4-35.4 mm	35.0-50.9 mm	50.5-97.9 mm	96.6-154.1 mm	154-289 mm
Throw ratio	4K* (16:10)	1.0-1.2:1	1.4-1.8:1	1.8-2.6:1	2.6-5.0:1	4.9-7.9:1	7.9-14.8:1
	WUXGA (16:10)	0.9-1.1:1	1.3-1.7:1	1.7-2.4:1	2.4-4.7:1	4.6-7.4:1	7.3-13.8:1
	Full HD (16:9)	0.9-1.1:1	1.3-1.7:1	1.7-2.4:1	2.4-4.7:1	4.6-7.4:1	7.3-13.8:1
	WXGA (16:9)	1.0-1.2:1	1.4-1.9:1	1.8-2.7:1	2.7-5.2:1	5.1-8.2:1	8.2-15.4:1
	SXGA+ (4:3)	1.0-1.2:1	1.4-1.8:1	1.8-2.6:1	2.6-5.1:1	5.0-8.2:1	7.9-15.0:1
Dimensions (W x H x D)	154 x 154 x 448.5 mm	160 x 160 x 356.5 mm	150 x 150 x 269 mm	134 x 134 x 265 mm	134 x 134 x 265 mm	130 x 130 x 268 mm	150 x 150 x 404 mm
Weight	Approx. 6.5 kg/14.3 lbs	Approx. 8.7 kg/19.2 lbs	Approx. 6.1 kg/13.4 lbs	Approx. 5.2 kg/11.5 lbs	Approx. 5.2 kg/11.5 lbs	Approx. 5.0 kg/11.0 lbs	Approx. 8.5 kg/18.7 lbs

Large-Venue: LCD Projector

For the PT-EX16K, PT-EX12K (XGA)

Lens type	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-ELW03	ET-ELW06	ET-ELW02	ET-ELW04	ET-ELS02	ET-ELS03	ET-ELM01	ET-ELT02	ET-ELT03
									
F value	2.6	2.3-2.8	2.5-2.9	1.7-2.3	2.0-2.3	1.7-2.6	2.0-2.6	2.0-2.9	2.5-2.5
Focal distance (f)	30 mm	46-58 mm	52-68 mm	58-76 mm	76-98 mm	97-131 mm	125-162 mm	158-221 mm	224-325 mm
Throw ratio	XGA (4:3)	1.2-1.5:1	1.4-1.8:1	1.5-2.0:1	2.0-2.6:1	2.6-3.5:1	3.5-4.5:1	4.4-6.2:1	6.3-9.0:1
Dimensions (W x H x D)	175 x 175 x 238 mm	142 x 140 x 251 mm	122 x 114 x 203 mm	133 x 122 x 227.5 mm	130 x 116 x 232 mm	146 x 137 x 264 mm	120 x 110 x 183 mm	131 x 130 x 249 mm	169 x 171 x 461 mm
Weight	Approx. 3.1 kg/6.8 lbs	Approx. 3.0 kg/6.6 lbs	Approx. 2.2 kg/4.9 lbs	Approx. 2.8 kg/6.2 lbs	Approx. 1.8 kg/4.0 lbs	Approx. 3.7 kg/8.2 lbs	Approx. 1.9 kg/4.2 lbs	Approx. 3.1 kg/6.8 lbs	Approx. 7.3 kg/16.1 lbs

For the PT-RQ32K/RQ13K (4K+), PT-RZ31K/RZ21K/RZ12K/DZ21K2/DZ13K/DZ10K (WUXGA), PT-DZ16K2 (Full HD), PT-DW17K2/DW11K (WXGA), PT-RS30K/RS20K/RS11K/DS20K2/DS12K (SXGA+)

Lens type	Fisheye lens	
Model number	ET-D3LEF70	
		
F value	2.5	
Focal distance (f)	9.0 mm	
Projected angle	4K* (16:10)	H:61.3°, V:38.4°, D:72.3°
	WUXGA (16:10)	H:65.7°, V:41.1°, D:77.5°
	Full HD (16:9)	H:66.0°, V:66.0°, D:75.7°
	WXGA (16:9)	H:66.0°, V:37.1°, D:75.7°
	SXGA+ (4:3)	H:60.7°, V:45.5°, D:75.9°
Dimensions (W x H x D)		160 x 160 x 347 mm
Weight		Approx. 7.1 kg/15.7 lbs

Optional Lenses Compatibility Chart

Installation: 1-Chip DLPTM Projector


For the PT-RZ970/RZ770/RZ660/DZ870/DZ780 (WUXGA), PT-RW930/RW730/RW620/DW830/DW750 (WXGA), PT-RX110/DX100/DX820 (XGA)

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens (supplied lens)*2	Zoom lens	Zoom lens	Zoom lens
Model number	ET-DLE030	ET-DLE055	ET-DLE060*1	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170	ET-DLE250	ET-DLE350	ET-DLE450
										
F value	2.0	1.8	1.85-2.34	1.85-2.20	1.85-2.35	1.8-2.4	1.7-1.9	1.8-2.4	1.8-2.2	1.8-2.4
Focal distance (f)	5.3 mm	11.9 mm	9.16-12.06 mm	11.8-14.6 mm	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm	33.9-53.2 mm	52.8-79.5 mm	79.5-125.2 mm
Throw ratio	0.38:1	0.8:1	0.6-0.8:1	0.8-1.0:1	1.0-1.3:1	1.3-1.9:1	1.7-2.4:1	2.3-3.6:1	3.6-5.4:1	5.4-8.6:1
WUXGA (16:10)	0.40:1	0.8:1	0.6-0.8:1	0.8-1.0:1	1.0-1.4:1	1.4-2.0:1	1.8-2.5:1	2.4-3.8:1	3.8-5.7:1	5.6-9.0:1
XGA (4:3)	0.39:1	0.8:1	0.6-0.8:1	0.8-1.0:1	1.0-1.4:1	1.3-2.0:1	1.8-2.5:1	2.4-3.7:1	3.7-5.6:1	5.5-8.9:1
Dimensions (W x H x D)	132 x 102 x 311 mm	95 x 95 x 150 mm	172 x 172 x 224.3 mm	140 x 140 x 206 mm	140 x 140 x 210 mm	95 x 95 x 168 mm	95 x 95 x 166 mm	95 x 95 x 168 mm	95 x 95 x 169 mm	95 x 95 x 210 mm
Weight	Approx. 1.3 kg/3.1 lbs	Approx. 0.8 kg/1.8 lbs	Approx. 1.3 kg/2.9 lbs	Approx. 1.3 kg/2.9 lbs	Approx. 1.3 kg/2.9 lbs	Approx. 1.1 kg/2.4 lbs	Approx. 0.9 kg/2.0 lbs	Approx. 1.0 kg/2.2 lbs	Approx. 1.1 kg/2.4 lbs	Approx. 1.3 kg (2.9 lbs)

*1: The product design and the specifications are not final. *2: The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.

Installation: LCD Projector

For the PT-MZ670/MZ570/EZ770Z (WUXGA), PT-MW630/MW530/EW730Z (WXGA), PT-EX800Z (XGA)

Lens type	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens (supplied lens)*	Zoom lens	Zoom lens
Model number	ET-ELW21	ET-ELW22	ET-ELW20	ET-ELS20	ET-ELT20	ET-ELT21
						
F value	2.0	2.0-2.4	1.8-2.3	1.7-2.3	1.8-2.3	1.8-2.3
Focal distance (f)	13.05 mm	13.27-16.56 mm	20.4-27.6 mm	26.9-45.4 mm	45.6-73.8 mm	74.8-118.2 mm
Throw ratio	0.8:1	0.78-0.98:1	1.3-1.7:1	1.7-2.8:1	2.8-4.6:1	4.6-7.2:1
WUXGA (16:10)	0.8:1	0.78-0.98:1	1.3-1.7:1	1.7-2.8:1	2.8-4.6:1	4.6-7.2:1
XGA (4:3)	0.8:1	0.8-1.0:1	1.3-1.7:1	1.7-2.8:1	2.8-4.6:1	4.6-7.2:1
Dimensions (W x H x D)	108 x 108 x 166 mm	133 x 133 x 211 mm	116 x 116 x 196 mm	108 x 108 x 176 mm	108 x 108 x 197 mm	108 x 108 x 196 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	Approx. 1.18 kg/2.6 lbs	Approx. 1.20 kg/2.6 lbs

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

For the PT-EZ590 (WUXGA), PT-EW650/EW550 (WXGA), PT-EX620/EX520 (XGA)

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
Throw ratio	0.74-0.96:1	0.96-1.21:1	2.23-4.02:1	4.02-7.28:1
WUXGA (16:10)	0.74-0.96:1	0.96-1.21:1	2.23-4.02:1	4.02-7.28:1
XGA (4:3)	0.79-1.08:1	1.00-1.30:1	2.39-4.36:1	4.34-7.86:1
Dimensions (W x H x D)	127.4 x 127.4 x 194.5 mm	127.4 x 127.4 x 194 mm	110 x 110 x 205.1 mm	110 x 110 x 214.5 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

* Use the Throw Distance Calculator to calculate the actual projection distance.

For more flexible/precise installation

Throw Distance Calculator (HTML/Flash version)

This estimates the projection screen size and distance of your projector. And the Lens Finder feature helps you to find the most appropriate optional lens.

For more information, please visit the website >>> <http://business.panasonic.co.uk/visual-system/projectors-service-and-downloads/projector-throw-calculators> and please create new QR code with this link



Ultra Short-Throw Lens / Fisheye Lens

OPTION

The Ultra-Short-Throw Lens Solves “Space” Issues and Adds High Brightness

Ultra Short Throw Lens
ET-D75LE95 (optional)



ET-DLE030 (optional)



By mounting the ultra-short-throw lens onto Panasonic's DLP™ projector*, you can shorten the projection distance by approximately 60% compared with our conventional short throw lenses. This huge savings in space lets you project images in spots where you previously could not—such as places where the ceiling is too high, or where there is not enough front or rear space for projecting.

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

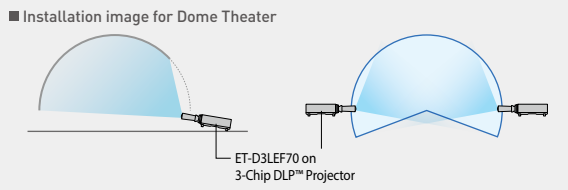
Fisheye Lens
for 3-Chip DLP™ Projectors
ET-D3LEF70 (optional)



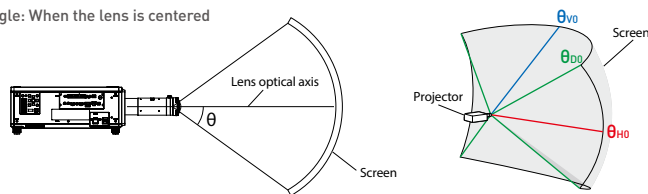
Features

- 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.



■ Projected angle: When the lens is centered



	PT-RQ32K/RQ13K	PT-RZ31K/RZ21K/ RZ12K/DZ21K2/ DZ13K/DZ10K	PT-RS30K/RS20K/ RS11K/DS20K2/ DS12K	PT-DZ16K2	PT-DW17K2/ DW11K
θ_{V0} Maximum vertical center angle of view	38.4°	41.1°	45.5°	66.0°	37.1°
θ_{H0} Maximum horizontal center angle of view	61.3°	65.7°	60.7°	66.0°	66.0°
θ_{D0} Maximum diagonal angle of view	72.3°	77.5°	75.9°	75.7°	75.7°

Note: • The illustrations of projectors are for informational purposes only and do not represent a specific projector model. Configurations may vary with the model.
• As the front end of the lens approaches closer to a spherical or column-shaped screen center, uniformity of the total focus and total brightness of the projected image is enhanced.
• The angle of view values indicated in the tables are lens optical axis angles.

DIGITAL LINK Compatible Options / Stepping Motor Kit for Optional Lenses

OPTION

All-in-One Connectivity

DIGITAL LINK Switcher
ET-YFB200G (optional)



Digital Interface Box
ET-YFB100G (optional)



Equipped with DIGITAL LINK output terminals.¹ Allows transmission of HDMI, uncompressed 4K (4.2.0) video², 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.).³

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

²: Supported on the PT-RQ32K and PT-RQ13K. 4K signal transmission for up to 50 m (164 ft) requires CAT5e (STP) cable or higher.

³: Long Reach Mode is available on the PT-RQ32K, PT-RZ31K/RS30K, PT-RZ21K/RS20K, PT-RQ13K, PT-RZ12K/RS11K, PT-DZ21K2/DS20K2/DW17K2/DZ16K2, PT-RZ970/RW930/RX110, PT-RZ770/RW730, PT-RZ660/RW620, PT-RZ570/RZ575, PT-MZ670/MZ570/MW630/MW530, PT-DZ780/DW750/DX820, PT-EZ590/EW650/EX620, PT-FZ570/FW530/FX500 and PT-VZ585N/VW545N/VX615N. Up to 100 m (328 ft) in Normal Mode.

Turnkey Solution for Multi-Window Presentations

Multi Window Processor
ET-MWP100G (optional)



* When the optional DIGITAL LINK board is mounted.

The ET-MWP100G Multi Window Processor makes it possible to quickly and efficiently combine multiple displays and projectors into a video wall or a multi vision system.

Application Example: Broadcast Studio

The ET-MWP100G's optional interface boards support a wide variety of input sources. This makes it possible to connect to media servers, professional video cameras, and other devices.

Supporting Accurate Installation

Stepping Motor Kit
ET-D75MKS10^{*1}

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
Motor control system	Stepping control
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 ³ , PT-RZ31K ³ /RS30K ³ , 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.

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)*2

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-RZ21K	PT-RS20K	PT-RQ13K	PT-RZ12K	PT-RS11K
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-CUK10/CUK10P*2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	PT-DZ21K2	PT-DS20K2	PT-DW17K2	PT-DZ16K2	PT-DZ13K	PT-DS12K	PT-DZ10K
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes*1
Geometry Manager Pro Software	Yes	Yes	No	No	Yes	Yes	Yes
ET-UK20	Yes	Yes	No	No	Yes	Yes	No
ET-CUK10/CUK10P*2	Yes	Yes	No	No	Yes	Yes	Yes

	PT-RZ970	PT-RW930	PT-RX110	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
Geometry Manager Pro Software	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No
ET-UK20	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No
ET-CUK10/CUK10P*2	Yes	No	No	Yes	No	Yes	No	Yes	Yes	No	No

*1: The PT-DZ10K does not feature 4-Corner Adjustment and Keep Aspect Off functions.

*2: 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-DW11K, PT-DW830 and PT-DX100, does not support Geometric Adjustment feature and upgrade kits.

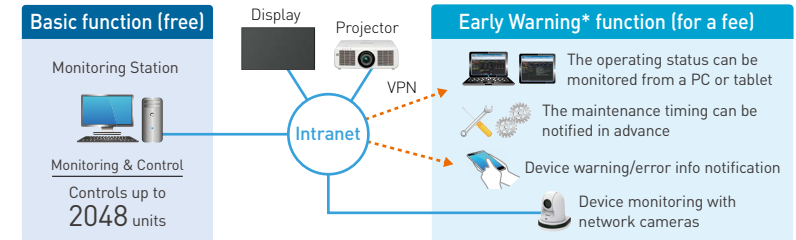


For downloading/activating the software and optional upgrade kits

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.

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 Software (ET-SWA100), 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.

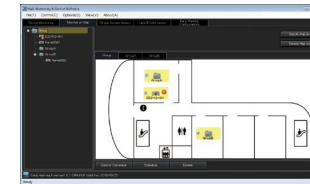


* Software function support varies by model.
* Multi Monitoring & Control Software Ver.2.0 or higher is required to use the Early Warning function.

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.*1

Other Features

- Monitoring of the status of each device*2
- Execution of control commands
- Scheduling function
- Delivery of the contents list*3

Early Warning Function (ET-SWA100)

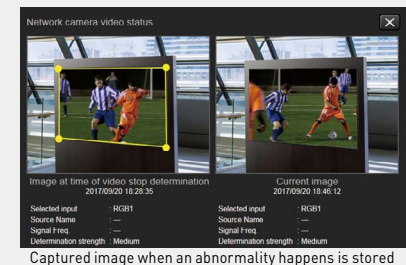
Maintenance Scheduling Suggestion*3

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*4. 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/

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All information included here is valid as of June 2018.