Panasonic CONNECT

PROJECTORS
Line-up Catalog May 2022

Roche Tower, Switzerland

Texas A&M University, USA

Perfect logistics center for Cross border E-Commerce / X-FRONTIER SGH Global Japan Co.,Ltd. , Japan

Worldwide Olympic and Paralympic Partner

Panasonic CONNECT

Mobile App -
The information of the Panasonic projectors and professional displays from your iOS/Android devices.
panasonic.net/cns/prodisplays/support/mobile_app/

For more information about Panasonic projectors
panasonic.net/cns/projector/

Panasonic projectors: facebook page
www.facebook.com/panasonicprojectoranddisplay/

Panasonic projectors: YouTube channel
www.youtube.com/user/PanasonicProjector

All information included here is valid as of January 2022.

LINEUP-G53
Printed in Japan.

Panasonic Projectors product lineup

DLP TEXAS INSTRUMENTS — 3-Chip DLP™ Laser light source models

DLP TEXAS INSTRUMENTS — 1-Chip DLP™ Laser light source models

LCD models

SOLID SHINE LASER — SOLID SHINE Series

- ● Large-Venue
- ● Installation
- ● Portable
- ● Short Throw

50,000 lm

● PT-**RQ50K** >P3
50,000 lm
4K PROFESSIONAL

● PT-**RQ35K** >P3
30,500 lm
4K PROFESSIONAL *Resolution 3840 x 2400 Pixels (Quad Pixel Drive: ON).

● PT-**RZ34K** >P4
30,500 lm

● PT-**RQ22K** >P4
20,000 lm
4K PROFESSIONAL *Resolution 5120 x 3200 Pixels (Quad Pixel Drive: ON).

● PT-**RZ21K** Series >P4
20,000 lm

● PT-**MZ16K** Series >P13
10,000-16,000 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

10,000 lm

● PT-**RQ13K** >P6
10,000 lm
4K PROFESSIONAL *Resolution 5120 x 3200 Pixels (Quad Pixel Drive: ON).

● PT-**RZ12K** >P6
12,000 lm

● PT-**RCQ10** Series >P7
8,000-10,000 lm
ACCEPTS 4K

● PT-**RZ120** >P8
12,000 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

● PT-**RZ990** Series >P8
6,000-9,400 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

● PT-**MZ880** Series >P14
6,000-8,000 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

● PT-**EZ770** Series >P15
6,500-7,500 lm

NEW
● PT-**FRQ60** Series >P11
5,200-6,000 lm
4K PROFESSIONAL *Resolution 3,840 x 2,160 Pixels (Quad Pixel Drive: ON).

● PT-**FRZ60** Series >P12
5,200-6,000 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

● PT-**EZ590** Series >P17
5,000-6,200 lm

● PT-**VZ580** Series >P25
5,000-5,500 lm

NEW
● PT-**VMZ71** Series >P21
5,200-7,000
ACCEPTS 4K *HDMI/DIGITAL LINK input only. Supports signal up to 4K/30p.

● PT-**FZ570** Series >P19
4,500-5,000 lm
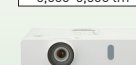
● PT-**VW360** Series >P28
4,000-4,500 lm

5,000 lm

● PT-**FRZ55** >P12
5,000 lm
ACCEPTS 4K *HDMI/DIGITAL LINK input only.

● PT-**VZ470** >P27
4,400 lm

● PT-**TW381R** Series >P31
3,200-3,800 lm

● PT-**LB426** Series >P29
3,100-4,100 lm

Large-Venue

		PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K
		SOLID SHINE LASER · 4K PROFESSIONAL	SOLID SHINE LASER · 4K[6]	SOLID SHINE LASER · ACCEPTS 4K	SOLID SHINE LASER · 4K[6]	SOLID SHINE LASER
		50,000 lm / 51,000 lm (Center)[7] — Native 4K	30,500 lm / 32,000 lm (Center)[7] — 4K[6]	30,500 lm / 32,000 lm (Center)[7] — WUXGA	20,000 lm / 21,000 lm (Center)[7] — 4K+[6]	20,000 lm / 21,000 lm (Center)[7] — WUXGA
		* Lens sold separately.	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.
Projector type		3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
DLP Chip	Panel size	35.1 mm (1.38 in)	24.4 mm (0.96 in)	24.4 mm (0.96 in)	22.9 mm (0.9 in)	24.4 mm (0.96 in)
	Aspect ratio	17:9	16:10	16:10	16:10	16:10
	Number of pixels	8,847,360 (4,096 x 2,160) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	4,096,000 (2,560 x 1,600) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diodes	Laser diodes	Laser diodes	Laser diodes	Laser diodes
Light output		50,000 lm / 51,000 lm (Center)[7]	30,500 lm / 32,000 lm (Center)[7]	30,500 lm / 32,000 lm (Center)[7]	20,000 lm / 21,000 lm (Center)[7]	20,000 lm / 21,000 lm (Center)[7]
Time until light output declines to 50%[1]		20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours [NORMAL]/ 24,000 hours (ECO)	20,000 hours [NORMAL]/ 24,000 hours [ECO]
Resolution		Native 4K (4,096 x 2,160)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)	4K+ (5,120 x 3,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		2.54-38.1 m (100-1,500 in)	1.78-25.4 m (70-1,000 in)[11]	1.78-25.4 m (70-1,000 in)[11]	1.78-25.4 m (70-1,000 in)[11]	1.78-25.4 m (70-1,000 in)[11]
Lens shift[2]		Vertical: ±45 %,[8] Horizontal: ±16 %[8] (powered)	Vertical: ±55 %[12], Horizontal: ±20 %[12] (powered)	Vertical: ±55 %[12], Horizontal: ±20 %[12] (powered)	Vertical: ±59 %[13], Horizontal: ±29 %[13] (powered)	Vertical: ±55 %[12], Horizontal: ±20 %[12] (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals		Multi Projector SYNC in [BNC x 1] Multi Projector SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] 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, up to 2 A)] USB [USB type-A x 1, for USB Memory Stick / Wireless Module (AJ-WM50)] Slot 1 [Pre-installed with ET-MDN12G10] Slot 2 [Vacant for compatible SLOT NX boards (optional)]	HDMI in [HDMI 19-pin x 1] Multi Projector SYNC in [BNC x 1] 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA)] Slot 1/2 [Vacant for compatible input boards, SLOT NX compatible (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] 3D SYNC 1 in/out / Multi Projector Sync in [BNC x 1] 3D SYNC 2 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA)] Slot 1 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)] Multi Projector Sync in [BNC x 1] 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] Remote 1 in/out [M3 x 2] 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, up to 2 A)] Slot 1/2 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 1 in/out [M3 x 2] 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, up to 2 A)]
Power supply		100-240 V AC, 50/60 Hz[9]	100-240 V AC, 50/60 Hz[9]	100-240 V AC, 50/60 Hz[9]	200-240 V AC, 8.5 A, 50/60 Hz[14]	200-240 V AC, 50/60 Hz[14]
Maximum power consumption		4,100 W	2,550 W	2,450 W	1,650 W	1,510 W
BTU value		Max. 13,560 BTU	Max. 8,713 BTU	Max. 8,371 BTU	Max. 5,364 BTU	Max. 5,159 BTU
Operation noise		52 dB	49 dB (Normal)/46 dB (Quiet)	49 dB (Normal)/46 dB (Quiet)	46 dB	46 dB
Dimensions (W x H[3] x D[4])		720 x 445 x 1070 mm (28-11/32 x 17-9/16 x 42-1/8 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)
Weight[5]		Approx. 126 kg/278 lbs	Approx. 69.8 kg/154 lbs	Approx. 68.6 kg/152 lbs	Approx. 54.0 kg/119 lbs	Approx. 49.0 kg/108 lbs
Optional accessories		ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDN12G10 (12G-SDI Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDNDV10 (DVI-D Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit)[10]	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-SUK10 (High Frame Rate Upgrade Kit) ET-NUK10 (NFC Upgrade Kit)[10]	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit)[10]	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (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) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (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) ET-MDNFB10 (12G-SDI Optical Input Board)
Optional lens		Yes (see the Optional Lenses page: P33)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. 3: Height: with legs at shortest position. 4: Depth: protruding parts not included. 5: Average value. Each product has an individual variable in weight. 6: QUAD PIXEL DRIVE: ON 7: Luminance measured at center of screen. 8: Vertical ±25 % and horizontal ±8 % with the ET-D3QT600.

9: Brightness restricted with voltage lower than 200 V. 10: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 11: 1.78-15.24 m (70-600 in) with the ET-D75LE8/D3LET80. 3.05-15.24 m (120-600 in) with the ET-D75LE95. 12: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60. 13: Vertical ±56 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60. 14: Light output will decrease to approximately 50 % when using the projector with AC 100 V to AC 120 V [9.8 A].

Large-Venue

	PT-**RS20K** SOLID SHINE LASER	PT-**RQ13K** SOLID SHINE LASER 4K[11]	PT-**RZ12K** SOLID SHINE LASER
	20,000 lm / 21,000 lm (Center)[6] SXGA+	10,000 lm 4K[+12]	12,000 lm WUXGA
	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.
	DIGITAL LINK / 360° / 24/7 Operation / 3D PROFESSIONAL / Geo.Pro	QUAD PIXEL DRIVE / 4K / DIGITAL LINK / 360° / 24/7 Operation	DIGITAL LINK / 360° / 24/7 Operation / 3D / Geo.Pro
Projector type	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
DLP Chip — Panel size	24.1 mm (0.95 in)	22.9 mm (0.9 in)	24.4 mm (0.96 in)
DLP Chip — Aspect ratio	4:3	16:10	16:10
DLP Chip — Number of pixels	1,470,000 (1,400 x 1,050) pixels	4,096,000 (2,560 x 1,600) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diodes	Laser diodes	Laser diodes
Light output	20,000 lm / 21,000 lm (Center)[6]	10,000 lm	12,000 lm
Time until light output declines to 50%[1]	20,000 hours [NORMAL]/ 24,000 hours [ECO]	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)
Resolution	SXGA+ (1,400 x 1,050)	4K[+] (5,120 x 3,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	20,000:1	20,000:1	20,000:1
Screen size (diagonal)	1.78-25.4 m (70-1,000 in)[7]	1.78-25.4 m (70-1,000 in)[7]	1.78-25.4 m (70-1,000 in)[7]
Lens shift[2]	Vertical: ±50 %[8], Horizontal: ±30 %[8] (powered)	Vertical: ±59 %[13], Horizontal: ±29 %[13] (powered)	Vertical: ±55 %[11], Horizontal: ±20 %[11] (powered)
Filter Replacement Cycle	- (No filter)	20,000 hours	20,000 hours
Terminals	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 1 in/out [M3 x 2] 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, up to 2 A))]	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)] 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] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] Slot 1/2 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
Power supply	200-240 V AC, 50/60 Hz[9]	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	1,510 W	1,270 W	1,200 W
BTU value	Max. 5,159 BTU	Max. 4,334 BTU	Max. 4,096 BTU
Operation noise	46 dB	46 dB	43 dB
Dimensions (W x H[3] x D[4])	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)	578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 in)	578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 in)
Weight[5]	Approx. 49.0 kg/108 lbs	Approx. 49 kg/108 lbs	Approx. 44.0 kg/97 lbs
Optional accessories	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (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)	ET-PKD520H (High ceiling mount bracket) 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-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)	ET-PKD520H (High ceiling mount bracket) 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)
Optional lens	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)

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

7: 1.78-15.24 m (70-600 in) with the ET-D75LE8/D3LET80. 3.05-15.24 m (120-600 in) with the ET-D75LE95. 8: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6/ET-D3LEW60. 9: Light output will decrease to approximately 50 % when using the projector with AC 100 V to AC 120 V (9.6 A). 10: Available in Japan, US and restricted areas in South America. 11: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60. 12: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON). 13: Vertical ±44 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60.

FEATURES

Smart Projector Control

Smart Projector Control is an application software for smartphones that enables the operation of Panasonic projectors. The hassles associated with the remote control and main body buttons are solved with easy tap controls, contributing to improved efficiency for the customer.

NFC Function

Easily access the setting information by simply holding your smartphone over the device even when the power is turned off. This significantly reduces the preset time, and enables you to write in a part of the setting information!

*Featured image: PT-RQ50K

* NFC function compatible projectors are the PT-RQ50K, PT-RQ35K Series, PT-RCQ10 Series, and PT-MZ16K Series only.

See page 62 for the basic information

Smart Projector Control detail page:
>>> panasonic.net/cns/projector/download/application/smartpj/

Large-Venue
Installation
Portable
Short Throw
Lenses
Features
Options
PressIT
Software/Apps

Installation

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

Installation

	PT-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890
	10,000 lm / 10,500 lm (Center)[7] 2715 x 1697 dots	8,000 lm / 8,400 lm (Center)[7] 2715 x 1697 dots	12,000 lm / 12,600 lm (Center)[7] WUXGA	9,400 lm / 10,000 lm (Center)[7] WUXGA	8,500 lm / 8,800 lm (Center)[7] WUXGA
	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.
Projector type	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip — Panel size	17.0 mm (0.67 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)
DLP chip — Aspect ratio	16:10	16:10	16:10	16:10	16:10
DLP chip — Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output	10,000 lm / 10,500 lm (Center)[7]	8,000 lm / 8,400 lm (Center)[7]	12,000 lm / 12,600 lm (Center)[7]	9,400 lm / 10,000 lm (Center)[7]	8,500 lm / 8,800 lm (Center)[7]
Time until light output declines to 50%[1]	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET1/QUIET2)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET1/QUIET2)/ 24,000 hours (ECO)
Resolution	4,608,000 (2,715 x 1,697) dots[8]	4,608,000 (2,715 x 1,697) dots[8]	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	10,000:1	10,000:1	10,000:1	10,000:1	10,000:1
Screen size (diagonal)	1.27-15.24 m (50-600 in)[9]	1.27-15.24 m (50-600 in)[9]	1.27-15.24 m (50-600 in)[9]	1.27-15.24 m (50-600 in)[9]	1.27-15.24 m (50-600 in)[9]
Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RCQ10)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RCQ80)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ120)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ990)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ890)
Lens shift[2]	Vertical: +50 %/-16 %[10], Horizontal: +30 %/-10 %[11] (powered)	Vertical: +50 %/-16 %[10], Horizontal: +30 %/-10 %[11] (powered)	Vertical: +50 %/-16 %[10], Horizontal: +30 %/-10 %[14] (powered)	Vertical: +50 %/-16 %[10], Horizontal: +30 %/-10 %[11] (powered)	Vertical: +50 %/-16 %[10], Horizontal: +30 %/-10 %[11] (powered)
Filter Replacement Cycle	- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] Multi Projector Sync in [BNC x 1] 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] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 1] Slot [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] Multi Projector Sync in [BNC x 1] 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] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 1] Slot [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 11.0-4.5 A, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	1,100 W	880 W	1,100 W	820 W	770 W
BTU value	Max. 3,754 BTU	Max. 3,003 BTU	Max. 3,754 BTU	Max. 2,799 BTU	Max. 2,628 BTU
Operation noise	43 dB (NORMAL)/40 dB (QUIET1)/38 dB (QUIET2)	40 dB (NORMAL) /38 dB (QUIET)	44 dB (NORMAL)/41 dB (QUIET1)/38 dB (QUIET2)	40 dB (NORMAL)/36 dB (QUIET1)/35 dB (QUIET2)	40 dB (NORMAL)/36 dB (QUIET1)/35 dB (QUIET2)
Dimensions (W x H[3] x D[4])	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)
Weight[5]	Approx. 24.2 kg/53.4 lbs (23.4 kg/51.6 lbs[6])	Approx. 24.2 kg/53.4 lbs (23.4 kg/51.6 lbs[6])	Approx. 23.6 kg/51.9 lbs (22.8 kg/50.2 lbs[6])	Approx. 23.0 kg/50.7 lbs (22.2 kg/48.9 lbs[6])	Approx. 23.0 kg/50.7 lbs (22.2 kg/48.9 lbs[6])
Optional accessories	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (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-NUK10 (NFC Upgrade Kit)[12] ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (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-NUK10 (NFC Upgrade Kit)[12] ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (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-PKD120H (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-PKD120H (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 (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used with a fixed-focus lens. 3: Height: with legs at shortest position. 4: Depth: including the supplied lens. Depth: 538 mm (21-3/16 in) for the lens-less models. 5: Average value. Each product has an individual variable in weight. 6: Lens-less model. 7: Luminance measured at center of screen. 8: With Smooth Pixel Drive: ON.

9: 1.27-5.08 m (50-200 in) with the ET-DLE055. 2.54-10.16 m (100-400 in) with the ET-DLE020. 2.54-8.89 m (100-350 in) with the ET-DLE035. 10: Vertical +40 %/-16 % with the ET-DLE060. 11: Horizontal +10 %/-20 % with the ET-DLE020, +19 %/-10 % with the ET-DLE060, +28 %/-10 % with the ET-DLE105/ET-DLE085. 12: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 13: HDMI/ DIGITAL LINK input only. 14: Horizontal +19 %/-10 % with the ET-DLE060, +28 %/-10 % with the ET-DLE085/ET-DLE105.

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

Installation

PT-RZ790

SOLID SHINE LASER

4K [ACCEPTS] 4K SIGNALS [7]

7,000 lm / 7,200 lm (Center)[8] | WUXGA
* Available in black/white cabinet.

PT-RZ690

SOLID SHINE LASER

4K [ACCEPTS] 4K SIGNALS [7]

6,000 lm / 6,200 lm (Center)[8] | WUXGA
* Available in black/white cabinet.

		PT-RZ790	PT-RZ690
Projector type		1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip	Panel size	17.0 mm (0.67 in)	17.0 mm (0.67 in)
	Aspect ratio	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode
Light output		7,000 lm / 7,200 lm (Center)[8]	6,000 lm / 6,200 lm (Center)[8]
Time until light output declines to 50%[1]		20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		10,000:1	10,000:1
Screen size (diagonal)		1.27-15.24 m (50-600 in)[9]	1.27-15.24 m (50-600 in)[9]
Lens (throw ratio)		F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ790)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ690)
Lens shift[2]		Vertical: +50 %/-16 %, Horizontal: +30 %[10]/-10 % (powered)	Vertical: +50 %/-16 %, Horizontal: +30 %[10]/-10 % (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)
Terminals		SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin 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] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		630 W	565 W
BTU value		Max. 2,151 BTU	Max. 1,929 BTU
Operation noise		36 dB (NORMAL)/35 dB (QUIET)	36 dB (NORMAL)/35 dB (QUIET)
Dimensions (W x H[3] x D[4])		498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)
Weight[5]		Approx. 22.1 kg/48.7 lbs (21.3 kg/47.0 lbs[6])	Approx. 22.1 kg/48.7 lbs (21.3 kg/47.0 lbs[6])
Optional accessories		ET-PKD130H (High ceiling mount bracket) ET-PKD120H (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-PKD120H (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 (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)

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

FEATURES

Smart Projector control (Auto focus)/ Geometric Adjustment with Free Grid Correction

Smart Projector Control

Smart Projector Control is an application software for smartphones that enables the operation of Panasonic projectors. The hassles associated with the remote control and main body buttons are solved with easy tap controls, contributing to improved efficiency for the customer.

Auto Focus Function

1 The lens focus can be adjusted with the remaote control or smartphone

2 Automatically adjust the lens focus

Adjusting the focus is easy even after installing the projector!

*Like the NFC-compatible devices, only the PT-RQ50K, PT-RQ22K, PT-RZ21K Series, PT-RZ16K, PT-RCQ10 Series, PT-MZ16K Series and PT-MZ880 Series are compatible with the Auto Focus.

Adjust from your smartphone

See page 62 for the basic information

Smart Projector Control detail page: **>>> panasonic.net/cns/projector/download/ application/smartpj/**

Geometric Adjustment with Free Grid Correction

Free Grid simplifies operation of Geometric Adjustment.
Using only the projector remote control, installers can correct image distortion caused by uneven surfaces or irregular objects on flat or curved screens. A grid is overlaid on the projected image, allowing users to reshape distorted areas by adjusting the position of node or V/H line control-points.
Grids of between 2 x 2 and 17 x 17 lines are selectable according to required granularity, and work progress is saved automatically so you can move freely between grid resolutions.
Free Grid approaches the precision and convenience of software-based solutions in situations where PC connection isn't practical.

Before | After
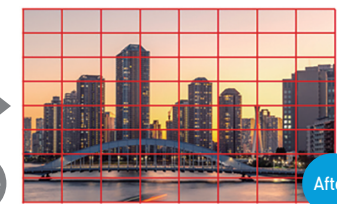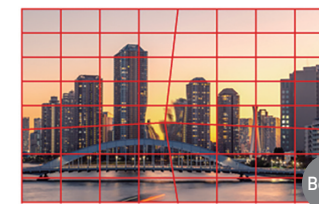
Remote Control | **Easy Adjustment via Remote Control**

Note: For Geometric Adjustment-ready models, see page 62.

5: Average value. Each product has an individual variable in weight. 6: Lens-less model. 7: HDMI/DIGITAL LINK input only. 8: Luminance measured at center of screen. 9: 1.27-5.08 m (50-200 in) with the ET-DLE055. 2.54-10.16 m (100-400 in) with the ET-DLE020. 2.54-8.89 m (100-350 in) with the ET-DLE035. 10: The availability varies depending on the country.

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

		PT-**FRQ60** NEW	PT-**FRQ50**	PT-**FRZ60**[7]	PT-**FRZ50**[7]	PT-**FRZ55**[7]
		6,000 lm / 6,200 lm (Center)[6] 4K[5] *Available in black/white cabinet.	5,200 lm / 5,400 lm (Center)[6] 4K[5] *Available in black/white cabinet.	6,000 lm / 6,200 lm (Center)[6] WUXGA *Available in black/white cabinet.	5,200 lm /5,400 lm (Center)[6] WUXGA *Available in black/white cabinet.	5,000 lm / 5,200 lm (Center)[6] WUXGA
Projector type		1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip	Panel size	16.5 mm (0.65 in)	16.5 mm (0.65 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)
	Aspect ratio	16:9	16:9	16:10	16:10	16:10
	Number of pixels	2,073,600 (1,920 x 1,080 pixels)	2,073,600 (1,920 x 1,080 pixels)	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		6,000 lm / 6,200 lm (Center)[6]	5,200 lm / 5,400 lm (Center)[6]	6,000 lm / 6,200 lm (Center)[6]	5,200 lm / 5,400 lm (Center)[6]	5,000 lm / 5,200 lm (Center)[6]
Time until light output declines to 50%[1]		20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours	20,000 hours	20,000 hours
Resolution		4K (3,840 x 2,160)	4K (3,840 x 2,160)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)
Lens (throw ratio)		F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	Fixed zoom/Auto Focus Lenses (Short throw) (0.8:1)
Lens shift[2]		Vertical: +71 %/-48 %, Horizontal: +34 %[8]/-27 % (powered)	Vertical: +71 %/-48 %, Horizontal: +34 %[8]/-27 % (powered)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: ±4.4 %, Horizontal: ±2.1 % (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals		HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB (DC OUT) [USB type-A x 1]	HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB (DC OUT) [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-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	100-240 V AC, 50/60 Hz
Maximum power consumption		505 W	480 W	540 W	465 W	465 W
BTU value		Max. 1,775 BTU	Max. 1,640 BTU	Max. 1,843 BTU	Max. 1,587 BTU	Max. 1,587 BTU
Operation noise		36 dB (NORMAL/ECO)/31 dB (QUIET)	35 dB (NORMAL/ECO)/28 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)
Dimensions (W x H[3] x D)		498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 481 mm (19-5/8 x 6-5/8 x 18-15/16 in)
Weight[4]		Approx. 16.4 kg/36.2 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.0 kg/35.3 lbs	Approx. 16.4 kg/36.2 lbs
Optional accessories		ET-PKD120H (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) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (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) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (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-ADSV (D-sub/S-VIDEO Conversion Cable)	ET-PKD120H (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-ADSV (D-sub/S-VIDEO Conversion Cable)	ET-PKD120H (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-ADSV (D-sub/S-VIDEO Conversion Cable)
Optional lens		-	-	-	-	-

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

5: Resolution 3,840 x 2,160 Pixels (with Quad Pixel Drive) 6: Luminance measured at center of screen. 7: The availability varies depending on the country. 8: HDMI/DIGITAL LINK input only.

Installation

		PT-**MZ16KL**	PT-**MZ13KL**	PT-**MZ10KL**	PT-**MZ880**	PT-**MZ780**
		16,000 lm / WUXGA	13,000 lm / WUXGA	10,000 lm / WUXGA	8,000 lm / WUXGA	7,000 lm / WUXGA
		* Lens sold separately.* Available in black/white cabinet.	* Lens sold separately.* Available in black/white cabinet.	* Lens sold separately.* Available in black/white cabinet.		
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	25.4 mm (1.0 in)	25.4 mm (1.0 in)	25.4 mm (1.0 in)	19.3 mm (0.76 in)	19.3 mm (0.76 in)
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels x 3
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		16,000 lm	13,000 lm	10,000 lm	8,000 lm	7,000 lm
Time until light output declines to 50%[1]		20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Screen size (diagonal)		2.03-12.7 m (80-500 in)	2.03-12.7 m (80-500 in)	2.03-12.7 m (80-500 in)	1.02–10.16 m (40-400 in)	1.02–10.16 m (40-400 in)
Lens (throw ratio)		Optional zoom lens and fixed-focus lens	Optional zoom lens and fixed-focus lens	Optional zoom lens and fixed-focus lens	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)
Lens shift[2]		Vertical: ±60 %[5], Horizontal: ±20 %[5](powered)	Vertical: ±60 %[5], Horizontal: ±20 %[5](powered)	Vertical: ±60 %[5], Horizontal: ±20 %[5](powered)	Vertical: ±67 %[8], Horizontal: ±35 %[8](powered)	Vertical: ±67 %[8], Horizontal: ±35 %[8](powered)
Filter Replacement Cycle		20,000 hours	20,000 hours	20,000 hours	20,000 hours	20,000 hours
Terminals		SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin 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 [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin 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 [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin 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 [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]
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
Maximum power consumption		1,050 W	800 W	640 W	490 W	435 W
BTU value		Max. 3,412 BTU	Max. 2,525 BTU	Max. 1,945 BTU	Max. 1,675 BTU	Max.1,485 BTU
Operation noise		38 dB (NORMAL)/32 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	34 dB (NORMAL/ECO)/ 27 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)
Dimensions (W x H[3] x D)		650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	561 x 190 x 437[9] mm (22-3/32 x 7-15/32 x 17-7/32[9] in)	561 x 190 x 437[9] mm (22-3/32 x 7-15/32 x 17-7/32[9] in)
Weight[4]		Approx. 22.3 kg/49.2 lbs	Approx. 22.3 kg/49.2 lbs	Approx. 22.3 kg/49.2 lbs	Approx. 18.6 kg/41.0 lbs	Approx. 18.6 kg/41.0 lbs
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement 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-NUK10 (NFC Upgrade Kit)[6]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement 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-NUK10 (NFC Upgrade Kit)[6]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement 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-NUK10 (NFC Upgrade Kit)[6]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Optional lens		Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)

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

5: Vertical ±40 % and horizontal ±19 % with the ET-EMW200. Vertical +50 %/-20 % and horizontal ±20 % with the ET-EMU100. (T.B.D) Vertical ±50% with the ET-EMW300. 6: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 7: HDMI/DIGITAL LINK input only. 8: Vertical ±60 % and horizontal ±30 % with the ET-ELW22. Vertical ±50 % and horizontal ±24 % with the ET-ELU20. 9: Depth: Not including lens or protruding parts.

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

Installation

		PT-**MZ680**	PT-**EZ770Z** PT-**EZ770ZL** [8]	PT-**EW730Z** PT-**EW730ZL** [8]	PT-**EX800Z** PT-**EX800ZL** [8]	PT-**EZ57**
		6,000 lm / WUXGA	6,500 lm / WUXGA	7,000 lm / WXGA	7,500 lm / XGA	5,000 lm / WUXGA
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	19.3 mm (0.76 in)	19.0 mm (0.76 in)	19.0 mm (0.76 in)	20.0 mm (0.79 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10	4:3	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	2,304,000(1,920 x1,200) x 3, total of 6,912,000 pixels
Light source		Laser diode	400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp	320 W UHM Lamp
Light output		6,000 lm	6,500 lm	7,000 lm	7,500 lm	5,000 lm
Time until light output declines to 50% [1]		20,000 hours (NORMAL/QUIET)/ 24,000 hours (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)	4,000 hours (NORMAL)/ 5,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		3,000,000:1	5,000:1	5,000:1	5,000:1	2,000:1
Screen size (diagonal)		1.02–10.16 m (40-400 in)	1.02-10.16 m (40-400 in) [9]	1.02-10.16 m (40-400 in) [9]	1.02-10.16 m (40-400 in) [9]	1.02-7.62 m (40-300 in)
Lens (throw ratio)		F 1.7-2.3, f 26.8-45.5 (1.6-2.8:1)	F 1.7–2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EZ770Z)	F 1.7–2.3, f 26.9-45.4 mm (1.7-2.8:1)(PT-EW730Z)	F 1.7–2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EX800Z)	F 1.6-2.2, f 17.1-31.7mm
Lens shift [2]		Vertical: ±67 % [6], Horizontal: ±35 % [6] (powered)	Vertical: ±60 %, Horizontal: ±10 % (powerd)	Vertical: ±60 %, Horizontal: ±10 % (powerd)	Vertical: ±50 %, Horizontal: ±10 % (powerd)	Vertical: ±60 %, Horizontal: ±30 % (powerd)
Filter Replacement Cycle		20,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in 　　[D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 　　(for power supply (DC 5 V, up to 2 A)]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC 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 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 5 V, up to 900 mA) 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, 5.5-2.3 A, 50/60 Hz
Maximum power consumption		360 W	590 W	575 W	575 W	484 W
BTU value		Max. 1,230 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU	Max. 1,651 BTU
Built-in speaker		-	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		32 dB (NORMAL/ECO) 26 dB (QUIET)	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)	29 dB (Silent), 35 dB (Normal/ECO)
Dimensions (W x H [3] **x D)**		561 x 190 x 437 [7] mm (22-3/32 x 7-15/32 x 17-7/32 [7] in)	530 x 177 x 445 [10] mm (20-7/8 x 6-31/32 x 17-17/32 [10] in)	530 x 177 x 445 [10] mm (20-7/8 x 6-31/32 x 17-17/32 [10] in)	530 x 177 x 445 [10] mm (20-7/8 x 6-31/32 x 17-17/32 [10] in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)
Weight [4]		Approx. 17.6 kg/38.8 lbs	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs [8])	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs [8])	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs [8])	Approx. 7.9kg (17.4lbs) (PT-EZ590L: approx. 7.7 kg/17.0 lbs)
Replacement lamp		ET-LAE300	ET-LAE300	ET-LAE300	ET-LAE300	ET-LAEF100
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B 　(Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) 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)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket)
Optional lens		Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	

1: The usage environment affects the lamp replacement cycle. 2: The lens shift cannot be used with a fixed-focus lens.
3: Height: with legs at shortest position. 4: Average value. Each product has an individual variable in weight.
5: HDMI/DIGITAL LINK input only.

6: Vertical ±60 % and horizontal ±30 % with the ET-ELW22. Vertical ±50 % and horizontal ±24 % with the ET-ELU20.
7: Depth: Not including lens or protruding parts. 8: Lens-less model.
9: 1.52-10.16 m (60-400 in) with the ET-ELW22. 10: Depth: including the supplied lens. 385 mm (15-5/32 in) for the lens-less models.

Installation

		PT-EZ590 PT-EZ590L[5]	PT-EW650 PT-EW650L[5]	PT-EW550 PT-EW550L[5]	PT-EX620 PT-EX620L[5]	PT-EX520 PT-EX520L[5]
		5,400 lm WUXGA	5,800 lm WXGA	5,000 lm WXGA	6,200 lm XGA	5,300 lm XGA
		DIGITAL LINK, WIRELESS[6]	DIGITAL LINK, WIRELESS[6]	WIRELESS[6]	DIGITAL LINK, WIRELESS[6]	WIRELESS[6]
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	16:10	4:3	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source		320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp
Light output		5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
Time until light output declines to 50%[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)
Resolution		WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		10,000:1	10,000:1	2,000:1	10,000:1	2,000:1
Screen size (diagonal)		1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)
Lens (throw ratio)		F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EW550)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1) (PT-EX620)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1) (PT-EX520)
Lens shift		Vertical: ±60 %, Horizontal: ±30 % (powerd)	Vertical: ±60 %, Horizontal: ±30 % (powerd)	Vertical: ±60 %, Horizontal: ±30 % (powerd)	Vertical: ±50 %, Horizontal: ±30 % (powerd)	Vertical: ±50 %, Horizontal: ±30 % (powerd)
Filter Replacement Cycle		15,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[7])]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[7])]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[7])]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[7])]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 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] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[7])]
Power supply		100-240 V AC, 5.5-2.3 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz
Maximum power consumption		484 W	461 W	461 W	461 W	461 W
BTU value		Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)
Dimensions (W x H[2] x D[3])		498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)
Weight[4]		Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs[5])	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs[5])	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs[5])	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs[5])	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs[5])
Replacement lamp		ET-LAEF100	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)[7]	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)[7]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-WML100 (Wireless Module)[7]	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)[7]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-WML100 (Wireless Module)[7]
Optional lens		Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)

1: The usage environment affects the lamp replacement cycle.
2: Height: with legs at shortest position.
3: Depth: including the supplied lens. Depth: 358 mm (14-3/32 inches) for the lens-less models.
4: Average value. Each product has an individual variable in weight.
5: Lens-less model.
6: The optional ET-WML100 Wireless Module is required. 7: Limited stock.

Installation

		PT-**FZ570**	PT-**FW530**	PT-**FX500**
		4,500 lm / WUXGA	4,500 lm / WXGA	5,000 lm / XGA
		DIGITAL LINK / WIRELESS 5	DIGITAL LINK / WIRELESS 5	DIGITAL LINK / WIRELESS 5
Projector type		LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source		270 W UHM Lamp	270 W UHM Lamp	270 W UHM Lamp
Light output		4,500 lm	4,500 lm	5,000 lm
Time until light output declines to 50%[1]		6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		10,000:1	10,000:1	10,000:1
Screen size (diagonal)		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)
Lens (throw ratio)		F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1)
Lens shift		Vertical: ±60 %, Horizontal: ±30 % (powerd)	Vertical: ±60 %, Horizontal: ±30 % (powerd)	Vertical: ±50 %, Horizontal: ±30 % (powerd)
Filter Replacement Cycle		16,000 hours	16,000 hours	16,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[6])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[6])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100[6])]
Power supply		100-240 V AC, 4.7-1.9 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz
Maximum power consumption		413 W	400 W	400 W
BTU value		Max. 1,410 BTU	Max. 1,365 BTU	Max. 1,365 BTU
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)
Dimensions (W x H[2] x D[3])		498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)
Weight[4]		Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs
Replacement lamp		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)[6]	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)[6]	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)[6]

1: The usage environment affects the lamp replacement cycle.
2: Height: with legs at shortest position.
3: Depth: including the supplied lens.
4: Average value. Each product has an individual variable in weight.
5: The optional ET-WML100 Wireless Module is required.
6: Limited stock.

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

High Quality | Long Distance | Cost Effective
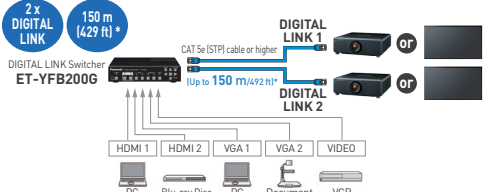
DIGITAL LINK is a connection system based on HDBaseT™ technology that supports the transmission of HDMI signals, uncompressed Full-HD videos, audio, and control commands through a single LAN cable for very long distances - up to 150 m (492 ft) in Long Reach Mode.* It's a simple, high-quality digital 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

DIGITAL LINK Switcher ET-YFB200G (Optional)

2 x DIGITAL LINK | 150 m (429 ft) *

DIGITAL LINK Switcher ET-YFB200G

CAT 5e (STP) cable or higher

DIGITAL LINK 1

DIGITAL LINK 2

(Up to 150 m/492 ft)*
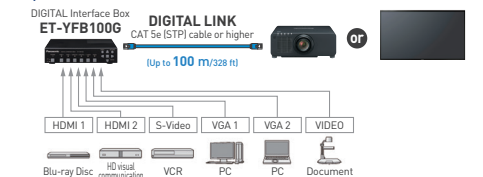
HDMI 1 | HDMI 2 | VGA 1 | VGA 2 | VIDEO

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 Interface Box ET-YFB100G

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 visual communication system | VCR | PC | PC | Document camera

*For more information about Long Reach mode compatible model, please visit the website
>> panasonic.net/cns/prodisplays/solutions/technology/digital_link/#projector

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

CRESTRON connected | Extron | Extron XTP | AMX | ComQi
ATLONA | Aurora | Roland | LIGHTWARE
Gefen | KRAMER | KOMTECH | ATEN | IDK

For more information about DIGITAL LINK, please visit the website
>> panasonic.net/cns/prodisplays/solutions/technology/digital_link/

Note: For DIGITAL LINK-ready models, see the "Specification" column of the Feature Compatibility Chart on page 43 to 48.

Portable

PT-**VMZ71** NEW SOLID SHINE LASER

ACCEPTS 4K[4]

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

4K DIGITAL LINK | 360° | 24/7 Operation | WIRELESS[5]

PT-**VMZ61** NEW SOLID SHINE LASER

ACCEPTS 4K[4]

6,200 lm | WUXGA
* Available in black/white cabinet.

4K DIGITAL LINK | 360° | 24/7 Operation | WIRELESS[5]

		PT-VMZ71	PT-VMZ61
Projector type		LCD Projector	LCD Projector
DLP chip/ LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode
Light output		7,000 lm	6,200 lm
Time until light output declines to 50%		20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
Lens shift		Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
Filter Replacement Cycle		20,000 hours	20,000 hours
Installation		Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals		HDMI 1/2 in (HDMI 19-pin x 2) Computer 1/2 in (D-sub HD 15-pin x 2) Audio in 1/2 (M3 x 2) Audio out (M3 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 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module))	HDMI 1/2 in (HDMI 19-pin x 2) Computer 1/2 in (D-sub HD 15-pin x 2) Audio in 1/2 (M3 x 2) Audio out (M3 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 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module))
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		420 W	370 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)
Operation noise		38 dB (NORMAL/ECO)/28 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)
Dimensions (W x H[1] x D)		399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)
Weight[2]		Approx. 7.0 kg/15.4 lbs	Approx. 6.9 kg/15.2 lbs
Replacement lamp		- (No lamp)	- (No lamp)
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)

1: Height: with legs at shortest position. 2: Average value. Each product has an individual variable in weight. 3: 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. 4: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI and DIGITAL LINK terminal. 5: The optional Wireless Module is required. 6: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI terminal.

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.

Useful Wireless Apps[6]

❚ Wireless Projector for iOS / Android   For iOS   For Android

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

Moderator Mode and Cut-In Function

Supported by Mirroring/Plug and Share/Wireless Manager.

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

Exclusive   x 1

One device connected to prevent interruptions to solo presentations.

Interactive   x 10

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

Moderated   x 1 Chairperson   x 9 Presenter
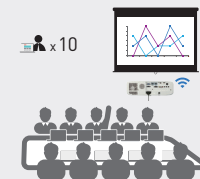
The chairperson controls media display permission for up to 10 participants.

Chairperson | Presenter

The light source's lifetime may be shortened due to environmental conditions and operating mode.
6: For compatible models, see the "Function" and "Software" columns of the Feature Compatibility Chart on page 43 to 48.
7: For compatible models, see the "Wireless Module" column of the Optional Accessories Chart on page 49 to 56.

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

Portable

		PT-**VMZ51** `NEW`	PT-**VMZ51S** `NEW`
		5,200 lm / WUXGA	5,200 lm / WUXGA
Projector type		LCD Projector	LCD Projector
DLP chip/ LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode
Light output		5,200 lm	5,200 lm
Time until light output declines to 50%		20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
Lens shift		Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
Filter Replacement Cycle		20,000 hours	20,000 hours
Installation		Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals		HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 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 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		305 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)
Operation noise		36 dB (NORMAL/ECO)/26 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)
Dimensions (W x H[1] x D)		399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)
Weight[2]		Approx. 6.5 kg/14.3 lbs	Approx. 6.5 kg/14.3 lbs
Replacement lamp		- (No lamp)	- (No lamp)
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) AJ-WM50 (Wireless Module)

1: Height: with legs at shortest position. 2: Average value. Each product has an individual variable in weight. 3: 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. 4: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI and DIGITAL LINK terminal. 5: The optional Wireless Module is required. 6: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI terminal.

FEATURES

Why Choose a Panasonic Wireless Projector?

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.

Wireless Projection by Optional Module (AJ-WM50)[7]

The optional AJ-WM50 wireless USB module allows wireless projection from Windows® PCs, iOS devices, or Android™ devices loaded with an appropriate app.

Featured image: AJ-WM50

❙ 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.

Convenient Wireless Features[6]

❙ Mirroring — Full-screen Wireless Playback `For Win` `For Android`

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

Panasonic's Original Software[6]

❙ Plug and Share `For Win` `For Mac`

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

❙ Wireless Manager ME Software `For Win` `For Mac`

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

The light source's lifetime may be shortened due to environmental conditions and operating mode.
6: For compatible models, see the "Function" and "Software" columns of the Feature Compatibility Chart on page 43 to 48.
7: For compatible models, see the "Wireless Module" column of the Optional Accessories Chart on page 49 to 56.

Portable

		PT-**VZ585N**	PT-**VZ580**	PT-**VW545N**	PT-**VW540**	PT-**VX615N**
		5,000 lm · WUXGA	5,000 lm · WUXGA	5,500 lm · WXGA	5,500 lm · WXGA	5,500 lm · XGA
		DIGITAL LINK / WIRELESS	DIGITAL LINK	DIGITAL LINK / WIRELESS		DIGITAL LINK / WIRELESS
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	16:10	16:10	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source		280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp
Light output		5,000 lm	5,000 lm	5,500 lm	5,500 lm	5,500 lm
Time until light output declines to 50%[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)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		16,000:1	16,000:1	16,000:1	16,000:1	16,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)
Lens shift		Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +40 % (manual)
Filter Replacement Cycle		7,000 hours	7,000 hours	7,000 hours	7,000 hours	7,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]
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)
Maximum 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)
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
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[2] x D)		389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)
Weight[3]		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
Replacement lamp		ET-LAV400	ET-LAEF100	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)

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

Portable

		PT-**VX610**	PT-**VZ470**[4]	PT-**VW360**	PT-**VX430**	PT-**LW376**
		5,500 lm — XGA	4,400 lm — WUXGA	4,000 lm — WXGA (Wireless[5])	4,500 lm — XGA (Wireless[5])	3,600 lm — WXGA (Wireless[5])
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.0 mm (0.63 in)	16.3 mm (0.64 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)	15.0 mm (0.59 in)
	Aspect ratio	4:3	16:10	16:10	4:3	16:10
	Number of pixels	786,432 (1,024 x 768) pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	1,024,000 (1,280 x 800) pixels
Light source		280 W UHM Lamp	270 W UHM Lamp	240 W UHM Lamp	240 W UHM Lamp	230 W UHM Lamp
Light output		5,500 lm	4,400 lm	4,000 lm	4,500 lm	3,600 lm
Time until light output declines to 50%[1]		5,000 hours (NORMAL)/6,000 hours (ECO1)/ 7,000 hours (ECO2)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	5,000 hours (NORMAL)/ 7,000 hours (ECO)	10,000 hours (NORMAL)/20,000 hours (ECO)/ 10,000 hours (QUIET)
Resolution		XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WXGA (1,280 x 800)
Contrast ratio (full on/full off)		16,000:1	10,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)	F 1.60-2.12, f 15.30-24.64 mm (1.1-1.8:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)
Lens shift		Vertical: +40 % (manual)	Vertical: +44 % (manual)	49:1 (fixed)	9:1 (fixed)	6:1 (fixed)
Filter Replacement Cycle		7,000 hours	7,000 hours	7,000 hours	7,000 hours	5,000 hours (NORMAL)/6,000 hours (ECO)/ 10,000 hours (QUIET)
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI 1/2 in (HDMI 19-pin x 2) Computer 1 in (D-sub HD 15-pin x 1) Computer 2 in/1 out (D-sub HD 15-pin x 1) Video in (Pin jack x 1) Audio in 1/2 (M3 x 2) Audio in 3 (Pin jack x 2 (L, R)) Audio out (M3 x 1) Serial in (D-sub 9-pin x 1 (RS-232C)) LAN (RJ-45 x 1) USB (USB type-A x 1 (for power supply (DC 5 V, up to 2 A)))	HDMI 1/2 in (HDMI 19-pin x 2) Computer 1 in (D-sub HD 15-pin x 1) Computer 2 in/1 out (D-sub HD 15-pin x 1) Video in (Pin jack x 1) Audio in 1/2 (M3 x 2) Audio in 3 (Pin jack x 2 (L, R)) Audio out (M3 x 1) Serial in (D-sub 9-pin x 1 (RS-232C)) LAN (RJ-45 x 1)	HDMI 1/2 in (HDMI 19-pin x 2) Computer 1 in (D-sub HD 15-pin x 1) Computer 2 in/1 out (D-sub HD 15-pin x 1) Video in (Pin jack x 1) Audio in 1/2 (M3 x 2) Audio in 3 (Pin jack x 2 (L, R)) Audio out (M3 x 1) Serial in (D-sub 9-pin x 1 (RS-232C)) LAN (RJ-45 x 1) USB (USB type-A x 1 (for Memory Viewer/Wireless Module)) USB (USB type-B x 1 (for USB display))	HDMI 1/2 in (HDMI 19-pin x 2) Computer 1 in (D-sub HD 15-pin x 1) Computer 2 in/1 out (D-sub HD 15-pin x 1) Video in (Pin jack x 1) Audio in 1/2 (M3 x 2) Audio in 3 (Pin jack x 2 (L, R)) Audio out (M3 x 1) Serial in (D-sub 9-pin x 1 (RS-232C)) LAN (RJ-45 x 1) USB (USB type-A x 1 (for Memory Viewer/Wireless Module)) USB (USB type-B x 1 (for USB display))	HDMI in (HDMI 19-pin x 2) Computer 1 in (D-sub HD 15-pin x 1) Computer 2 in/1 out (D-sub HD 15-pin x 1) Video in (Pin jack x 1) Audio in 1 (M3 x 1) Audio in 2 (Pin jack x 2 (L, R)) Audio out (M3 x 1) Serial in (D-sub 9-pin x 1 (RS-232C)) LAN (RJ-45 x 1) USB (USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A)))
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)	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		385 W (North America), 400 W (other countries)	372 W (North America), 378 W (other countries)	320 W	320 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H[2] x D)		389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)
Weight[3]		Approx. 4.8 kg/10.6 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs
Replacement lamp		ET-LAV400	ET-LAV400	ET-LAV300	ET-LAV300	ET-LAL510
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)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module)[6] ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module)[6] 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) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module)[6] ET-ADSV (D-Sub/S-VIDEO conversion cable)

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

4: The availability varies depending on the country.
5: To operate wireless projection, the optional Wireless Module ET-WML100/AJ-WM50 is required.
6: Stock limited.

		PT-**LW336**	PT-**LB426**	PT-**LB386**	PT-**LB356**	PT-**LB306**[6]
		3,100 lm — WXGA	4,100 lm — XGA	3,800 lm — XGA	3,300 lm — XGA	3,100 lm — XGA
		WIRELESS[4]	WIRELESS[4]	WIRELESS[4]	WIRELESS[4]	
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	4:3	4:3	4:3	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source		230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output		3,100 lm	4,100 lm	3,800 lm	3,300 lm	3,100 lm
Time until light output declines to 50%[1]		10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution		WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 2.1-2.24, 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 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)
Lens shift		6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle		5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 1] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] USB [USB type-B x 1 (for service use)]
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
Maximum power consumption		300 W	300 W	300 W	300 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
Operation noise		38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H[2] x D)		335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)
Weight[3]		Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.39 lbs	Approx. 2.9 kg/6.39 lbs	Approx. 2.8 kg/6.17 lbs
Replacement lamp		ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100[5] (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) AJ-WM50 (Wireless Module) ET-WML100[5] (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) AJ-WM50 (Wireless Module) ET-WML100[5] (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) AJ-WM50 (Wireless Module) ET-WML100[5] (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-ADSV (D-Sub/S-VIDEO conversion cable)

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

4: To operate wireless projection, the optional Wireless Module ET-WML100/AJ-WM50 is required.
5: Stock limited.
6: The availability varies depending on the country.

Short Throw

		PT-**TW381R**	PT-**TW380**	PT-**TX440**[6]	PT-**TX350**[6]
		3,300 lm / WXGA	3,300 lm / WXGA	3,800 lm / XGA	3,200 lm / XGA
		Interactive / WIRELESS[4]	WIRELESS[4]	WIRELESS[4]	WIRELESS[4]
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	15.0 mm (0.59 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source		230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output		3,300 lm	3,300 lm	3,800 lm	3,200 lm
Time until light output declines to 50%[1]		10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution		WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)
Lens (throw ratio)		F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)
Lens shift		6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle		5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 　(for Memory Viewer/Wireless Module/ 　power supply (DC 5 V, up to 2 A)]] Mini USB [Mini USB x 1, 　(for interactive function)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 　(for Memory Viewer/Wireless Module/ 　power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 　(for Memory Viewer/Wireless Module/ 　power supply (DC 5 V, up to 2 A)]]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 　(for Memory Viewer/Wireless Module/ 　power supply (DC 5 V, up to 2 A)]]
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
Maximum power consumption		300 W	300 W	300 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H[2] x D)		335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)
Weight[3]		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
Replacement lamp		ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100[5] (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-PEN100 (Interactive Light 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) AJ-WM50 (Wireless Module) ET-WML100[5] (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100[5] (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100[5] (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)

1: The usage environment affects the lamp replacement cycle.
2: Height: with legs at shortest position.
3: Average value. Each product has an individual variable in weight.
4: To operate wireless projection, the optional Wireless Module ET-WML100/AJ-WM50 is required.
5: Stock limited.
6: The availability varies depending on the country.

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**
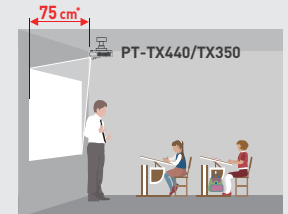
75 cm* / PT-TX440/TX350

* Projection distance by model: PT-TX440/TX350: 75 cm (2.46 ft.), PT-TW381R/TW380: 80 cm (2.62 ft.)

Interactive function

Supported projector: PT-TW381R

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

1: Interactive Pointer is optional.

USB cable / Computer cable
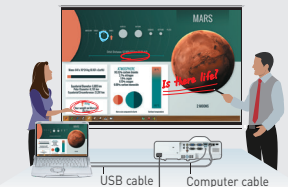
Convenient Interactive Features by LightPen3 Software

● Auto driver installation.
● Auto calibration
● Functionality improved
● Dual pen support[2]

2: Available for Windows® operating systems.

For more information, please visit the website.
>>> panasonic.net/cns/projector/products/tw381r/

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

Optional Lenses for the PT-RQ50K Projector (Large-Venue)

ID :Featuring Auto Lens Identification Function*   **M** :Stepping Motor for zoom in addition to focus.

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D3QW200**	ET-**D3QW300**	ET-**D3QS400**	ET-**D3QT500**
		ID M	ID M	ID M
F value	2.5	2.5	2.5	2.5
Focal distance (f)	17.5-20.7 mm	35.2-53.7 mm	45.3-65.6 mm	61.4-105.2 mm
Weight	Approx. 11.3 kg/24.9 lbs	Approx. 9.3 kg/20.5 lbs	Approx. 8.5 kg/18.7 lbs	Approx. 9.6 kg/21.2 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D3QT600**	ET-**D3QT700**	ET-**D3QT800**
	ID M	ID M	ID M
F value	2.5	2.5	2.5
Focal distance (f)	85.0-121.6 mm	122.8-172.3 mm	156.5-243.1 mm
Weight	Approx. 6.4 kg/14.1 lbs	Approx. 7.3 kg/16.1 lbs	Approx. 8.0 kg/17.6 lbs

The Throw Distance Calculator should help you out. Please try it.
>>> panasonic.net/cns/projector/download/#calculator

Throw Ratio

	1.0	2.0	3.0	4.0	6.0	9.0

ET-**D3QW200** — 4K (0.548–0.650:1) / WUXGA (0.652–0.772:1)

ET-**D3QW300** — 4K (1.11-1.70:1) / WUXGA (1.32-2.02:1)

ET-**D3QS400** — 4K (1.43-2.09:1) / WUXGA (1.70-2.48:1)

ET-**D3QT500** — 4K (2.00-3.41:1) / WUXGA (2.36-4.03:1)

ET-**D3QT600** — 4K (2.69-3.88:1) / WUXGA (3.19-4.60:1)

ET-**D3QT700** — 4K (3.89-5.47:1) / WUXGA (4.61-6.49:1)

ET-**D3QT800** — 4K (4.97-7.76:1) / WUXGA (5.89-9.21:1)
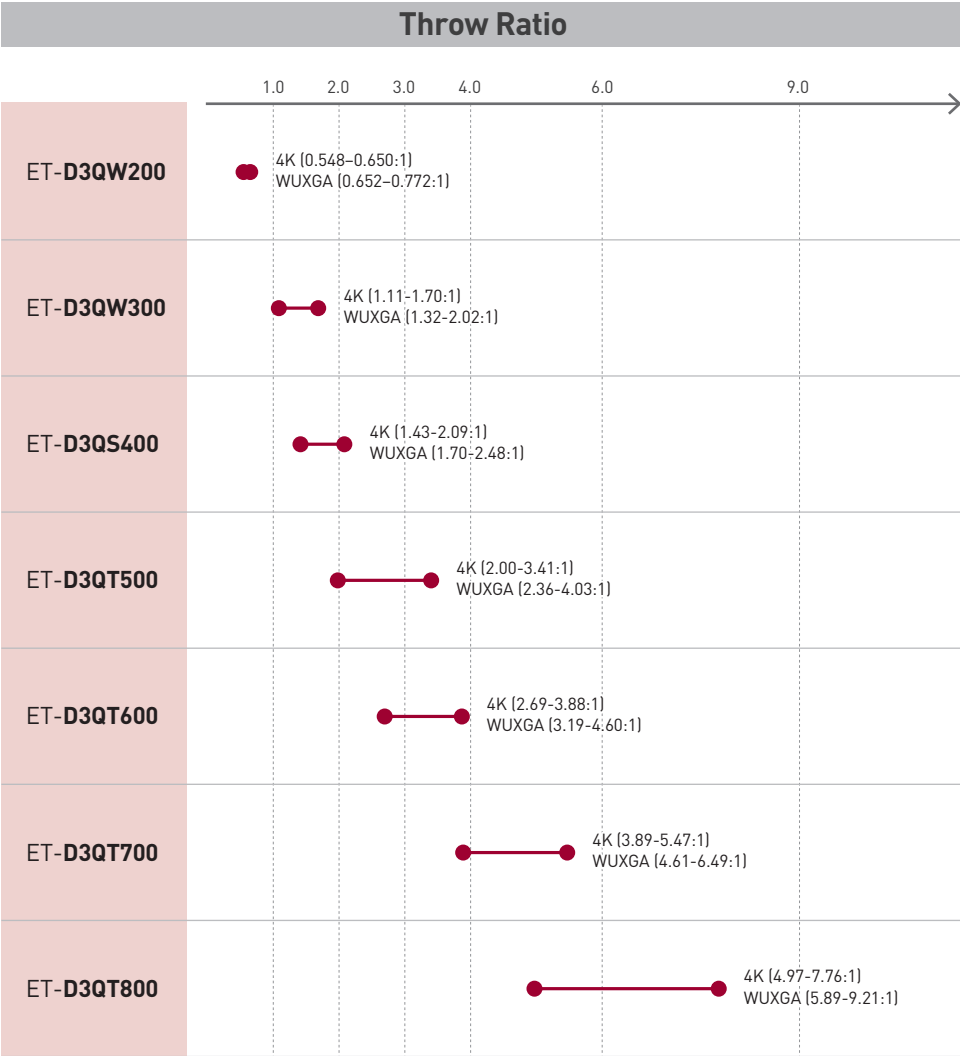
* Calibration is required each time the lens is mounted.

Optional Lenses for 3-Chip DLP™ Projector[1] (Large-Venue)

ID : Featuring Auto Lens Identification Function[2]   **M** : Stepping Motor for zoom in addition to focus.

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Fixed-focus lens	Zoom lens	Zoom lens
Model number	ET-D75LE95	ET-D3LEU100	ET-D3LEW200	ET-D3LEW50[3]	ET-D3LEW60	ET-D75LE6
		ID	ID M	ID	ID M	
F value	2.5	2.5	2.5	2.5	2.5	2.5
Focal distance (f)	7.5 mm	8.0 mm	13.8-18.1 mm	14.8 mm	19.63-23.54 mm	19.63-23.54 mm
Weight	Approx. 6.5 kg/14.3 lbs	Approx. 8.0 kg/17.6 lbs	Approx. 9.0 kg/19.8 lbs	Approx. 7.1 kg/15.7 lbs	Approx. 8.7 kg/19.2 lbs	Approx. 8.7 kg/19.2 lbs

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

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Lens Fixed Attachment	Lens Fixed Attachment
Model number	ET-D3LET40	ET-D75LE40	ET-D3LET80	ET-D75LE8	ET-PLF20	ET-PLF10
	ID M		ID M			
F value	2.5	2.5	2.5-2.7	2.5-2.7		
Focal distance (f)	96.6-154.9 mm	96.6-154.1 mm	154-289 mm	154-289 mm		
Weight	Approx. 5.0 kg/11.0 lbs	Approx. 5.0 kg/11.0 lbs	Approx. 8.5 kg/18.7 lbs	Approx. 8.5 kg/18.7 lbs		

Optional Lenses Compatibility Chart

	ET-D75LE95	ET-D3LEU100	ET-D3LEW200	ET-D3LEW50	ET-D3LEW60	ET-D75LE6	ET-D3LEW10	ET-D75LE10	ET-D3LES20	ET-D75LE20	ET-D3LET30	ET-D75LE30	ET-D3LET40	ET-D75LE40	ET-D3LET80	ET-D75LE8
PT-RQ35K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ34K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ22K	✓	✓[3]	✓[3]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ21K	✓	✓[3]	✓[3]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RS20K	✓	✓[3]	✓[3]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ16K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ13K	✓	✓[3]	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓
PT-RZ12K	✓	✓[3]	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓
ET-PLF20	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
ET-PLF10	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

	0.4 1.0 2.0 5.0 8.0
ET-D75LE95	4K+ (0.390:1) WUXGA, Full HD (0.364:1)
ET-D3LEU100	4K+ (0.397:1) WUXGA (0.370:1)
ET-D3LEW200	4K+ (0.693-0.913:1) WUXGA (0.645-0.850:1)
ET-D3LEW50	4K+ (0.746:1) WUXGA, Full HD (0.695:1)
ET-D3LEW60 ET-D75LE6	4K+ (0.991-1.18:1) WUXGA, Full HD (0.924-1.10:1)
ET-D3LEW10	4K+ (1.35-1.84:1) WUXGA, Full HD (1.26-1.72:1)
ET-D75LE10	4K+ (1.39-1.79:1) WUXGA, Full HD (1.30-1.67:1)
ET-D3LES20 ET-D75LE20	4K+ (1.79-2.59:1) WUXGA, Full HD (1.67-2.41:1)
ET-D3LET30	4K+ (2.58-5.00:1) WUXGA, Full HD (2.40-4.66:1)
ET-D75LE30	4K+ (2.58-5.00:1) WUXGA, Full HD (2.40-4.66:1)
ET-D3LET40	4K+ (4.94-7.94) WUXGA (4.61-7.41)
ET-D75LE40	4K+ (4.95-7.91:1) WUXGA, Full HD (4.62-7.38:1)
ET-D3LET80 ET-D75LE8	4K+ (7.87-14.8:1) WUXGA, Full HD (7.34-13.8:1)

1: Except for the PT-RQ50K.
2: Calibration is required each time the lens is mounted.
3: Projector may require the latest firmware update.

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

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

Lens type	Zoom lens	Fixed-focus lens	Fixed-focus lens	Zoom lens
Model number	ET-**DLE020**	ET-**DLE035**	ET-**DLE055**	ET-**DLE060**
F value	2.0	2.0	1.8	1.85-2.34
Focal distance (f)	4.1-4.4 mm	5.3 mm	11.9 mm	9.16-12.1 mm
Weight	Approx. 3.2 kg/7.05 lbs	Approx. 1.3 kg/3.1 lbs	Approx. 0.8 kg/1.8 lbs	Approx. 1.3 kg/2.9 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens (supplied lens)[1]
Model number	ET-**DLE085**	ET-**DLE105**	ET-**DLE150**	ET-**DLE170**
F value	1.85-2.20	1.85-2.35	1.8-2.4	1.7-1.9
Focal distance (f)	11.8-14.6 mm	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm
Weight	Approx. 1.3 kg/2.9 lbs	Approx. 1.2 kg/2.6 lbs	Approx. 1.1 kg/2.4 lbs	Approx. 0.9 kg/2.0 lbs

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

Optional Lenses Compatibility Chart

	ET-DLE020	ET-DLE035	ET-DLE055	ET-DLE060	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170	ET-DLE250	ET-DLE350	ET-DLE450
PT-RCQ10	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RCQ80	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ120	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ990	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ890	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ790	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ690	✓[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

	1.0 2.0 3.0 4.0 6.0 9.0
ET-**DLE020**	WUXGA (0.280-0.299:1)
ET-**DLE035**	WUXGA (0.380:1)
ET-**DLE055**	WUXGA (0.785:1)
ET-**DLE060**	WUXGA (0.600-0.801:1)
ET-**DLE085**	WUXGA (0.782-0.977:1)
ET-**DLE105**	WUXGA (0.978-1.32:1)
ET-**DLE150**	WUXGA (1.30-1.89:1)
ET-**DLE170**	WUXGA (1.71-2.41:1)
ET-**DLE250**	WUXGA (2.27-3.62:1)
ET-**DLE350**	WUXGA (3.58-5.45:1)
ET-**DLE450**	WUXGA (5.36-8.58:1)
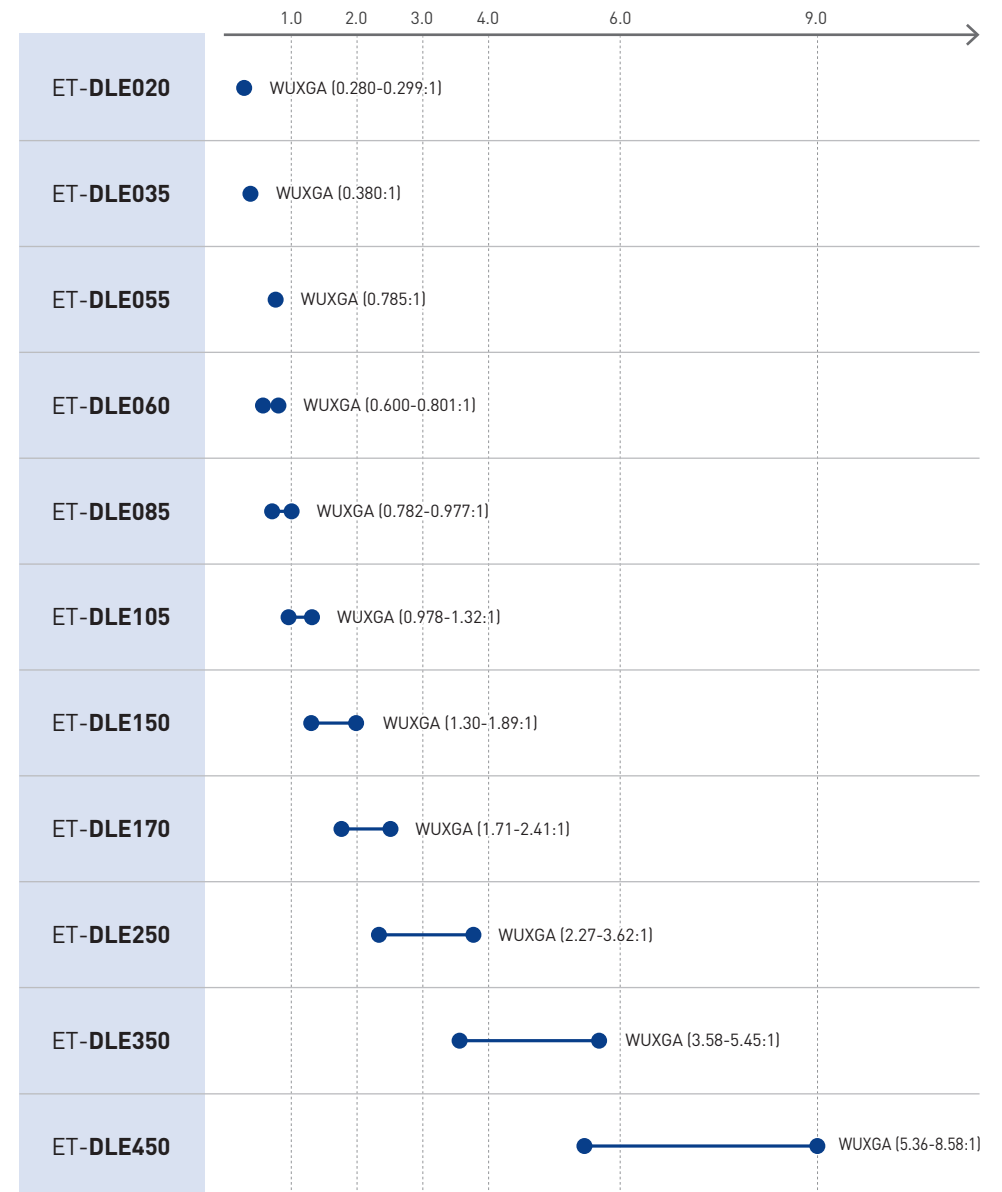
1: The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.
2: Projector may require the latest firmware update.

The Throw Distance Calculator should help you out. Please try it.
>>> panasonic.net/cns/projector/download/#calculator

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**EMU100**	ET-**EMW200**	ET-**EMW300**	ET-**EMW400**
F value	1.9	1.84-2.14	1.84-2.24	1.84-2.24
Focal distance (f)	7.22-7.72 mm	10.80-12.52 mm	12.31-15.43 mm	15.30-21.10 mm
Weight	Approx. 7.2 kg/15.87 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.05 kg/11.13 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**EMW500**	ET-**EMS600**	ET-**EMT700**	ET-**EMT800**
F value	1.80-2.35	1.75-2.17	1.82-2.53	1.85-2.39
Focal distance (f)	21.08-30.00 mm	29.90-46.32 mm	46.00-90.50 mm	90.30-162.60 mm
Weight	Approx. 5.15 kg/11.35 lbs	Approx. 3.70 kg/8.16 lbs	Approx. 4.55 kg/10.03 lbs	Approx. 4.75 kg/10.47 lbs

Optional Lenses Compatibility Chart

	ET-EMU100	ET-EMW200	ET-EMW300	ET-EMW400	ET-EMW500	ET-EMS600	ET-EMT700	ET-EMT800
PT-MZ16KL	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ13KL	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ10KL	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

Lens	Throw Ratio (WUXGA)
ET-**EMU100**	WUXGA (0.330–0.353:1)
ET-**EMW200**	WUXGA (0.480-0.550:1)
ET-**EMW300**	WUXGA (0.550-0.690:1)
ET-**EMW400**	WUXGA (0.690-0.950:1)
ET-**EMW500**	WUXGA (0.950-1.36:1)
ET-**EMS600**	WUXGA (1.35-2.10:1)
ET-**EMT700**	WUXGA (2.10-4.14:1)
ET-**EMT800**	WUXGA (4.14-7.40:1)

Large-Venue
Installation
Portable
Short Throw
Lenses
Features
Options
PressIT
Software/Apps

Large-Venue
Installation
Portable
Short Throw
Lenses
Features
Options
PressIT
Software/Apps
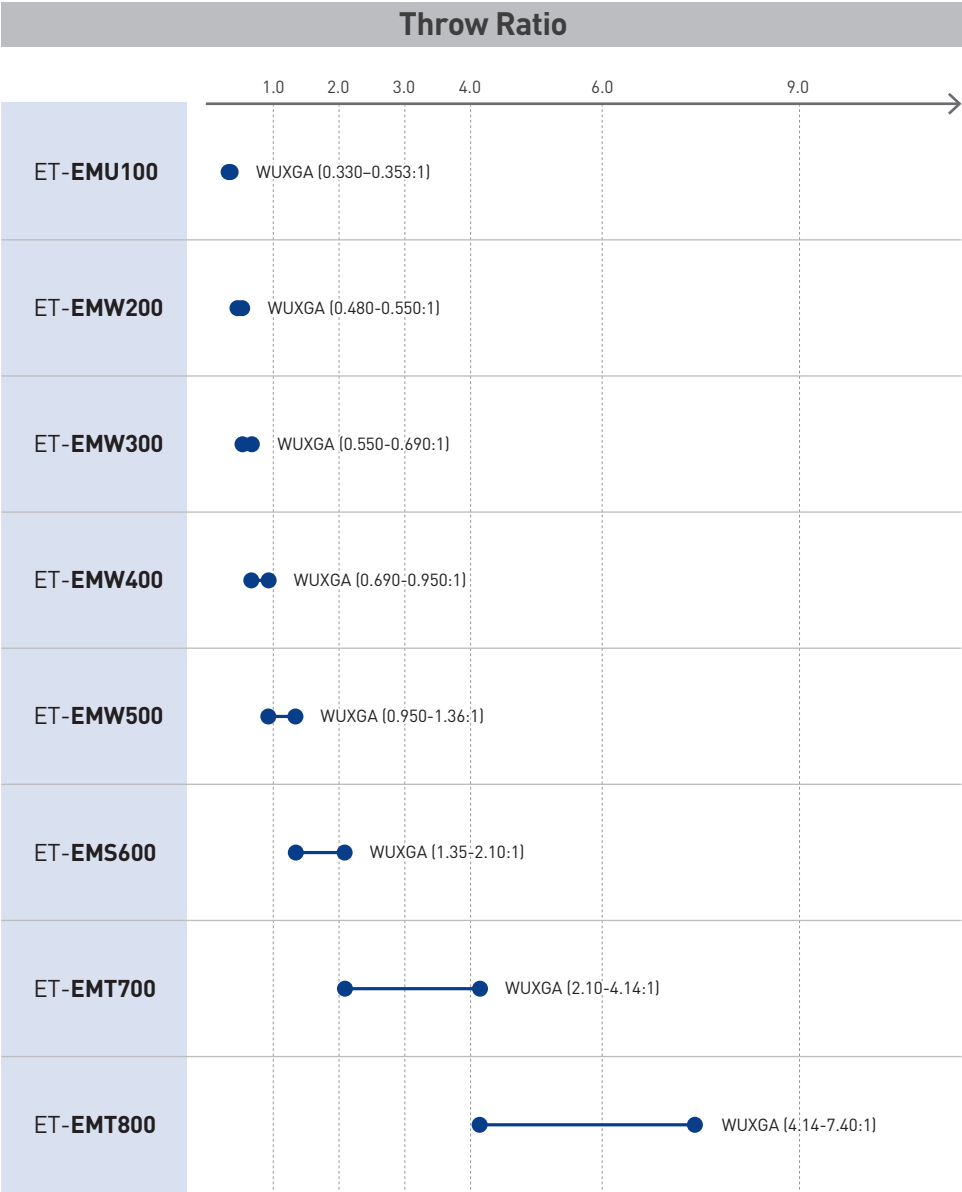
Optional Lenses for LCD Projector[1] (Installation)

Lens type	Zoom lens	Fixed-focus lens	Zoom lens	Zoom lens
Model number	ET-**ELU20**	ET-**ELW21**	ET-**ELW22**	ET-**ELW20**
F value	2.0	2.0	2.0-2.4	1.8-2.3
Focal distance (f)	5.43-5.82 mm	13.05 mm	13.27-16.56 mm	20.4-27.6 mm
Weight	Approx. 4.0 kg/8.82 lbs	Approx. 1.08 kg/2.4 lbs	Approx. 1.20 kg/2.7 lbs	Approx. 1.20 kg/2.6 lbs

Lens type	Zoom lens (supplied lens)[2]	Zoom lens	Zoom lens
Model number	ET-**ELS20**	ET-**ELT22**	ET-**ELT23**
F value	1.7-2.3	1.8-2.3	1.8-2.3
Focal distance (f)	26.9-45.4 mm	45.6-73.8 mm	73.9-117.1 mm
Weight	Approx. 0.9 kg/2.0 lbs	Approx. 1.18 kg/2.6 lbs	Approx. 1.20 kg/2.6 lbs

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

Optional Lenses Compatibility Chart

	ET-ELU20	ET-ELW21	ET-ELW22	ET-ELW20	ET-ELS20	ET-ELT22	ET-ELT23	ET-ELW31	ET-ELW30	ET-ELT30	ET-ELT31
PT-MZ880	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-MZ780	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-MZ680	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-EZ770Z	-	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-EW730Z	-	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-EX800Z	-	✓	✓	✓	✓	✓	✓	-	-	-	-
PT-EZ590	-	-	-	-	-	-	-	✓	✓	✓	✓
PT-EW650	-	-	-	-	-	-	-	✓	✓	✓	✓
PT-EW550	-	-	-	-	-	-	-	✓	✓	✓	✓
PT-EX620	-	-	-	-	-	-	-	✓	✓	✓	✓
PT-EX520	-	-	-	-	-	-	-	✓	✓	✓	✓

Throw Ratio

	1.0	2.0	3.0	4.0	6.0	9.0

ET-**ELU20** — WUXGA (0.330–0.353:1)

ET-**ELW21** — WUXGA (0.764:1) / WXGA (0.774:1) / XGA (0.776:1)

ET-**ELW22** — WUXGA (0.786-0.983:1) / WXGA (0.789-0.987:1) / XGA (0.802-1.00:1)

ET-**ELW20** — WUXGA (1.21-1.66:1) / WXGA (1.23-1.68:1) / XGA (1.23-1.69:1)

ET-**ELS20** — WUXGA (1.61-2.76:1) / WXGA (1.63-2.79:1) / XGA (1.63-2.81:1)

ET-**ELT22** — WUXGA (2.72-4.48:1) / WXGA (2.76-4.54:1) / XGA (2.77-4.56:1)

ET-**ELT23** — WUXGA (4.44-7.12:1) / WXGA (4.49-7.21:1) / XGA (4.51-7.24:1)

ET-**ELW31** — WUXGA (0.733-0.958:1) / WXGA (0.733-0.958:1) / XGA (0.791-1.08:1)

ET-**ELW30** — WUXGA (0.922-1.21:1) / WXGA (0.922-1.21:1) / XGA (1.00-1.30:1)

ET-**ELT30** — WUXGA (2.22-4.03:1) / WXGA (2.22-4.03:1) / XGA (2.39-4.36:1)

ET-**ELT31** — WUXGA (4.02-7.28:1) / WXGA (4.02-7.28:1) / XGA (4.34-7.86:1)

1: Except for the PT-MZ16KL/MZ13KL/MZ10KL.
2: The ET-ELS20 is equivalent of supplied lens. Availability varies depending on the country.

Features (Large-Venue, Installation)

Features	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RQ13K	PT-RZ12K	PT-RCQ10	PT-RCQ080	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55
Specification																				
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24/7 operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4K signal input	✓	✓	✓	✓	-	-	✓	-	✓	✓	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]
Picture Quality																				
Detail Clarity Processor 5+	✓	✓	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	✓	-	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓
System Daylight View 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dayilght View Basic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Dayilght View Lite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3D Ready	-	-	✓	-	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Installation																				
Multi Screen Suport System	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometric Adjustment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Multi-Unit Brightness and Color Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contrast Sync and Shutter Sync	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																				
Wireless Function	✓[2]	✓	✓	-	-	-	-	-	✓[2]	✓[2]	-	-	-	-	-	-	-	-	-	-
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-in-P	-	-	✓	-	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Backup Input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Emulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	✓	✓[3]	✓[3]	✓[3]	✓[3]	✓[3]	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
HDR compatible	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical Shutter	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Software																				
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Smart Projector Control	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1: HDMI/DIGITAL LINK input only.
2: To operate wireless projection, the optional Wireless Module is required.
3: Firmware will be available from February 2021.

Features (Installation)

Features	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL	PT-MZ880	PT-MZ780	PT-MZ680	PT-EZ770Z	PT-EW730Z	PT-EZ57	PT-EX800Z	PT-EZ590		PT-EW650	PT-EW550	PT-EX620	PT-EX520	PT-FZ570	PT-FW530	PT-FX500
Specification																			
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	-	✓	-	✓	✓	✓
24/7 operation	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
4K signal input	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	✓[1]	-	-	-	-	-		-	-	-	-	-	-	-
Picture Quality																			
Detail Clarity Processor 5+	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Detail Clarity Processor 4	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
System Daylight View 3	✓	✓	✓	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Dayilght View Basic	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Dayilght View Lite	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
3D Ready	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Installation																			
Multi Screen Suport System	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Geometric Adjustment	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Contrast Sync and Shutter Sync	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓		✓	✓	✓	✓	✓	✓	✓
Function																			
Wireless Function	-	-	-	-	-	-	-	-	✓[2]	-	✓[2]		✓[2]	✓[2]	✓[2]	✓[2]	✓[2]	✓[2]	✓[2]
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
P-in-P	-	-	-	-	-	-	✓	✓	-	✓	-		-	-	-	-	-	-	-
Backup Input	✓	✓	✓	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Emulation	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Data Cloning Function	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Mechanical Shutter	-	-	-	-	-	-	✓	✓	-	✓	✓		✓	-	✓	✓	-	-	-
Software																			
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-
Presenter Light	-	-	-	-	-	-	-	-	✓	-	✓		✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Smart Projector Control	✓	✓	✓	✓	✓	✓	-	-	-	-	-		-	-	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓

1: HDMI/DIGITAL LINK input only.
2: To operate wireless projection, the optional Wireless Module is required.

Features (Portable, Short Throw)

Features	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Specification																							
DIGITAL LINK	✓	✓	✓	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24/7 operation	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4K signal input	✓[1]	✓[1]	✓[1]	✓[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Picture Quality																							
Detail Clarity Processor 5+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dayilght View Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
Dayilght View Lite	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3D Ready	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation																							
Multi Screen Suport System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometric Adjustment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contrast Sync and Shutter Sync	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																							
Wireless Function	✓[2]	✓[2]	✓[2]	✓[2]	✓	-	✓	-	✓	-	-	✓[2]	✓[2]	✓[2]	✓[2]	✓[2]	✓[2]	✓[2]	-	✓[2]	✓[2]	✓[2]	✓[2]
Mirroring Function	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	✓	✓	✓	✓	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
P-in-P	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
Backup Input	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emulation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical Shutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software																							
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	✓	✓	✓	✓	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Geometry Manager Pro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smart Projector Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1: HDMI/DIGITAL LINK input only. Supports signal up to 4K/30p.
2: To operate wireless projection, the optional Wireless Module required.
3: HDMI input only. Supports signal up to 4K/30p.

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

Model Type	Model Number	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K	PT-RS20K		PT-RQ13K	PT-RZ12K
Ceiling mount bracket										
High ceiling mount bracket	ET-PKD520H	-	-	-	✓	✓	✓		✓	✓
Low ceiling mount bracket	ET-PKD520S	-	-	-	✓	✓	✓		✓	✓
Projector mount bracket	ET-PKD520B	-	-	-	✓	✓	✓		✓	✓
Frame	ET-PFD510[1]	-	-	-	✓	✓	✓		✓	✓
Replacement filter unit										
Replacement filter unit	ET-EMF330	-	-	-	-	-	-		✓	✓
Smoke cut filter	ET-SFR330[2]	-	-	-	-	-	-		✓	✓
Wireless module										
Wireless module	AJ-WM50	✓	✓	✓	-	-	-		-	-
Peripheral										
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓		✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓		✓	✓
Software										
Early Warning Software	ET-SWA100 Series[3]	✓	✓	✓	✓	✓	✓		✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓[5]	✓[5]	✓[5]	✓	✓	✓		✓	✓
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P[4]	✓[5]	✓[5]	✓[5]	✓	✓	✓		✓	✓
Interface board										
DVI-D input signal board	ET-MDNDV10	✓	✓	✓	✓	-	-		✓	-
HDMI input signal board	ET-MDNHM10	✓	✓	✓	✓	-	-		✓	-
12G-SDI signal board	ET-MDN12G10	✓	✓	✓	✓	-	-		✓	-
3G-SDI input signal board	TY-TBN03G	-	✓	✓	✓	-	-		✓	-
12G-SDI optical board	ET-MDNFB10	✓	✓	✓	✓	-	-		-	-
DisplayPort input signal board	ET-MDNDP10	✓	✓	✓	✓	-	-		-	-

1: This frame cannot be used when the separately sold ET-D75LE95 fixed focus lens is attached to the projector.
2: The smoke cut filter is an air filter unit for an applicable Panasonic projector, for when the projector is used at events or other situation where smoke, fog or haze is being generated as a special effect.
3: The suffix of the model number differs according to the license type.
4: The availability varies depending on the country.
5: Features are built into the projector, no need for activation.

Large-Venue

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

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

Model Type	Model Number	PT-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55
Ceiling mount bracket													
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H[1]	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Bracket assembly	ET-PKD130B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless module													
Wireless module	AJ-WM50	✓	✓	-	-	-	-	-	✓	✓	-	-	-
Peripheral													
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	✓	✓	✓
Software													
Early Warning Software	ET-SWA100 Series[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓	✓	✓	✓	✓	✓	✓	✓[4]	✓[4]	-	-	-
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P[3]	✓	✓	✓	✓	✓	✓	✓	✓[4]	✓[4]	-	-	-
Interface board													
DVI-D input signal board	ET-MDNDV10	✓	✓	-	-	-	-	-	-	-	-	-	-
HDMI input signal board	ET-MDNHM10	✓	✓	-	-	-	-	-	-	-	-	-	-
12G-SDI signal board	ET-MDN12G10	✓	✓	-	-	-	-	-	-	-	-	-	-
12G-SDI optical board	ET-MDNFB10	✓	✓	-	-	-	-	-	-	-	-	-	-
DisplayPort input signal board	ET-MDNDP10	✓	✓	-	-	-	-	-	-	-	-	-	-

1: Recommended when used with the ET-DLE035.
2: The suffix of the model number differs according to the license type.
3: The availability varies depending on the country.
4: Features are built into the projector, no need for activation.

Optional Accessories for LCD Projector (Installation)

Model Type	Model Number	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL	PT-MZ880	PT-MZ780	PT-MZ680	PT-EZ770Z	PT-EW730Z	PT-EZ57	PT-EX800Z	PT-EZ590	PT-EW650	PT-EW550	PT-EX620	PT-EX520	PT-FZ570	PT-FW530	PT-FX500
Replacement lamp unit																			
400 W UHM lamp x 1	ET-LAE300	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-
320 W UHM lamp x 1	ET-LAEF100	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Ceiling mount bracket																			
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H[1]	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKE301B	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Bracket assembly	ET-PKE300B	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Replacement filter unit																			
Replacement filter unit	ET-RFE300	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Replacement filter unit	ET-RFF200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Replacement filter unit	ET-RFM100	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Wireless module																			
Wireless module	ET-WML100[2]	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Peripheral																			
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Software																			
Early Warning Software	ET-SWA100 Series[4]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P[3]	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

1: Recommended when used with the ET-EMU100.
2: Stock limited.
3: The availability varies depending on the country.
4: The suffix of the model number differs according to the license type.

Optional Accessories for LCD Projector (Portable, Short Throw)

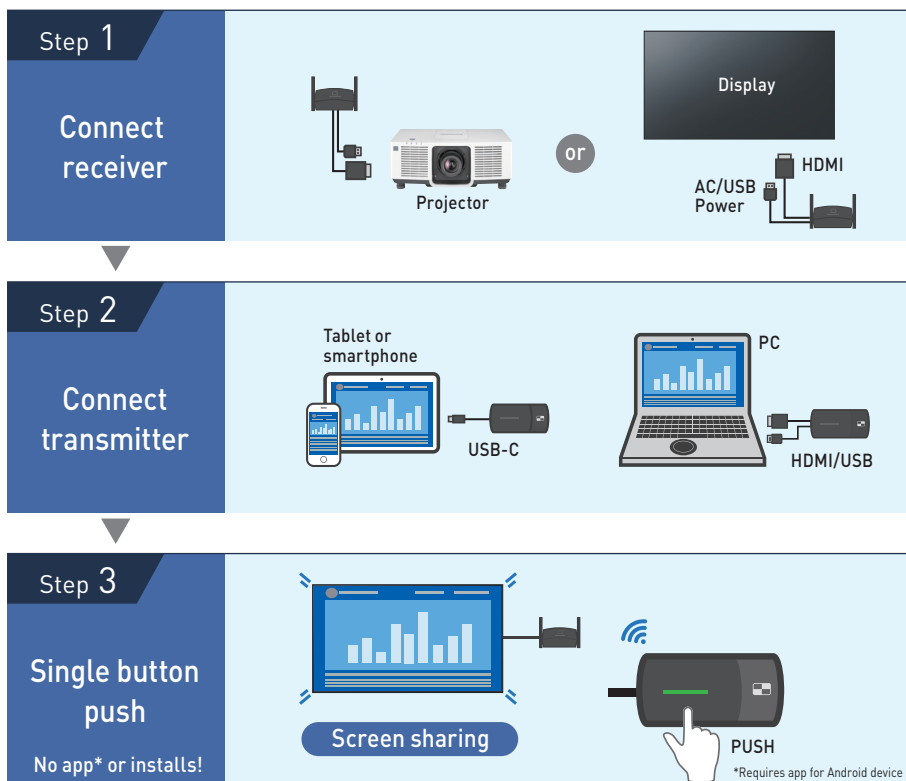| Model Type	Model Number	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Replacement lamp unit																								
270 W UHM lamp x 1	ET-LAV400	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAV300	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAL510	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ceiling mount bracket																								
Bracket assembly	ET-PKV400B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
High ceiling mount bracket	ET-PKL100H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKL100S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKL430B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓
Bracket assembly	ET-PKL420B	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-
Replacement filter unit																								
Replacement filter unit	ET-RFV500	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV410	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV400	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV300	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFL300	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless module																								
Wireless module	ET-WML100[1]	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Wireless module	AJ-WM50	✓	✓	✓	✓	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Easy wireless stick	ET-UW100	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peripheral																								
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interactive Light pen	ET-PEN100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
Interactive Pointer	ET-PNT100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Software																								
Early Warning Software	ET-SWA100 Series[2]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓

1: Stock limited.
2: The suffix of the model number differs according to the license type.

Wireless Presentation System "PressIT"

"PressIT" is a Panasonic's Wireless Presentation System that allows easy screen collaboration with just a single press of a button on a transmitter.

1 Easy connections with no app
2 Single button push a screen sharing
3 Multi-screen sharing up to 4

Step 1
Connect receiver

Projector — or — Display

AC/USB Power — HDMI

Step 2
Connect transmitter

Tablet or smartphone — USB-C

PC — HDMI/USB

Step 3
Single button push

No app* or installs!

Screen sharing — PUSH

*Requires app for Android device

Connects to mobile devices
Genuine Digital AV adaptor by Apple is required.

Presents 4 screens in Full HD
(supports 4K)

High-definition video
max. resolution:
1920 x 1080 pixels, 60p

Low latency image

Connects up to 32 transmitters at once

Lock mode prevents interrupts

HDMI-CEC command compatible

Supports audio transmission

Lineup

| [1] Receiver (Box) | [2] Receiver (Board) *Attachable to a display compatible with Intel® SDM specification slot. | [3] Transmitter (HDMI/USB) | [4] Transmitter (USB Type-C) | [5] Transmitter case |

	Basic Set		Receiver (Board)	Transmitter (HDMI)		Transmitter (USB Type-C)	
Model	TY-WPS1	TY-WPSC1	TY-SB01WP	TY-WP2B1	TY-WPB1	TY-WP2BC1	TY-WPBC1
Applicable product	Flat Panel Display / Projector (Panasonic and others)	PC/Tablet/Smartphones	*Attachable to a display compatible with Intel® SDM specification slot.	PC/Tablet/Smartphone			
What's included?	[1] Receiver (Box) x1 [3] Transmitter (HDMI) x2 [5] Transmitter case x1	[1] Receiver (Box) x1 [4] Transmitter (USB Type-C) x2 [5] Transmitter case x1	[2] Receiver x1	[3] Transmitter (HDMI) x2 [5] Case x1	[3] Transmitter (HDMI) x1	[4] Transmitter (USB Type-C) x2 [5] Case x1	[4] Transmitter (USB Type-C) x1

Specifications

Product		Receiver (Box)	Receiver (Board)[1]	Transmitter (HDMI)	Transmitter (USB Type-C)
Max resolution/ Framerate		1920 x 1080/60p (max), 3840 x 2160/30p (max)		1920 x 1080/60p (max)	
Number of simultaneous connections		32		–	
Number of sources simultaneous on screen		4		–	
Data Rate	Wired	10/100/1000 (Mbps)		–	
	Wireless	Max. 867 Mbps		Max. 433 Mbps	
Frequency band		5 GHz band 5,150 MHz – 5,250 MHz 36 40 44 48 Channel			
Wireless transmission protocol		IEEE802.11/a/n/ac		IEEE802.11ac	
Security		WPA/WPA2		WPA2	
Reach (Max distance between transmitter and receiver)		Max. 30 m (When the line of sight/wave conditions are good)			
Terminals		HDMI/USB-A (female) /RJ45(LAN)		HDMI/USB-A (female)/ USB-A (male)	USB-C (female)/ USB-A (male)
Power		DC 5 V/2 A	12 V/0.9 A (Display Power supply)	DC 5 V/0.9 A	
Power consumption		10 W	10 W	4.5 W	
Operating Environment	Temperature	0 °C to 35 °C (32 °F to 95 °F)	0 °C to 55 °C (32 °F to 131 °F)	0 °C to 35 °C (32 °F to 95 °F)	
	Humidity	20 % to 80 % (No condensation)	20 % to 80 % (No condensation)	20 % to 80 % (No condensation)	
Dimensions (W x H x D)		120 x 26 x 81 mm / 4.71" x 1.03" x 3.19" (Excluding antenna)	82 x 25 x 122 mm/ 3.22" x 0.99" x 4.78" (Excluding antenna)	51 x 21 x 73 mm / 2.00" x 0.80" x 2.86" (Excluding cables)	51 x 26 x 73 mm / 2.00" x 1.00" x 2.86" (Excluding cables)
Weight		Approx. 181 g / 0.4 lbs	Approx. 125 g / 0.3 lbs	Approx. 110 g / 0.3 lbs	Approx. 110 g / 0.3 lbs

1: Attachable to a display compatible with Intel® SDM specification slot.

*Case: Dimensions (W x H x D: 151.3 x 41.6 x 198.0 mm (6.0" x 1.7" x 7.8")),
       Weight: Approx. 315 g/ 0.7 lbs

For more information, please visit the following website.
https://panasonic.net/cns/prodisplays/pressit

Fisheye Lens / Stepping Motor Kit for Optional Lenses

OPTION

Installation

Portable

Short Throw

Lenses

Features

Options

PressIT

Software/Apps

High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications

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

Features

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

* Supports the PT-D7500 3-Chip DLP™ projector and later models, except for the PT-RQ50K.

Software: Fisheye Lens Simulator

The Fisheye Lens Simulator simulates the screen shape and the screen size in relation to the projection position when using a ET-D3LEF70 Fisheye Lens. Please try it out!

Planetariums, Dome Theaters, and Theme Parks

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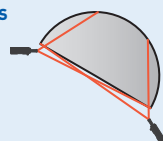
Events and Exhibitions

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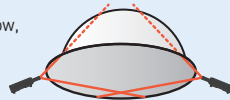
Simulators

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

Supporting Accurate Installation

Stepping Motor Kit
ET-**D75MKS10**[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.

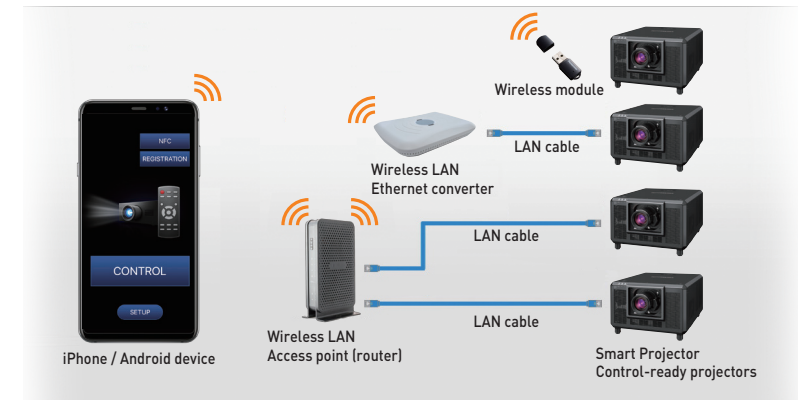| Model number	ET-D75MKS10
Dimensions (W x H x D)	101 x 82.5 x 59 mm (3-31/32 x 3-1/4 x 2-5/16 inches)
Weight[2]	Approx. 145 g/0.3 lbs
Supported lens	ET-D75LE10, ET-D75LE20, ET-D75LE30, ET-D75LE40, ET-D75LE6, ET-D75LE8
Supported projectors	PT-RQ35K/RZ34K, PT-RQ22K, PT-RZ21K/RS20K, PT-RZ16K

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

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Smart Projector Control

SOFTWARE

Smart Projector Control is a smartphone application that enables various controls, from turning the power on and off to various lens adjustments.

Advantages

- The projector can be set and operated from the smartphone application, so there is no hassle associated with the remote control or main body buttons.
- 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.

Wireless module

LAN cable

Wireless LAN
Ethernet converter

LAN cable

iPhone / Android device

Wireless LAN
Access point (router)

LAN cable

Smart Projector
Control-ready projectors

What you can do with Smart Projector Control

1. Turn the Projector On and Off
   Open (off) and Close (on) the Shutter (AV mute control)
   Display/Hide the On-Screen Menu
2. Confirm and Switch the Input Signals
3. Switch and Display the Test Patterns
4. Menu Settings (onscreen menu operation)
5. Lens Control (adjust the shift/zoom/focus)
6. Display the Projector Status
7. Link Predictive Monitoring Software
   (monitoring screen, settings and help display)

Control screen

Test pattern screen

Download Smart Projector Control (free) from App Store or Google Play.

Download on the App Store

GET IT ON Google Play

For more information, please visit the website. **>>>panasonic.net/cns/projector/download/application/smartpj/**

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Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability — FEATURES

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

Geometric Adjustment (free)

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

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

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

Geometry   Edge blending   Color matching
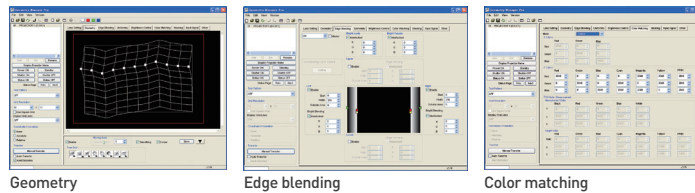
■ Upgrade Kit for Geometry Manager Pro (ET-UK20)

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

■ Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)[1]

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

Compatible Projector Models

	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RZ16K	PT-RQ13K	PT-RZ12K	PT-RCQ10	PT-RCQ80	PT-RZ120
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes[2]	Yes[2]	Yes[2]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-CUK10/CUK10P[1]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL	PT-MZ880	PT-MZ780	PT-MZ680
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes[2, 3]	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No
ET-CUK10/CUK10P[1]	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No

1: A firmware update is required to use these functions. Availability varies depending on the country. For more information, please contact the sales company in your region.
2: Features are built into the projector, no need for activation.
3: Some features are only available from Summer 2022.

Projector & Professional Display Asset Support System
PASS — Global Concierge for the Lifetime

For downloading/activating the software and optional upgrade kits
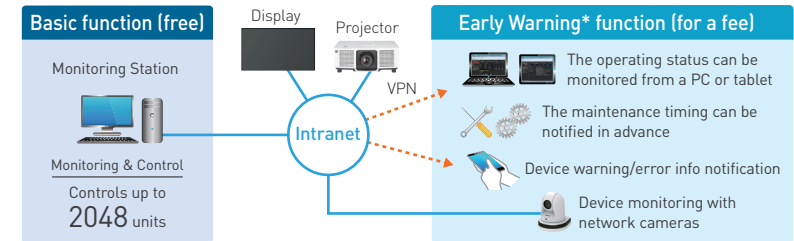
PASS (Projector & Professional Display Asset Support System)

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

Multi Monitoring & Control Software — SOFTWARE

This free Panasonic software offers monitoring and control of up to 2,048 projectors and professional displays over a LAN network from a single PC to simplify management and maintenance while supporting stable operation. Also, by purchasing Early Warning Functions, you can remotely control and monitor the system with a web browser on a notebook PC or tablet device.

Basic function (free)
Monitoring Station
Monitoring & Control
Controls up to 2048 units

Display   Projector   VPN   Intranet

Early Warning* function (for a fee)
- The operating status can be monitored from a PC or tablet
- The maintenance timing can be notified in advance
- Device warning/error info notification
- Device monitoring with network cameras

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

Remote Preview Function

Preview content remotely

Preview PC screen

Content — Media Server

Remote Preview Saves Time and Unnecessary Stress

Newly introduced within Multi Monitoring & Control Software and also accessible via web browser, Remote Preview allows projectionists to check the content being received by the projector via a Wi-Fi®- or LAN-connected laptop. It works with the projector in Standby, with the shutter on, or when direct sunlight makes inspecting on-screen images difficult.
It gives a chance to fix errors between the source and projector before setup is completed.
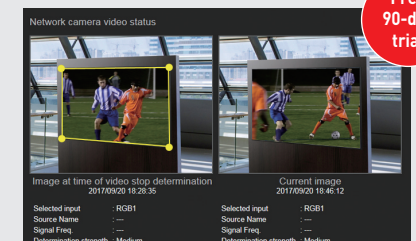
Early Warning Function (ET-SWA100)

Free 90-day trial

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
Get an instant notification if the screen blanks or freezes during playback. Video can be recorded to identify where and when the problem occurred.

Network camera video status
Image at time of video stop determination   2017/09/20 18:28:35   Current image   2017/09/20 18:46:12
Selected input : RGB1   Source Name : —   Signal Freq. : —   Determination strength : Medium
Selected input : RGB1   Source Name : —   Signal Freq : —   Determination strength : Medium

The captured image when an abnormality happens is stored

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.

Utility Software can be downloaded from PASS
- Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)
- NFC Upgrade Kit (ET-NUK10)
- 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/