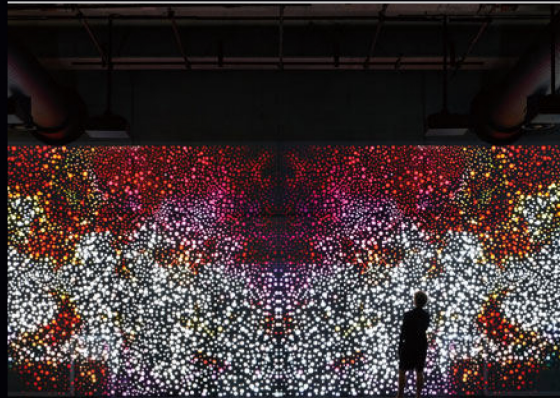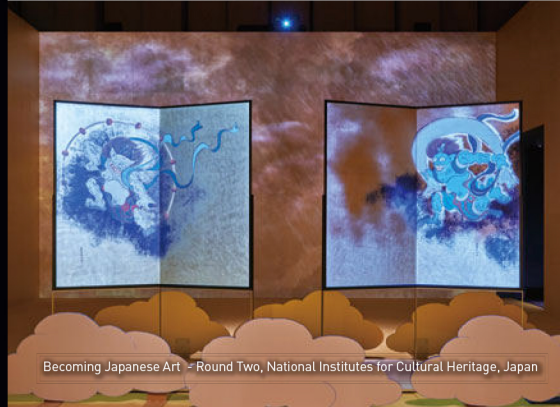# Panasonic
BUSINESS

Daniel Boyd, VIDEO WORKS, 2020, Carriageworks, Austrailia

Tokyo Portcity Takeshiba, Japan

Becoming Japanese Art - Round Two, National Institutes for Cultural Heritage, Japan

PROJECTORS
Line-up Catalog June 2021

Panasonic®

www.panacenter.at

All information included here is valid as of June 2021.

Worldwide Olympic Partner | Worldwide Paralympic Partner

Panasonic Projectors product lineup

3-Chip DLP™ Laser light source models

1-Chip DLP™ Laser light source models

LCD models

SOLID SHINE Series

50,000 lm

- PT-**RQ50K** >P3 — 50,000 lm — 4K
- PT-**RQ35K** >P3 — 30,500 lm — 4K *Resolution 3840 x 2400 Pixels (Quad Pixel Drive: ON).
- PT-**RZ34K** Series >P4 — 30,500 lm
- PT-**RQ22K** >P5 — 20,000 lm — 4K *Resolution 5120 x 3200 Pixels (Quad Pixel Drive: ON).
- PT-**RZ21K** Series >P5 — 20,000 lm
- PT-**RZ16K** Series* >P7 — 16,000 lm *Available in Japan, US and restricted areas in South America.

10,000 lm

- PT-**RQ13K** >P7 — 10,000 lm — 4K *Resolution 5120 x 3200 Pixels (Quad Pixel Drive: ON).
- PT-**RZ12K** Series >P8 — 12,000 lm
- PT-**RCQ10** Series >P9 — 8,000–10,000 lm — ACCEPTS 4K
- PT-**RZ120** >P10 — 12,000 lm — ACCEPTS 4K* *HDMI/DIGITAL LINK input only.
- PT-**MZ16K** Series >P13 — 10,000–16,000 lm — ACCEPTS 4K* *HDMI/DIGITAL LINK input only.
- PT-**RZ990** Series >P10 — 6,000–9,400 lm — ACCEPTS 4K* *HDMI/DIGITAL LINK input only.
- **NEW** 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
- PT-**EZ590** Series >P17 — 5,000–6,200 lm
- PT-**VZ580** Series >P24 — 5,000–5,500 lm

5,000 lm

- PT-**FRZ60** Series >P12 — 5,200–6,000 lm — ACCEPTS 4K* *HDMI/DIGITAL LINK input only.
- PT-**FRZ55** Series >P12 — 5,000 lm — ACCEPTS 4K* *HDMI/DIGITAL LINK input only.
- PT-**VMZ60** Series >P22 — 4,500–6,000 lm — ACCEPTS 3 4K* *HDMI/DIGITAL LINK input only.
- PT-**FZ570** Series >P19 — 4,500–5,000 lm
- PT-**VW360** Series >P27 — 4,000–4,500 lm

1-Chip DLP™ LED light source models

- PT-**JX200** >P33 — 2,000 lm
- PT-**JW130** >P33 — 1,000 lm
- PT-**LRZ35** Series >P21 — 3,500 lm
- PT-**TW381R** Series >P31 — 3,200–3,800 lm
- PT-**VZ470** >P26 — 4,400 lm
- PT-**LB426** Series >P28 — 3,100–4,100 lm

Legend:
- ● **Large-Venue**
- ● **Installation**
- ● **Portable**
- ● **Short Throw**
- ● **Space Player**

Large-Venue

	PT-**RQ50K**	PT-**RQ35K**	PT-**RZ34K**	PT-**RS30K**
	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	30,000 lm / 31,000 lm (Center)*7 SXGA+
	* 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
DLP Chip — Panel size	35.1 mm (1.38 in)	24.4 mm (0.96 in)	24.4 mm (0.96 in)	24.1 mm (0.95 in)
DLP Chip — Aspect ratio	17:9	16:10	16:10	4:3
DLP Chip — 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	1,470,000 (1,400 x 1,050) pixels
Light source	Laser diodes	Laser diodes	Laser diodes	Laser diodes
Light output	50,000 lm (NORMAL) / 51,000 lm (Center)*7	30,500 lm (NORMAL) / 32,000 lm (Center)*7	30,500 lm (NORMAL) / 32,000 lm (Center)*7	30,000 lm (HIGH) / 31,000 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)	18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)
Resolution	Native 4K (4,096 x 2,160)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)
Contrast ratio (full on/full off)	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
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: ±50 %*13, Horizontal: ±30 %*13 (powered)
Filter Replacement Cycle	- (No filter)	- (No filter)	- (No filter)	4,000 hours (NORMAL)/2,000 hours (HIGH)/ 20,000 hours (LONG LIFE1/2/3)
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 input 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 input boards, SLOT NX compatible (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 (RS232C)] 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 900 mA)]
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	100-240 V AC, 50/60 Hz*9
Power consumption	4,100 W	2,550 W	2,450 W	2,870 W
BTU value	Max. 13,560 BTU	Max. 8,713 BTU	Max. 8,371 BTU	Max. 9,806 BTU
Operation noise	52 dB	49 dB (Normal)/46 dB (Quiet)	49 dB (Normal)/46 dB (Quiet)	49 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)	700 x 418 x 1070 mm (27-9/16 x 16-15/32 x 42-1/8 in)
Weight*5	Approx. 126 kg/278 lbs	Approx. 69.8 kg/154 lbs	Approx. 68.6 kg/152 lbs	Approx. 79.0 kg/174.2 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-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-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-NUK10 (NFC Upgrade Kit)*10	ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter unit) ET-SFR330 (Smoke cut filter) ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
Optional lens	Yes (see the Optional Lenses page: P35)	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 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 ±40 % and horizontal ±20 % with the ET-D75LE6/ET-D3LEW60.

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

Large-Venue

		PT-**RQ22K**	PT-**RZ21K**	PT-**RS20K**
		SOLID SHINE LASER / 4K*¹	SOLID SHINE LASER	SOLID SHINE LASER
		20,000 lm / 21,000 lm (Center)*⁷ 4K⁺*⁶	20,000 lm / 21,000 lm (Center)*⁷ WUXGA	20,000 lm / 21,000 lm (Center)*⁷ SXGA+
		* Lens sold separately.	* Lens sold separately.	* Lens sold separately.
Projector type		3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
DLP Chip	Panel size	22.9 mm (0.9 in)	24.4 mm (0.96 in)	24.1 mm (0.95 in)
	Aspect ratio	16:10	16:10	4:3
	Number of pixels	4,096,000 (2,560 x 1,600) pixels	2,304,000 (1,920 x 1,200) pixels	1,470,000 (1,400 x 1,050) pixels
Light source		Laser diodes	Laser diodes	Laser diodes
Light output		20,000 lm (NORMAL) / 21,000 lm (Center)*⁷	20,000 lm (NORMAL) / 21,000 lm (Center)*⁷	20,000 lm (NORMAL) / 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]	20,000 hours [NORMAL]/ 24,000 hours [ECO]
Resolution		4K⁺ (5,120 x 3,200)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)
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)*⁸	1.78-25.4 m (70-1,000 in)*⁸	1.78-25.4 m (70-1,000 in)*⁸
Lens shift*²		Vertical: ±59 %*⁹, Horizontal: ±29 %*⁹ (powered)	Vertical: ±55 %*¹¹, Horizontal: ±20 %*¹¹ (powered)	Vertical: ±50 %*¹², Horizontal: ±30 %*¹² (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)	- (No filter)
Terminals		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 input 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))]	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		200-240 V AC, 8.5 A, 50/60 Hz*¹⁰	200-240 V AC, 50/60 Hz*¹⁰	200-240 V AC, 50/60 Hz*¹⁰
Power consumption		1,650 W	1,510 W	1,510 W
BTU value		Max. 5,364 BTU	Max. 5,159 BTU	Max. 5,159 BTU
Operation noise		46 dB	46 dB	46 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)	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. 54.0 kg/119 lbs	Approx. 49.0 kg/108 lbs	Approx. 49.0 kg/108 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-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-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-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)
Optional lens		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 cannot be used or its range of operation is limited with a fixed-focus lens. *3: Height: with legs at shortest position. *4: Depth: protruding parts not included. *5: Average value. Each product has an individual variable in weight. *6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON)*7: Luminance measured at center of screen.

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

SOFTWARE — Smart Projector Control

Smart Projector Control is an application software for smartphones that enables the operation of Panasonic projectors. By connecting your iPhone/Android terminal to a projector with wireless LAN (Wi-Fi,) a variety of controls, such as turning the power on and off to various lens adjustments are possible. 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!
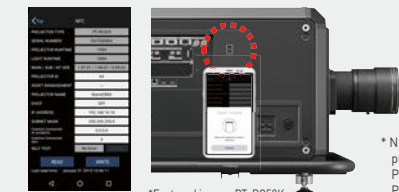
*Featured image: PT-RQ50K

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

Auto Focus Function

1. The lens focus can be adjusted with the remote control or smartphone
2. Automatically adjust the lens focus

Adjusting the focus is easy even after installing the projector!
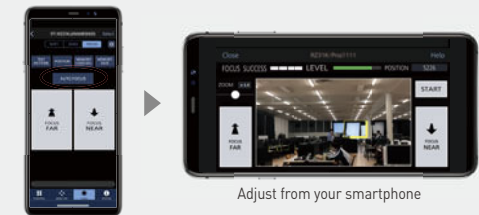
Adjust from your smartphone

*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.

See page 65 for the basic information

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

Large-Venue
Installation
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Features
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Large-Venue

		PT-**RZ16K**[*6]	PT-**RQ13K**	PT-**RZ12K**	PT-**RS11K**
		16,000 lm / 16,800 lm (Center)[*7] WUXGA	10,000 lm 4K+ [*10]	12,000 lm WUXGA	12,000 lm SXGA+
		* 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
DLP Chip	Panel size	24.4 mm (0.96 in)	22.9 mm (0.9 in)	24.4 mm (0.96 in)	24.1 mm (0.95 in)
	Aspect ratio	16:10	16:10	16:10	4:3
	Number of 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	1,470,000 (1,400 x 1,050) pixels
Light source		Laser diodes	Laser diodes	Laser diodes	Laser diodes
Light output		16,000 lm (NORMAL) / 16,800 lm (Center)[*7]	10,000 lm	12,000 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)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)
Resolution		WUXGA (1,920 x 1,200)	4K+ (5,120 x 3,200)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.78-25.4 m (70-1,000 in)[*8]	1.78-25.4 m (70-1,000 in)[*8]	1.78-25.4 m (70-1,000 in)[*8]	1.78-25.4 m (70-1,000 in)[*8]
Lens shift[*2]		Vertical: ±55 %[*9], Horizontal: ±20 %[*9] (powered)	Vertical: ±59 %[*11], Horizontal: ±29 %[*11] (powered)	Vertical: ±55 %[*9], Horizontal: ±20 %[*9] (powered)	Vertical: ±50 %[*12], Horizontal: ±30 %[*12] (powered)
Filter Replacement Cycle		- (No filter)	20,000 hours	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 input 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]	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		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption		1,100 W	1,270 W	1,200 W	1,200 W
BTU value		Max. 3,755 BTU	Max. 4,334 BTU	Max. 4,096 BTU	Max. 4,096 BTU
Operation noise		42 dB	46 dB	43 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)	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	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/PLF20 (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)	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: 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 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: Available in Japan, US and restricted areas in South America. *7: Luminance measured at center of screen.

*8: 1.78-15.24 m (70-600 in) with the ET-D75LE8/D3LET80. 3.05-15.24 m (120-600 in) with the ET-D75LE95. *9: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60. *10: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON) *11: Vertical ±44 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60. *12: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6/ET-D3LEW60.

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

Installation

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Installation

Portable

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Space Player

Lenses

Features

Options

PressIT

Software/Apps

	PT-RCQ10 / PT-RCQ10L[*6]	**PT-RCQ80 / PT-RCQ80L**[*6]	**PT-RZ120 / PT-RZ120L**[*6]	**PT-RZ990 / PT-RZ990L**[*6]	**PT-RZ890 / PT-RZ890L**[*6]
	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)
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	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 (2,715x1,697) dots[*8]	4,608,000 (2,715x1,697) 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 (1.7-2.4:1) (PT-RCQ10)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RCQ80)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ120)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ990)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (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 input 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 input 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
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-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-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: P39)	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: P39)

*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-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.

Installation

		PT-**RZ790** / PT-**RZ790L**[*6]	PT-**RZ690** / PT-**RZ690L**[*6]	PT-**FRZ60**[*10]	PT-**FRZ50**[*10]	PT-**FRZ55**[*10]
		7,000 lm / 7,200 lm (Center)[*8] WUXGA *Available in black/white cabinet.	6,000 lm / 6,200 lm (Center)[*8] WUXGA *Available in black/white cabinet.	6,000 lm / 6,200 lm (Center)[*8] WUXGA *Available in black/white cabinet.	5,200 lm / 5,400 lm (Center)[*8] WUXGA *Available in black/white cabinet.	5,000 lm / 5,200 lm (Center)[*8] 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	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)
	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	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		7,000 lm / 7,200 lm (Center)[*8]	6,000 lm / 6,200 lm (Center)[*8]	6,000 lm / 6,200 lm (Center)[*8]	5,200 lm / 5,400 lm (Center)[*8]	5,000 lm / 5,200 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)	20,000 hours	20,000 hours	20,000 hours
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)		10,000:1	10,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.27-15.24 m (50-600 in)[*9]	1.27-15.24 m (50-600 in)[*9]	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 1.7-1.9, 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)	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: +50 %/-16 %, Horizontal: +30 %[*10]/-10 % (powered)	Vertical: +50 %/-16 %, Horizontal: +30 %[*10]/-10 % (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		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]	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
Power consumption		630 W	565 W	540 W	465 W	465 W
BTU value		Max. 2,151 BTU	Max. 1,929 BTU	Max. 11,774 BTU	Max. 11,774 BTU	Max. 11,774 BTU
Operation noise		36 dB (NORMAL)	35 dB (NORMAL)	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[*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 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[*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])	Approx. 16.1 kg/35.5 lbs	Approx. 16.0 kg/35.3 lbs	Approx. 16.4 kg/36.2 lbs
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)	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		Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	-	-	-

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

*5: Average value. Each product has an individual variable in weight. *6: Lens-less model. *7: HDMI/DIGITAL LINK input only. *8: Luminance measured at center of screen. *9: 1.27-5.08 m (50-200 in) with the ET-DLE055. 2.54-10.16 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

Space Player

Lenses

Features

Options

PressIT

Software/Apps

Installation

		PT-**MZ16KL**	PT-**MZ13KL**	PT-**MZ10KL**	PT-**MZ880** NEW	PT-**MZ780** NEW
		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
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: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

*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

Space Player

Lenses

Features

Options

PressIT

Software/Apps

Installation

		PT-**MZ680** NEW SOLID SHINE LASER ACCEPTS 4K[*5] 6,000 lm WUXGA	PT-**EZ770Z** PT-**EZ770ZL**[*8] 6,500 lm WUXGA	PT-**EW730Z** PT-**EW730ZL**[*8] 7,000 lm WXGA	PT-**EX800Z** PT-**EX800ZL**[*8] 7,500 lm XGA
Projector type		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)
	Aspect ratio	16:10	16:10	16:10	4:3
	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
Light source		Laser diode	400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp
Light output		6,000 lm	6,500 lm	7,000 lm	7,500 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)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		3,000,000:1	5,000:1	5,000:1	5,000:1
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]
Lens (throw ratio)		F 1.7-2.3, f 26.8-45.5 mm (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)
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)
Filter Replacement Cycle		20,000 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
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]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption		360 W	590 W	575 W	575 W
BTU value		Max. 1,230 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU
Built-in speaker		-	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)
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)
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])
Replacement lamp		ET-LAE300	ET-LAE300	ET-LAE300	ET-LAE300
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)
Optional lens		Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

*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
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
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: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

*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.

Large-Venue

Installation

Portable

Short Throw

Space Player

Lenses

Features

Options

PressIT

Software/Apps

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
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

DIGITAL LINK SINGLE CABLE SOLUTION

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.

DIGITAL LINK SINGLE CABLE SOLUTION™

CRESTRON connected | Extron | Extron XTP | AMX | QSC QComQ
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 45 to 50.

		PT-**LRZ35**	PT-**LRW35**	PT-**VMZ60**	PT-**VMZ50**	PT-**VMZ40**
		3,500 lm / WUXGA	3,500 lm / WXGA	6,000 lm / WUXGA * Available in black/white cabinet.	5,000 lm / WUXGA	4,500 lm / WUXGA
Projector type		1-Chip DLP™ Projector	1-Chip DLP™ Projector	LCD Projector	LCD Projector	LCD Projector
DLP chip/ LCD panel	Panel size	17.0 mm (0.67 in)	16.5 mm (0.65 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200)	1,024,000 (1280 x 800) 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		Light emitting diode	Light emitting diode	Laser diode	Laser diode	Laser diode
Light output		3,500 lm	3,500 lm	6,000 lm	5,000 lm	4,500 lm
Time until light output declines to 50%		20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]	20,000 hours (NORMAL)[3]
Resolution		WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		30,000:1	30,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Screen size (diagonal)		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 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 1.7-1.86, f 19.03-24.95 mm (1.28-1.69:1)	F 1.7–1.86, f 19.03–24.95 mm (1.35–1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
Lens shift		Vertical: +50 %, +40 %	Vertical: +52 %, +42 %	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
Filter Replacement Cycle		- (No filter)	- (No filter)	20,000 hours	20,000 hours	20,000 hours

Terminals		HDMI 1/2 in [HDMI 19-pin x 2]
		Computer 1/2 in [D-sub HD 15-pin x 2]
		Computer out [D-sub HD 15-pin x 1]
		Video in [Pin jack x 1]
		Audio in 1/2 [M3 x 2]
		Serial in [D-sub 9-pin x 1 (RS-232C)]
		LAN [RJ-45 x 1]
		USB [Micro USB x 1 (for service use)]
		DC out [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 1/2 in [D-sub HD 15-pin x 2]
			Computer out [D-sub HD 15-pin x 1]
			Video in [Pin jack x 1]
			Audio in 1/2 [M3 x 2]
			Serial in [D-sub 9-pin x 1 (RS-232C)]
			LAN [RJ-45 x 1]
			USB [Micro USB x 1 (for service use)]
			DC out [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]
				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 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]
					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 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/
						   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	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption		420 W	420 W	420 W	370 W	365 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		35 dB (NORMAL)/27 dB (ECO)/24 dB (QUIET)	35 dB (NORMAL)/27 dB (ECO)/24 dB (QUIET)	37 dB (NORMAL)/27 dB (QUIET)	37 dB (NORMAL)/27 dB (QUIET)	37 dB (NORMAL)/27 dB (QUIET)
Dimensions (W x H[1] x D)		375 x 124 x 314 mm (14-3/4 x 4-7/8 x 12-3/8 in)	375 x 124 x 314 mm (14-3/4 x 4-7/8 x 12-3/8 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)
Weight[2]		Approx. 6.7 kg/14.8 lbs	Approx. 6.7 kg/14.8 lbs	Approx. 7.2 kg/15.9 lbs	Approx. 7.2 kg/15.9 lbs	Approx. 7.2 kg/15.9 lbs
Replacement lamp		- (No lamp)	- (No lamp)	- (No lamp)	- (No lamp)	- (No lamp)
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly)	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)	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: Supports signals up to 4K/30p. Images are converted to 1920 x 1200 for PT-VMZ60/VMZ50/VMZ40 and 1280 x 800 for PT-VMZ60/ VMW50. Applicable terminals: DIGITAL LINK terminal/HDMI terminal.
*5: The optional Wireless Module is required.

Portable

		PT-**VMW60**	PT-**VMW50**	PT-**VZ585N**	PT-**VZ580**	PT-**VW545N**
		6,000 lm / WXGA	5,000 lm / WXGA	5,000 lm / WUXGA	5,000 lm / WUXGA	5,500 lm / WXGA
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)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Number of pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) 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
Light source		Laser diode	Laser diode	280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp
Light output		6,000 lm	5,000 lm	5,000 lm	5,000 lm	5,500 lm
Time until light output declines to 50%		20,000 hours (NORMAL)[5]	20,000 hours (NORMAL)[5]	5,000 hours (NORMAL)/6,000 hours (ECO1)/ 7,000 hours (ECO2)[6]	5,000 hours (NORMAL)/6,000 hours (ECO1)/ 7,000 hours (ECO2)[6]	5,000 hours (NORMAL)/6,000 hours (ECO1)/ 7,000 hours (ECO2)[6]
Resolution		WXGA (1,280 x 800)	WXGA (1,280 x 800)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1	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 (1.09-1.77:1)	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)
Lens shift		Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)
Filter Replacement Cycle		20,000 hours	20,000 hours	7,000 hours	7,000 hours	7,000 hours
Installation		-	-	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] 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 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] 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 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		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	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)
Power consumption		410 W	360 W	400 W (North America), 410 W (other countries)	400 W (North America), 410 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)/27 dB (QUIET)	37 dB (NORMAL)/27 dB (QUIET)	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[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)	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[2]		Approx. 7.2 kg/15.9 lbs	Approx. 7.2 kg/15.9 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs
Replacement lamp		- (No lamp)	- (No lamp)	ET-LAV400	ET-LAEF100	ET-LAV400
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)	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: Height: with legs at shortest position. *2: Average value. Each product has an individual variable in weight.
*3: Supports signals up to 4K/30p. Images are converted to 1920 x 1200 for PT-VMZ60/VMZ50/VMZ40 and 1280 x 800 for PT-VMZ60/ VMW50. Applicable terminals: DIGITAL LINK terminal/HDMI terminal. *4: The optional Wireless Module is required.

*5: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode.
*6: The usage environment affects the lamp replacement cycle.

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

Portable

		PT-**VW540**	PT-**VX615N**	PT-**VX610**	PT-**VZ470**[*4]
		5,500 lm / WXGA	5,500 lm / XGA (DIGITAL LINK / WIRELESS)	5,500 lm / XGA	4,400 lm / WUXGA
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	4:3	4:3	16:10
	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	2,304,000 (1,920 x 1,200) pixels
Light source		280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp	270 W UHM Lamp
Light output		5,500 lm	5,500 lm	5,500 lm	4,400 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)/ 7,000 hours (ECO)
Resolution		WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		16,000:1	16,000:1	16,000:1	10,000:1
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)
Lens (throw ratio)		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)	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)
Lens shift		Vertical: +44 % (manual)	Vertical: +40 % (manual)	Vertical: +40 % (manual)	Vertical: +44 % (manual)
Filter Replacement Cycle		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

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/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 [RJ-45 x 1]

Power supply		120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)
Power consumption		385 W (North America), 400 W (other countries)	385 W (North America), 400 W (other countries)	385 W (North America), 400 W (other countries)	372 W (North America), 378 W (other countries)
Built-in speaker		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)/29 dB (ECO)
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)
Weight[*3]		Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.8 kg/10.6 lbs
Replacement lamp		ET-LAV400	ET-LAV400	ET-LAV400	ET-LAV400
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-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-RFV400 (Replacement filter unit)

*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.

Portable

		PT-**VW360**	PT-**VX430**	PT-**LW376**	PT-**LW336**	PT-**LB426**
		4,000 lm / WXGA	4,500 lm / XGA	3,600 lm / WXGA	3,100 lm / WXGA	4,100 lm / XGA
		WIRELESS*4	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)	15.0 mm (0.59 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	4:3	16:10	16:10	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) 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		240 W UHM Lamp	240 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output		4,000 lm	4,500 lm	3,600 lm	3,100 lm	4,100 lm
Time until light output declines to 50%*1		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)	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)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	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 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)	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)
Lens shift		49:1 (fixed)	9:1 (fixed)	6:1 (fixed)	6:1 (fixed)	6:1 (fixed)
Filter Replacement Cycle		7,000 hours	7,000 hours	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 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))]	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	100-240 V AC, 50/60 Hz
Power consumption		320 W	320 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)	10.0 W (monaural)
Operation noise		37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	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)		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)	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. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs
Replacement lamp		ET-LAV300	ET-LAV300	ET-LAL510	ET-LAL510	ET-LAL510
Optional accessories		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*5 (Wireless Module) 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*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)

*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.

Large-Venue

Installation

Portable

Short Throw

Space Player

Lenses

Features

Options

PressIT

Software/Apps

Portable

		PT-**LB386**	PT-**LB356**	PT-**LB306***6
		3,800 lm / XGA	3,300 lm / XGA	3,100 lm / XGA
		WIRELESS*4	WIRELESS*4	
Projector type		LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	4:3	4:3	4:3
	Number of 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
Light output		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)
Resolution		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
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)
Lens (throw ratio)		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]
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)
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 [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
Power consumption		300 W	300 W	300 W
Built-in speaker		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)
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)
Weight*3		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
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) 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.
*7: For compatible models, see the "Function" and "Software" columns of the Feature Compatibility Chart on page 45 to 50.
*8: For compatible models, see the "Wireless Module" column of the Optional Accessories Chart on page 51 to 58.

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*7

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.

Wireless Projection by Optional Module
(AJ-WM50)*8

The optional AJ-WM50*7 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*7 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*7

**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*7

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.

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
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)
LCD panel — Aspect ratio	16:10	16:10	4:3	4:3
LCD panel — 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
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**
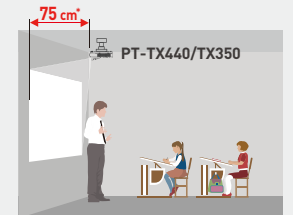
75 cm*

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
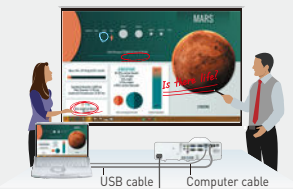
Convenient Interactive Features by LightPen3 Software

● 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/

Space Player

Track Mount Type

PT-JX200G / PT-JX200H

SOLID SHINE LASER

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

PT-JW130G / PT-JW130H

SOLID SHINE LASER

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

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

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

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

Direct Mount Type

Ceiling/Wall Installation Type
PT-JX200F + ET-JPC200
(Mount bracket)

Floor Type
PT-JX200F + ET-JPF200
(Floor stand kit)

Ceiling/Wall Installation Type
PT-JW130F + ET-JPC100
(Ceiling kit)

Floor Type
PT-JW130F + ET-JPF100
(Floor stand kit)

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

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

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

Position-adjustable structure
Projection can cover all downward directions from the horizontal level.
360° 90°
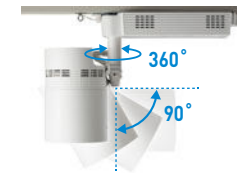
Compatible with most replay systems
Image input: SD card, HDMI, wireless LAN
*Will not replay movies via Wi-Fi®
*Featured image: PT-JW130
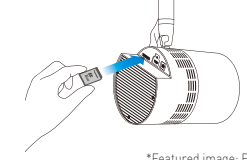
Application Example

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

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

For more information about Space Player, please visit the website. >>> panasonic.net/cns/projector/products/spaceplayer/

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

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

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D3QW200**	ET-**D3QW300**	ET-**D3QS400**	ET-**D3QT500**
	NEW	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

Throw Ratio

	Throw Ratio scale: 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) WXGA (0.585–0.693:1) XGA (0.785–0.929:1)
ET-**D3QW300**	4K (1.11-1.70:1) WUXGA (1.32-2.02:1) WXGA (1.18-1.81:1) XGA (1.58-2.43:1)
ET-**D3QS400**	4K (1.43-2.09:1) WUXGA (1.70-2.48:1) WXGA (1.52-2.23:1) XGA (2.04-2.98:1)
ET-**D3QT500**	4K (2.00-3.41:1) WUXGA (2.36-4.03:1) WXGA (2.13-3.63:1) XGA (2.82-4.83:1)
ET-**D3QT600**	4K (2.69-3.88:1) WUXGA (3.19-4.60:1) WXGA (2.87-4.13:1) XGA (3.84-5.53:1)
ET-**D3QT700**	4K (3.89-5.47:1) WUXGA (4.61-6.49:1) WXGA (4.14-5.83:1) XGA (5.54-7.80:1)
ET-**D3QT800**	4K (4.97-7.76:1) WUXGA (5.89-9.21:1) WXGA (5.30-8.28:1) XGA (7.06-11.06:1)

* Calibration is required each time the lens is mounted.

Large-Venue

Installation

Portable

Short Throw

Space Player

Lenses

Features

Options

PressIT

Software/Apps

Large-Venue

Installation

Portable

Short Throw

Space Player

Lenses

Features

Options

PressIT

Software/Apps

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

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

ID : Featuring Auto Lens Identification Function*2 **M** : Featuring Stepping Motor

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Fixed-focus lens	Zoom lens	Zoom lens
Model number	ET-**D75LE95**	ET-**D3LEU100**	ET-**D3LEW200**	ET-**D3LEW50***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-RS30K	✓	✓*3	✓*3	✓	✓*3	✓	✓*3	✓	✓*3	✓	✓*3	✓	✓*3	✓	✓*3	✓
PT-RQ22K	✓	✓*3	✓*3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ21K	✓	✓*3	✓*3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RS20K	✓	✓*3	✓*3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ16K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ13K	✓	✓*3	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓
PT-RZ12K	✓	✓*3	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓
PT-RS11K	✓	✓*3	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓	-	✓
ET-PLF20	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
ET-PLF10	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

Scale: 0.4 1.0 2.0 5.0 8.0

Lens	Throw Ratio
ET-**D75LE95**	4K+ (0.390:1) / WUXGA, Full HD (0.364:1) / SXGA+ (0.394:1) / WXGA (0.403:1)
ET-**D3LEU100**	4K+ (0.397:1) / WUXGA (0.370:1) / SXGA+ (0.401:1) / WXGA (0.413:1)
ET-**D3LEW200**	4K+ (0.693-0.913:1) / WUXGA (0.645-0.850:1) / SXGA+ (0.699-0.921:1)
ET-**D3LEW50**	4K+ (0.746:1) / WUXGA, Full HD (0.695:1) / SXGA+ (0.752:1) / WXGA (0.774:1)
ET-**D3LEW60** / ET-**D75LE6**	4K+ (0.991-1.18:1) / WUXGA, Full HD (0.924-1.10:1) / SXGA+ (1.01-1.19:1) / WXGA (1.03-1.22:1) (ET-D75LE6 only)
ET-**D3LEW10**	4K+ (1.35-1.84:1) / WUXGA, Full HD (1.26-1.72:1) / SXGA+ (1.37-1.86:1)
ET-**D75LE10**	4K+ (1.39-1.79:1) / WUXGA, Full HD (1.30-1.67:1) / SXGA+ (1.41-1.81:1) / WXGA (1.44-1.85:1)
ET-**D3LES20** / ET-**D75LE20**	4K+ (1.79-2.59:1) / WUXGA, Full HD (1.67-2.41:1) / SXGA+ (1.80-2.61:1) / WXGA (1.85-2.68:1) (ET-D75LE20 only)
ET-**D3LET30**	4K+ (2.58-5.00:1) / WUXGA, Full HD (2.40-4.66:1) / SXGA+ (2.59-5.05:1)
ET-**D75LE30**	4K+ (2.58-5.00:1) / WUXGA, Full HD (2.40-4.66:1) / SXGA+ (2.60-5.05:1) / WXGA (2.67-5.18:1)
ET-**D3LET40**	4K+ (4.94-7.94) / WUXGA (4.61-7.41) / SXGA (4.99-8.02)
ET-**D75LE40**	4K+ (4.95-7.91:1) / WUXGA, Full HD (4.62-7.38:1) / SXGA+ (5.00-7.99:1) / WXGA (5.13-8.19:1)
ET-**D3LET80** / ET-**D75LE8**	4K+ (7.87-14.8:1) / WUXGA, Full HD (7.34-13.8:1) / SXGA+ (7.95-14.9:1) / WXGA (8.16-15.3:1) (ET-D75LE8 only)

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

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

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

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

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)
WXGA (0.294-0.314:1)
XGA (0.290-0.309:1)

ET-DLE035
WUXGA (0.380:1)
WXGA (0.399:1)
XGA (0.394:1)

ET-DLE055
WUXGA (0.785:1)
WXGA (0.826:1)
XGA (0.813:1)

ET-DLE060
WUXGA (0.600-0.801:1)
WXGA (0.631-0.843:1)
XGA (0.620-0.829:1)

ET-DLE085
WUXGA (0.782-0.977:1)
WXGA (0.823-1.03:1)
XGA (0.810-1.01:1)

ET-DLE105
WUXGA (0.978-1.32:1)
WXGA (1.02-1.39:1)
XGA (1.01-1.37:1)

ET-DLE150
WUXGA (1.30-1.89:1)
WXGA (1.36-1.98:1)
XGA (1.34-1.95:1)

ET-DLE170
WUXGA (1.71-2.41:1)
WXGA (1.80-2.54:1)
XGA (1.78-2.50:1)

ET-DLE250
WUXGA (2.27-3.62:1)
WXGA (2.39-3.80:1)
XGA (2.35-3.75:1)

ET-DLE350
WUXGA (3.58-5.45:1)
WXGA (3.76-5.72:1)
XGA (3.70-5.64:1)

ET-DLE450
WUXGA (5.36-8.58:1)
WXGA (5.64-9.01:1)
XGA (5.55-8.88:1)

*1: The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.
*2: Projector may require the latest firmware update.

Optional Lenses for the PT-MZ16K Series Projector (Installation)

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**EMU100**	ET-**EMW200**	ET-**EMW300**	ET-**EMW400**
	NEW			
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

	Throw Ratio
	1.0 2.0 3.0 4.0 6.0 9.0
ET-**EMU100**	WUXGA (0.330–0.353:1)
ET-**EMW200**	WUXGA (0.480-0.550:1) WXGA (0.480-0.550:1) XGA (0.580-0.660:1)
ET-**EMW300**	WUXGA (0.550-0.690:1) WXGA (0.550-0.690:1) XGA (0.660-0.830:1)
ET-**EMW400**	WUXGA (0.690-0.950:1) WXGA (0.690-0.950:1) XGA (0.830-1.15:1)
ET-**EMW500**	WUXGA (0.950-1.36:1) WXGA (0.950-1.36:1) XGA (1.14-1.63:1)
ET-**EMS600**	WUXGA (1.35-2.10:1) WXGA (1.35-2.10:1) XGA (1.62-2.50:1)
ET-**EMT700**	WUXGA (2.10-4.14:1) WXGA (2.10-4.15:1) XGA (2.50-4.97:1)
ET-**EMT800**	WUXGA (4.14-7.40:1) WXGA (4.12-7.40:1) XGA (4.93-8.70:1)

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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**
	NEW			
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-RS30K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RZ16K	PT-RQ13K	PT-RZ12K	PT-RS11K	PT-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRZ60	PT-FRZ50	PT-FRZ55
Specification																					
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24/7 operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4K signal input	✓	✓	✓	-	✓	-	-	-	✓	-	-	✓	✓	✓*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	✓*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-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
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-LRZ35	PT-LRW35	PT-VMZ60	PT-VMZ50	PT-VMZ40	PT-VMW60	PT-VMW50	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540		PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-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	✓*1	✓*1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Picture Quality																											
Detail Clarity Processor 5+	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 4	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 3	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dayilght View Basic	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
Dayilght View Lite	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3D Ready	✓	✓	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation																											
Multi Screen Suport System	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometric Adjustment	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contrast Sync and Shutter Sync	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corner Keystone	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Curved Screen Correction	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																											
Wireless Function	-	-	✓*2	✓*2	✓*2	✓*2	✓*2	✓	-	✓	-		✓	-	-	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	✓*2	-	✓*2	✓*2	✓*2	✓*2
Mirroring Function	-	-	-	-	-	-	-	✓	-	✓	-		✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	✓	-	✓	-		✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	✓	✓	✓	✓	✓	-	-	-	-		-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
P-in-P	-	-	-	-	-	-	-	-	-	-	-		-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
Backup Input	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emulation	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical Shutter	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software																											
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	✓	-	✓	-		✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	✓	-	✓	-		✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	-	-	✓	✓	✓	✓	✓	-	-	-	-		-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Geometry Manager Pro	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smart Projector Control	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logo Transfer Software	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

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

Model Type	Model Number	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RS30K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RZ16K	PT-RQ13K	PT-RZ12K	PT-RS11K
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	-	-	-	✓	-	-	-	-	✓	✓	✓
Long life filter unit	ET-EMFU330	-	-	-	✓	-	-	-	-	-	-	-
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	-	✓	✓	-	✓	-	-	-	✓	-	-
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.

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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-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	✓	✓	✓	✓	✓	✓	✓	-	-	-
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P[3]	✓	✓	✓	✓	✓	✓	✓	-	-	-
Interface board											
DVI-D input signal board	ET-MDNDV10	✓	✓	-	-	-	-	-	-	-	-
HDMI input signal board	ET-MDNHM10	✓	✓	-	-	-	-	-	-	-	-
12G-SDI signal board	ET-MDN12G10	✓	✓	-	-	-	-	-	-	-	-
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.

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-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-WM300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wireless module	ET-WML100*2	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Easy wireless stick	ET-UW100*3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P*3	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*1: Recommended when used with the ET-DLE035.
*2: Stock limited.
*3: The availability varies depending on the country.
*4: The suffix of the model number differs according to the license type.

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

Optional Accessories for LCD Projector (Portable, Short Throw)

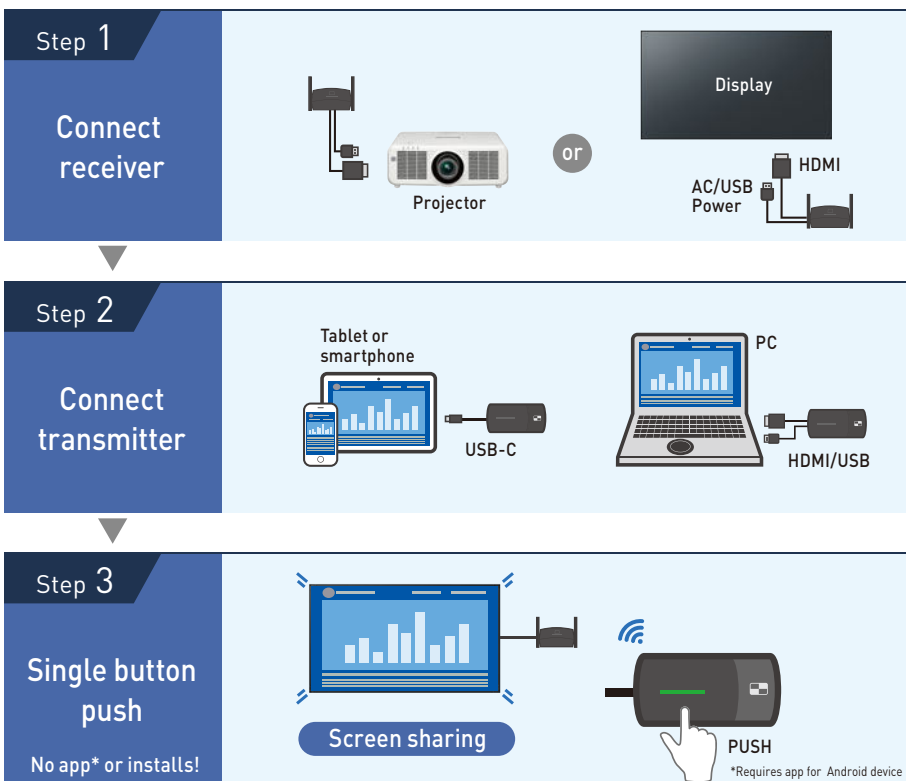| Model Type	Model Number	PT-LRZ35	PT-LRW35	PT-VMZ60	PT-VMZ50	PT-VMZ40	PT-VMW60	PT-VMW50	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Replacement lamp unit																											
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[*2]	-	-	-	-	-	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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.
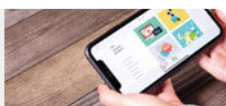*2: The suffix of the model number differs according to the license type.

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

or

Projector

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

Antibacterial
surface treatment

Supports audio transmission

NEW 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** Case for Transmitter

	Basic Set	Receiver (Board)	Transmitter (HDMI)		Transmitter (USB Type-C)	
Model	TY-WPS1	TY-SB01WP	TY-WP2B1	TY-WPB1	TY-WP2BC1	TY-WPBC1
Applicable product	Flat Panel Display / Projector (Panasonic and others)	*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** Case for Transmitter 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

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

Large-Venue

Installation

Portable

Short Throw

Space Player

Lenses

Features

Options

PressIT

Software/Apps

Fisheye Lens / Stepping Motor Kit for Optional Lenses

OPTION

High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications

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

Features

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

* Supports the PT-D7500 3-Chip DLP™ projector and later models, 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.
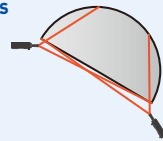
Events and Exhibitions

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.

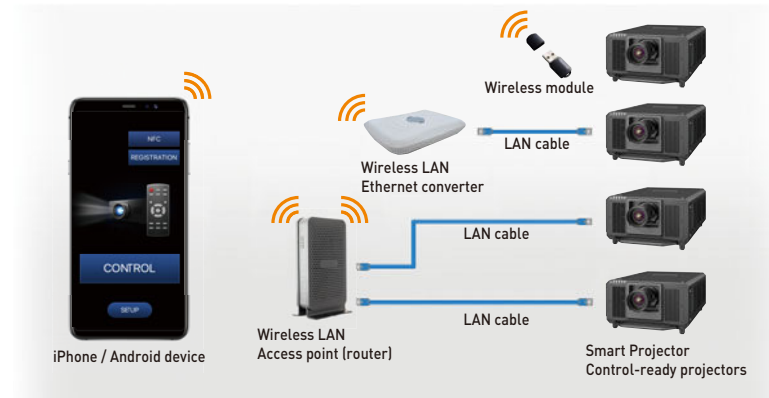| Model number	ET-D75MKS10
Dimensions (W x H x D)	101 x 82.5 x 59 mm (3-31/32 x 3-1/4 x 2-5/16 inches)
Weight^{*2}	Approx. 145 g/0.3 lbs
Supported lens	ET-D75LE10, ET-D75LE20, ET-D75LE30, ET-D75LE40, ET-D75LE6, ET-D75LE8
Supported projectors	PT-RQ35K/RZ34K, PT-RQ22K, PT-RZ21K/RS20K, PT-RZ16K

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

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
LAN cable
Wireless LAN Access point (router)
iPhone / Android device
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)
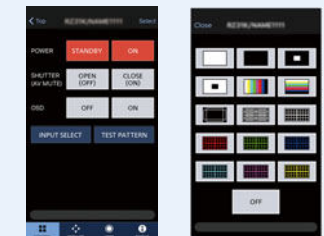
Control screen   Test pattern screen

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/**

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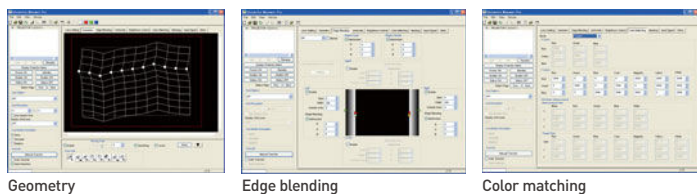
■ Upgrade Kit for Geometry Manager Pro (ET-UK20)

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-RS30K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RZ16K	PT-RQ13K	PT-RZ12K	PT-RS11K	PT-RCQ10	PT-RCQ80
Geometric Adjustment	Yes	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	Yes
ET-UK20	Yes	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	Yes

	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	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
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	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

*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.
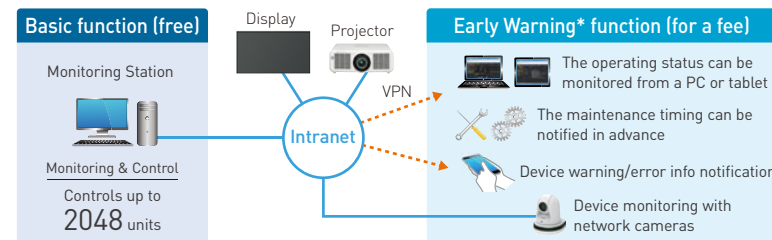*2: Features are built into the projector, no need for activation.

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.

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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
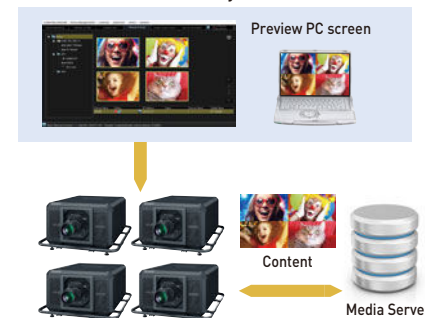
Remote Preview Saves Time and Unnecessary Stress

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.

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/

Panasonic Projectors at Work in a Variety of Fields and Locations

Event
Becoming Japanese Art – Round Two

National Center for the Promotion of Cultural Properties
National Institutes for Cultural Heritage
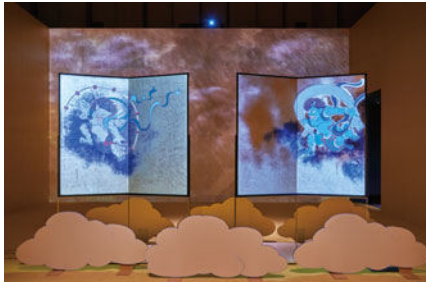
Why Choose Panasonic Projectors?
- Panasonic projectors are able to focus on minute details.
- No need for a cooling-off period after the projectors are switched off.
- Reliability of the projectors performing smoothly for many hours, day after day.

Installation Background
An experience beyond appreciating the actual object, made possible by digital contents

This exhibition was composed of three areas themed on national treasures and important cultural properties. Ten Panasonic PT-RZ870 projectors were used in this exhibition, employing dynamic projection mapping.
By using high-definition replicas of cultural properties and combining them with projection mapping to add motion, we were able to create an enjoyable performance and capture the interest of children and of people unacquainted with cultural properties.

Equipment Installed

1-Chip DLP™ projector
PT-RZ870 (x10)

Zoom lens
ET-DLE150 (x4) and more

Find more of this case study's details from the QR code at the right>>

Event
Refik Anadol & Panasonic - WDCH Dreams

Learn how Media Artist Refik Anadol transports viewers to a new dimension with immersive projection.

Why Choose Panasonic Projectors?
- Panasonic laser projectors feature bright, sharp, color-accurate capabilities.
- PT-RZ31K projector has a high brightness enough to combat the reflective surface.

Installation Background
Projecting Art that Goes Beyond the 3rd Dimension

To celebrate the LA Phil's centennial season, Anadol chose to transform Walt Disney Concert Hall (WDCH) into a canvas that bridged that gap between the orchestra's one hundred year history and its bright future. To achieve WDCH Dreams, Panasonic's PT-RZ31K projectors transformed the exterior of WDCH into animated, data-driven patterns that breathed life into the architectural landmark.
Anadol commented that only with "enormously powerful projection" could this have been achieved on a reflective surface in the middle of a city riddled with light pollution.

Equipment Installed

3-Chip DLP™ projector
PT-RZ31K

Find more of this case study's details from the QR code at the right>>

Museum / Exhibition
Immersive Van Gogh Exhibit

Design and build an immersive exhibit based on the artwork of Vincent van Gogh by creating a 360-degree experience for visitors.

Why Choose Panasonic Projectors?
- Edge Blending and Color Matching feature enables seamlessly edge-blended dynamic projection.
- Flexibility enables projection from virtually any angle.
- Solid Shine laser projectors are require almost no maintenance.

Installation Background
Using projection mapping technology to bring art to life

Utilizing 53 Panasonic PT-RZ770 laser projectors and an internal network, the Lighthouse Immersive team created a mosaic of images that come together to create a wholly immersive, 360-degree experience. By utilizing the projector's Edge Blending and Color Matching feature, the team was able to match the edges of the individual projectors and create large smooth and seamless images.

Equipment Installed

1-Chip DLP™ Projector
PT-RZ770 (x53)

Find more of this case study's details from the QR code at the right>>

Corporate
Tokyo Portcity Takeshiba Port Hall/Port Studio

Converting the event hall wall into a giant screen: high quality video to make for a creative environment.

Why Choose Panasonic Projectors?
- Projected images are bright and colors are vivid, the more detailed elements such as text are easy to read.
- High resolution images are reproduced even on a giant screen.

Installation Background
To develop a venue fit for a leading-edge Office Tower

Tokyo Portcity Takeshiba will be a new landmark of the redeveloping Takeshiba area. Located on the 1st floor is Port Hall, which will open in September 2020. Leading-edge video equipment was a requirement to serve as a venue for various uses.
Port Hall is a large-scale event space which can hold approximately 350 people. The most prominent feature is the giant screen covering an entire wall surface utilizing two 400-inch screens. Two Panasonic 4K Laser Projector PT-RQ22KJ were used to project video onto this screen, which is one of the largest in Japan.

Equipment Installed

3-Chip DLP™ projector
PT-RQ22K (x2)

1-Chip DLP™ Projector
PT-RZ870 (x1)

Find more of this case study's details from the QR code at the right>>