

# Panasonic CONNECT



## PROJECTORS

Line-up Catalog January 2024



## Panasonic CONNECT

Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. These products may be subject to export control regulations. Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. DLP is a trademark or registered trademark of Texas Instruments. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. HDBase™ is a trademark of the HDBaseT Alliance. All other trademarks are the property of their respective trademark owners. Projection images simulated. © 2023 Panasonic Connect Co., Ltd. All rights reserved.



For more information about Panasonic projectors  
<https://business.panasonic.co.uk/visual-system/>  
Facebook: <https://www.facebook.com/PanasonicVisualSolutionsEU>  
Instagram: <https://www.instagram.com/panasonicvisual>  
LinkedIn: <https://www.linkedin.com/company/panasonic-connect-europe>  
Youtube: <https://www.youtube.com/user/PanasonicBusiness>

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to *Panasonic Connect Co., Ltd.* as of April 1, 2022.

All information included here is valid as of December 2023.

LINEUP-G57

Worldwide Olympic and Paralympic Partner



# Panasonic Projectors product lineup



3-Chip DLP™ Laser light source models



1-Chip DLP™ Laser light source models

LCD models

50,000 lm



● **PT-RQ50K** >P3  
50,000 lm



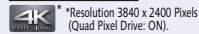
● **PT-RQ35K** >P3  
30,500 lm



● **PT-RZ34K** >P4  
30,500 lm



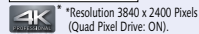
● **PT-RQ25K** >P5  
20,000 lm



● **PT-RZ24K** >P5  
20,000 lm



● **PT-RQ18K** >P6  
16,000 lm



● **PT-RZ17K** >P6  
16,000 lm



10,000 lm



● **PT-REQ12 Series** >P7  
8,000-12,000 lm



**NEW**  
● **PT-REZ12 Series** >P9  
8,000-12,000 lm



● **PT-RZ790/RZ690** >P10  
6,000-7,000 lm



● **PT-FRQ60 Series** >P11  
5,200-6,000 lm



● **PT-FRZ60 Series** >P12  
5,200-6,000 lm



● **PT-FRZ55** >P12  
5,000 lm



5,000 lm

## SOLID SHINE Series



● **PT-MZ20K Series** >P13  
11,000-20,000 lm



\*HDMI/DIGITAL LINK input only.



● **PT-MZ880 Series** >P15  
6,000-8,000 lm



\*HDMI/DIGITAL LINK input only.



● **PT-VMZ71 Series** >P23  
5,200 - 7,000 lm



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



● **PT-LMZ460 Series** >P26  
4,200-4,600 lm



\*HDMI input only. Supports signal up to 4K/30p.



● **PT-CMZ50** >P36  
5,200 lm



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



● **PT-TMZ400 Series** >P33  
3,800-4,000 lm



\*HDMI input only. Supports signal up to 4K/30p.



● **PT-EZ770 Series** >P17  
6,500-7,500 lm



● **PT-EZ590 Series** >P19  
5,000-6,200 lm



● **PT-FZ570 Series** >P21  
4,500-5,000 lm



● **PT-VZ580 Series** >P28  
5,000-5,500 lm



● **PT-VW360 Series** >P30  
4,000-4,500 lm




● **PT-TW381R Series** >P35  
3,200-3,800 lm



● **PT-LB426 Series** >P31  
3,100-4,100 lm

- Large-Venue
- Installation
- Portable
- Short Throw/  
Ultra Short Throw

# Large-Venue

	PT-RQ50K	PT-RQ35K	PT-RZ34K
			
	50,000 lm / 51,000 lm (Center) <sup>7</sup> Native 4K <sup>6</sup> * Lens sold separately.	30,500 lm / 32,000 lm (Center) <sup>7</sup> 4K <sup>6</sup> * Lens sold separately.	30,500 lm / 32,000 lm (Center) <sup>7</sup> WUXGA * Lens sold separately.
	   	   	   
<b>Projector type</b>	3-Chip DLP™ Projector		
<b>DLP Chip</b>	Panel size		
	35.1 mm (1.38 in)	24.4 mm (0.96 in)	24.4 mm (0.96 in)
	Aspect ratio	16:10	16:10
	Number of pixels	8,847,360 (4,096 x 2,160) pixels	2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diodes		
<b>Light output</b>	50,000 lm / 51,000 lm (Center) <sup>7</sup>		
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL)/ 24,000 hours (ECO)		
<b>Resolution</b>	Native 4K (4,096 x 2,160)		
<b>Contrast ratio (full on/full off)</b>	20,000:1		
<b>Screen size (diagonal)</b>	2.54-38.1 m (100-1,500 in)		
<b>Lens shift<sup>2</sup></b>	Vertical: ±45 % <sup>8</sup> , Horizontal: ±16 % <sup>8</sup> (powered)		
<b>Filter Replacement Cycle</b>	- (No filter)		
<b>Terminals</b>	Multi Projector SYNC in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (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] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))] USB [USB type-A x 1, for USB Memory Stick / Wireless Module (AJ-WM50)] Slot 1 [Pre-installed with ET-MDN12G10] Slot 2 [Vacant for compatible SLOT NX boards (optional)]	HDMI in [HDMI 19-pin x 1] Multi Projector SYNC in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (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/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA))] Slot 1 [Vacant for compatible SLOT NX boards (optional)]
<b>Power supply</b>	100-240 V AC, 50/60 Hz <sup>9</sup>		
<b>Maximum power consumption</b>	4,100 W		
<b>On-mode power consumption</b>	[NORMAL] 3,970 W [ECO] 3,110 W		
<b>BTU value</b>	Max. 13,560 BTU		
<b>Operation noise</b>	52 dB		
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>	720 x 445 x 1070 mm (28-11/32 x 17-9/16 x 42-1/8 in)		
<b>Weight<sup>5</sup></b>	Approx. 126 kg/278 lbs		
<b>Optional accessories</b>	ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>10</sup> ET-MDN12G10 (12G-SDI Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDNDV10 (DVI-D Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit) <sup>10</sup>	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>10</sup> ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-SUK10 (High Frame Rate Upgrade Kit) ET-NUK10 (NFC Upgrade Kit) <sup>10</sup>	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>10</sup> ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) TY-TBN03G (3G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit) <sup>10</sup>
<b>Optional lens</b>	Yes (see the Optional Lenses page: P35)		

1: After approximately 20,000 hours, cleaning needs to be performed by the vendor which you purchased from. The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. 3: Height: with legs at shortest position. 4: Depth: protruding parts not included. 5: Average value. Each product has an individual variable in weight. 6: Resolution 3,840 x 2,400 Pixels (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-D31LEW60.

## Smart Projector Control

## FEATURES



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!



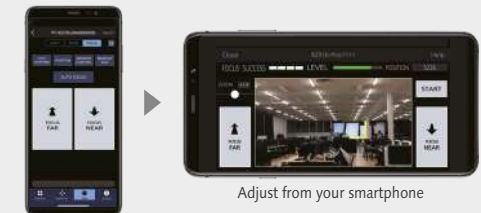
\*Featured image: PT-RQ50K

\* NFC function compatible projectors are the PT-RQ50K, PT-RQ35K Series, PT-RQ25K Series, PT-RZ14K, PT-REQ12 Series, and PT-MZ20K 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

Note: Auto Focus may not be compatible with some projector models and mobile devices. Please refer to the Web Manual for supported models.

See page 66 for the basic information

Smart Projector Control detail page:

>>> [panasonic.net/cns/projector/download/application/smartpj/](http://panasonic.net/cns/projector/download/application/smartpj/)


























































































# Large-Venue

	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K
	 <p>20,000 lm / 21,000 lm (Center)<sup>7</sup>   4K<sup>6</sup> * Lens sold separately.</p>	 <p>20,000 lm / 21,000 lm (Center)<sup>7</sup>   WUXGA * Lens sold separately.</p>	 <p>16,000 lm / 16,800 lm (Center)<sup>7</sup>   4K<sup>6</sup> * Lens sold separately.</p>	 <p>16,000 lm / 16,800 lm (Center)<sup>7</sup>   WUXGA * Lens sold separately.</p>
	     	      	     	      
<b>Projector type</b>	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
<b>DLP Chip</b>	Panel size 20.3 mm (0.8 in)	Panel size 20.3 mm (0.8 in)	Panel size 20.3 mm (0.8 in)	Panel size 20.3 mm (0.8 in)
<b>Aspect ratio</b>	16:10	16:10	16:10	16:10
<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels x 3	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
<b>Light source</b>	Laser diodes	Laser diodes	Laser diodes	Laser diodes
<b>Light output</b>	20,000 lm / 21,000 lm (Center) <sup>7</sup>	20,000 lm / 21,000 lm (Center) <sup>7</sup>	16,000 lm / 16,800 lm (Center) <sup>7</sup>	16,000 lm / 16,800 lm (Center) <sup>7</sup>
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
<b>Resolution</b>	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)
<b>Contrast ratio (full on/full off)</b>	25,000:1	25,000:1	25,000:1	25,000:1
<b>Screen size (diagonal)</b>	1.78-25.4 m (70-1,000 in) <sup>8</sup>	1.78-25.4 m (70-1,000 in) <sup>8</sup>	1.78-25.4 m (70-1,000 in) <sup>8</sup>	1.78-25.4 m (70-1,000 in) <sup>8</sup>
<b>Lens shift<sup>2</sup></b>	Vertical: ±66 % <sup>9</sup> , Horizontal: ±24 % <sup>9</sup> (powered)	Vertical: ±66 % <sup>9</sup> , Horizontal: ±24 % <sup>9</sup> (powered)	Vertical: ±66 % <sup>9</sup> , Horizontal: ±24 % <sup>9</sup> (powered)	Vertical: ±66 % <sup>9</sup> , Horizontal: ±24 % <sup>9</sup> (powered)
<b>Filter Replacement Cycle</b>	- (No filter)	- (No filter)	- (No filter)	- (No filter)
<b>Terminals</b>	HDMI in [HDMI 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] USB [USB type-A x 1, for or optional Wireless Module/USB memory] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] Slot [Slot x 1, for function boards, Intel® SDM compatible]	HDMI in [HDMI 19-pin x 2] DisplayPort in [DP-20P 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/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] USB [USB type-A x 1, for or optional Wireless Module/USB memory] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] Slot [Slot x 1, for function boards, Intel® SDM compatible]	HDMI in [HDMI 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] USB [USB type-A x 1, for or optional Wireless Module/USB memory] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] Slot [Slot x 1, for function boards, Intel® SDM compatible]	HDMI in [HDMI 19-pin x 2] DisplayPort in [DP-20P 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/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] USB [USB type-A x 1, for or optional Wireless Module/USB memory] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] Slot [Slot x 1, for function boards, Intel® SDM compatible]
<b>Power supply</b>	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz <sup>10</sup>	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz <sup>10</sup>	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz <sup>10</sup>	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz <sup>10</sup>
<b>Maximum power consumption</b>	AC 200 V-AC 240 V: 1,490 W (1,520 VA) AC 100 V-AC 120 V: 1,080 W (1,090 VA)	AC 200 V-AC 240 V: 1,470 W (1,520 VA) AC 100 V-AC 120 V: 1,060 W (1,090 VA)	AC 200 V-AC 240 V: 1,190 W (1,220 VA) AC 100 V-AC 120 V: 1,080 W (1,090 VA)	AC 200 V-AC 240 V: 1,170 W (1,220 VA) AC 100 V-AC 120 V: 1,060 W (1,090 VA)
<b>On-mode power consumption</b>	[NORMAL] 1,330 W [ECO] 1,040 W [QUIET] 1,030 W	[NORMAL] 1,310 W [ECO] 1,020 W [QUIET] 1,010 W	[NORMAL] 1,030 W [ECO] 820 W [QUIET] 810 W	[NORMAL] 1,010 W [ECO] 800 W [QUIET] 790 W
<b>BTU value</b>	Max. 5,091 BTU	Max. 5,023 BTU	Max. 4,066 BTU	Max. 3,998 BTU
<b>Operation noise</b>	46 dB (NORMAL/QUIET), 43 dB (ECO)	46 dB (NORMAL/QUIET), 43 dB (ECO)	43 dB (NORMAL/ECO), 40 dB (QUIET)	43 dB (NORMAL/ECO), 40 dB (QUIET)
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>	550 x 220 x 570 mm (21-5/8 x 8-11/16 x 22-7/16 in)	550 x 220 x 570 mm (21-5/8 x 8-11/16 x 22-7/16 in)	550 x 220 x 570 mm (21-5/8 x 8-11/16 x 22-7/16 in)	550 x 220 x 570 mm (21-5/8 x 8-11/16 x 22-7/16 in)
<b>Weight<sup>5</sup></b>	Approx. 35.0 kg/77.2 lbs	Approx. 35.0 kg/77.2 lbs	Approx. 35.0 kg/77.2 lbs	Approx. 35.0 kg/77.2 lbs
<b>Optional accessories</b>	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD521B (Attachment for ceiling mount bracket) ET-D75MKS10 (Stepping Motor kit) ET-PLF10/PLF20 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>11</sup> TY-SB01QS (12G-SDI Input Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD521B (Attachment for ceiling mount bracket) ET-D75MKS10 (Stepping Motor kit) ET-PLF10/PLF20 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>11</sup> TY-SB01QS (12G-SDI Input Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD521B (Attachment for ceiling mount bracket) ET-D75MKS10 (Stepping Motor kit) ET-PLF10/PLF20 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>11</sup> TY-SB01QS (12G-SDI Input Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD521B (Attachment for ceiling mount bracket) ET-D75MKS10 (Stepping Motor kit) ET-PLF10/PLF20 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>11</sup> TY-SB01QS (12G-SDI Input Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)
<b>Optional lens</b>	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: excluding the feet and protrusions. 4: Depth: protruding parts not included. 5: Average value. Each product has an individual variable in weight. 6: Resolution 3,840 x 2,400 Pixels (QUAD PIXEL DRIVE: ON)

7: Luminescence 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 ±52 % and horizontal ±18 % with the ET-D75LE6/ET-D3LEW60. 10: The maximum light output is limited to approximately 15,000 lm. Under the following circumstances, maximum light output may be reduced. 11: Product availability may vary by country or region.

# Installation

	PT-REQ12 PT-REQ12L <sup>6</sup>	PT-REQ10 PT-REQ10L <sup>6</sup>	PT-REQ80 PT-REQ80L <sup>6</sup>
	 12,000 lm / 12,400 lm (Center) <sup>7</sup> 4K * Available in black/white cabinet.	 10,000 lm / 10,300 lm (Center) <sup>7</sup> 4K * Available in black/white cabinet.	 8,000 lm / 8,200 lm (Center) <sup>7</sup> 4K * Available in black/white cabinet.
	                             	                             	                             
<b>Projector type</b>	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
<b>DLP chip</b>			
<b>Panel size</b>	20.3 mm (0.8 in)	20.3 mm (0.8 in)	20.3 mm (0.8 in)
<b>Aspect ratio</b>	16:10	16:10	16:10
<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diode	Laser diode	Laser diode
<b>Light output</b>	12,000 lm / 12,400 lm (Center) <sup>7</sup>	10,000 lm / 10,300 lm (Center) <sup>7</sup>	8,000 lm / 8,200 lm (Center) <sup>7</sup>
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
<b>Resolution</b>	4K (3,840 x 2,400) <sup>8</sup>	4K (3,840 x 2,400) <sup>8</sup>	4K (3,840 x 2,400) <sup>8</sup>
<b>Contrast ratio (full on/full off)</b>	25,000:1	25,000:1	25,000:1
<b>Screen size (diagonal)</b>	1.78-17.8 m (70-700 in) <sup>9</sup>	1.78-17.8 m (70-700 in) <sup>9</sup>	1.78-17.8 m (70-700 in) <sup>9</sup>
<b>Lens (throw ratio)</b>	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REQ12)	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REQ10)	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REQ80)
<b>Lens shift<sup>2</sup></b>	Vertical: ±60 % <sup>10</sup> , Horizontal: ±29 % <sup>11</sup> (powered)	Vertical: ±60 % <sup>10</sup> , Horizontal: ±29 % <sup>11</sup> (powered)	Vertical: ±60 % <sup>10</sup> , Horizontal: ±29 % <sup>11</sup> (powered)
<b>Filter Replacement Cycle</b>	- (No filter)	- (No filter)	- (No filter)
<b>Terminals</b>	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) x 1]	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) x 1]	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) x 1]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	1,030 W	870 W	760 W
<b>On-mode power consumption</b>	[NORMAL] 880 W (AC 100-120 V), 840 W (AC 200-240 V) [ECO] 680 W (AC 100-120 V), 655 W (AC 200-240 V) [QUIET] 670 W (AC 100-120 V), 645 W (AC 200-240 V)	[NORMAL] 725 W (AC 100-120 V), 695 W (AC 200-240 V) [ECO] 565 W (AC 100-120 V), 545 W (AC 200-240 V) [QUIET] 555 W (AC 100-120 V), 535 W (AC 200-240 V)	[NORMAL] 595 W (AC 100-120 V), 575 W (AC 200-240 V) [ECO] 470 W (AC 100-120 V), 455 W (AC 200-240 V) [QUIET] 465 W (AC 100-120 V), 450 W (AC 200-240 V)
<b>BTU value</b>	Max. 3,515 BTU	Max. 2,970 BTU	Max. 2,594 BTU
<b>Operation noise</b>	38 dB (NORMAL/ECO), 35 dB (QUIET)	36 dB (NORMAL/ECO), 33 dB (QUIET)	35 dB (NORMAL/ECO), 32 dB (QUIET)
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 25-1/2 in)	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 25-1/2 in)	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 25-1/2 in)
<b>Weight<sup>5</sup></b>	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )
<b>Optional accessories</b>	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-YFB200C (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>12</sup> ET-NUK10 (NFC Upgrade Kit) <sup>12</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver 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-YFB200C (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>12</sup> ET-NUK10 (NFC Upgrade Kit) <sup>12</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver 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-YFB200C (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>12</sup> ET-NUK10 (NFC Upgrade Kit) <sup>12</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)
<b>Optional lens</b>	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: Lumiance measured at center of screen. 8: With Quad Pixel Drive: ON. 9: With the supplied lens (ET-C1S600). 10: Vertical ±50 % with the ET-C1W300/C1U100. 11: Horizontal ±23 % with the ET-C1W300/C1U100. 12: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required.

## Geometric Adjustment with Free Grid Correction

### FEATURES

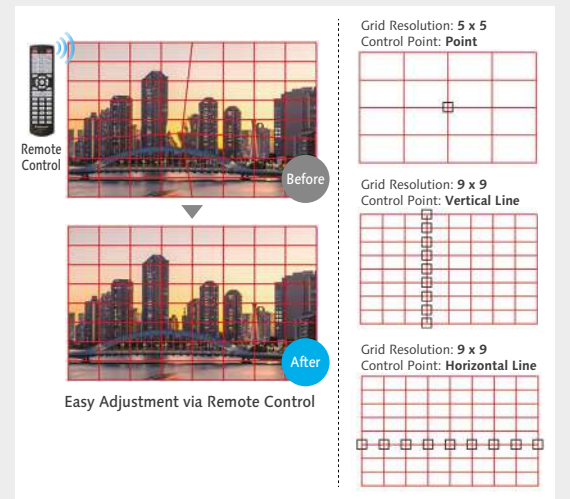


Geometric Adjustment is a suite of built-in functions operated via the projector remote control that correct distortion when images are projected at an angle, onto curved screens, uneven surfaces, or over wall obstructions. Correction extends to spherical, cylindrical, and other complex screen shapes without need of a connected PC.

Maintain Aspect Ratio and independent Corner Adjustment functions simplify correction while the ability to save image-adjustment data is invaluable whenever correction settings needs to be disabled and reapplied, and for saving work progress.















### Free Grid Correction

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



Note: For Geometric Adjustment-ready models, see page 67.











# Installation

	PT-REZ12 PT-REZ12L <sup>6</sup>	PT-REZ10 PT-REZ10L <sup>6</sup>	PT-REZ80 PT-REZ80L <sup>6</sup>	PT-RZ790 PT-RZ790L <sup>6</sup>	PT-RZ690 PT-RZ690L <sup>6</sup>
					
	12,000 lm / 12,400 lm (Center) <sup>7</sup>   WUXGA * Available in black/white cabinet.	10,000 lm / 10,300 lm (Center) <sup>7</sup>   WUXGA * Available in black/white cabinet.	8,000 lm / 8,200 lm (Center) <sup>7</sup>   WUXGA * Available in black/white cabinet.	7,000 lm / 7,200 lm (Center) <sup>7</sup>   WUXGA * Available in black/white cabinet.	6,000 lm / 6,200 lm (Center) <sup>7</sup>   WUXGA * Available in black/white cabinet.
	   	   	   	   	   
<b>Projector type</b>	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
<b>DLP chip</b>	Panel size 20.3 mm (0.8 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels	Panel size 20.3 mm (0.8 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels	Panel size 20.3 mm (0.8 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels	Panel size 17.0 mm (0.67 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels	Panel size 17.0 mm (0.67 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
<b>Light output</b>	12,000 lm / 12,400 lm (Center) <sup>7</sup>	10,000 lm / 10,300 lm (Center) <sup>7</sup>	8,000 lm / 8,200 lm (Center) <sup>7</sup>	7,000 lm / 7,200 lm (Center) <sup>7</sup>	6,000 lm / 6,200 lm (Center) <sup>7</sup>
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)
<b>Resolution</b>	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)
<b>Contrast ratio (full on/full off)</b>	20,000:1	20,000:1	20,000:1	10,000:1	10,000:1
<b>Screen size (diagonal)</b>	1.78-17.8 m (70-700 in)	1.78-17.8 m (70-700 in)	1.78-17.8 m (70-700 in)	1.27-15.24 m (50-600 in) <sup>12</sup>	1.27-15.24 m (50-600 in) <sup>12</sup>
<b>Lens (throw ratio)</b>	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REZ12)	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REZ10)	F 1.84-2.31, f 23.9-37.2 mm (1.36-2.10:1) (PT-REZ80)	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)
<b>Lens shift<sup>2</sup></b>	Vertical: ±60 % <sup>8</sup> , Horizontal: ±29 % <sup>9</sup> (powered)	Vertical: ±60 % <sup>8</sup> , Horizontal: ±29 % <sup>9</sup> (powered)	Vertical: ±60 % <sup>8</sup> , Horizontal: ±29 % <sup>9</sup> (powered)	Vertical: +50 %/-16 % <sup>8</sup> , Horizontal: +30 %/-10 % <sup>13</sup> (powered)	Vertical: +50 %/-16 % <sup>8</sup> , Horizontal: +30 %/-10 % <sup>13</sup> (powered)
<b>Filter Replacement Cycle</b>	- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
<b>Terminals</b>	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) x 1]	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) x 1]	HDMI™ 1 in/2 in [HDMI™ 19-pin x 2] DisplayPort in [DP-20P x 1] Multi Projector Sync in/out [BNC x 2] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) 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] Serial in/out [D-sub 9-pin x 2 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 1] DC OUT [USB type-A x 1] Slot [for function boards (optional) 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/out [D-sub 9-pin x 2 (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]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	995 W	840 W	730 W	630 W	565 W
<b>On-mode power consumption</b>	[NORMAL] 850 W (AC 100-120 V), 810 W (AC 200-240 V) [ECO] 650 W (AC 100-120 V), 625 W (AC 200-240 V) [QUIET] 640 W (AC 100-120 V), 615 W (AC 200-240 V)	[NORMAL] 700 W (AC 100-120 V), 675 W (AC 200-240 V) [ECO] 540 W (AC 100-120 V), 525 W (AC 200-240 V) [QUIET] 530 W (AC 100-120 V), 515 W (AC 200-240 V)	[NORMAL] 570 W (AC 100-120 V), 540 W (AC 200-240 V) [ECO] 440 W (AC 100-120 V), 425 W (AC 200-240 V) [QUIET] 435 W (AC 100-120 V), 420 W (AC 200-240 V)	[NORMAL] 545 W [ECO] 435 W	[NORMAL] 490 W [ECO] 395 W
<b>BTU value</b>	Max. 3,395 BTU	Max. 2,866 BTU	Max. 2,491 BTU	Max. 2,151 BTU	Max. 1,929 BTU
<b>Operation noise</b>	38 dB (NORMAL/ECO), 35 dB (QUIET)	36 dB (NORMAL/ECO), 33 dB (QUIET)	35 dB (NORMAL/ECO), 32 dB (QUIET)	36 dB (NORMAL)/35 dB (QUIET)	36 dB (NORMAL)/35 dB (QUIET)
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 21-3/16 in)	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 21-3/16 in)	498 x 212 x 648 mm (19-19/32 x 8-11/32 x 21-3/16 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)
<b>Weight<sup>5</sup></b>	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )	Approx. 28.7 kg/63.3 lbs (27.0 kg/59.5 lbs <sup>6</sup> )	Approx. 22.1 kg/48.7 lbs (21.3 kg/47.0 lbs <sup>6</sup> )	Approx. 22.1 kg/48.7 lbs (21.3 kg/47.0 lbs <sup>6</sup> )
<b>Optional accessories</b>	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) AJ-WM50 (Wireless Module) <sup>10</sup> ET-NUK10 (NFC Upgrade Kit) <sup>10</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver 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) AJ-WM50 (Wireless Module) <sup>10</sup> ET-NUK10 (NFC Upgrade Kit) <sup>10</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver 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) AJ-WM50 (Wireless Module) <sup>10</sup> ET-NUK10 (NFC Upgrade Kit) <sup>10</sup> ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) TY-SB01QS (12G-SDI Terminal Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver 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) AJ-WM50 (Wireless Module) <sup>10</sup> ET-NUK10 (NFC Upgrade Kit) <sup>10</sup> 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)
<b>Optional lens</b>	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used with a fixed-focus lens. 3: Height; with legs at shortest position. 4: 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: Vertical +40 %/-16 % with the ET-DLE060.

9: Horizontal +10 %/-20 % with the ET-DLE020, +19 %/-10 % with the ET-DLE060, +28 %/-10 % with the ET-DLE105/ET-DLE085. 10: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 11: HDMI/DIGITAL LINK input only. 12: 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. 13: Horizontal +19 %/-10 % with the ET-DLE060, +28 %/-10 % with the ET-DLE085/ET-DLE105.ical ±4 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60.









# Installation

	PT-FRQ60	PT-FRQ50	PT-FRZ60 <sup>7</sup>	PT-FRZ50 <sup>7</sup>	PT-FRZ55 <sup>7</sup>
	 <p>6,000 lm / 6,200 lm (Center)<sup>6</sup>   4K<sup>5</sup> * Available in black/white cabinet.</p> 	 <p>5,200 lm / 5,400 lm (Center)<sup>6</sup>   4K<sup>5</sup> * Available in black/white cabinet.</p> 	 <p>6,000 lm / 6,200 lm (Center)<sup>6</sup>   WUXGA * Available in black/white cabinet.</p> 	 <p>5,200 lm / 5,400 lm (Center)<sup>6</sup>   WUXGA * Available in black/white cabinet.</p> 	 <p>5,000 lm / 5,200 lm (Center)<sup>6</sup>   WUXGA</p> 
<b>Projector type</b>	1-Chip DLP™ Projector				
<b>DLP chip</b>	<b>Panel size</b>	16.5 mm (0.65 in)	16.5 mm (0.65 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)
	<b>Aspect ratio</b>	16:9	16:9	16:10	16:10
	<b>Number of pixels</b>	2,073,600 (1,920 x 1,080 pixels)	2,073,600 (1,920 x 1,080 pixels)	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diode				
<b>Light output</b>	6,000 lm / 6,200 lm (Center) <sup>6</sup>				
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)				
<b>Resolution</b>	4K (3,840 x 2,160)	4K (3,840 x 2,160)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
<b>Contrast ratio (full on/full off)</b>	20,000:1				
<b>Screen size (diagonal)</b>	1.02-7.62 m (40-300 in)				
<b>Lens (throw ratio)</b>	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)				
<b>Lens shift<sup>2</sup></b>	Vertical: +71 %/-48 %, Horizontal: +34 %/-27 % (manual)				
<b>Filter Replacement Cycle</b>	- (No filter)				
<b>Terminals</b>	HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB (DC OUT) [USB type-A x 1]				
<b>Power supply</b>	100-240 V AC, 50/60 Hz				
<b>Maximum power consumption</b>	505 W				
<b>On-mode power consumption</b>	[NORMAL] 445 W [ECO] 355 W [QUIET] 355 W				
<b>BTU value</b>	Max. 1,775 BTU				
<b>Operation noise</b>	36 dB (NORMAL/ECO)/31 dB (QUIET)				
<b>Dimensions (W x H<sup>3</sup> x D)</b>	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)				
<b>Weight<sup>4</sup></b>	Approx. 16.4 kg/36.2 lbs				
<b>Optional accessories</b>	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) <sup>7</sup> TY-WPS1 (Wireless Presentation System)				
<b>Optional lens</b>	-				

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

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

# Installation







		PT-MZ20KL	PT-MZ17KL	PT-MZ14KL	PT-MZ11KL
		 <p>20,000 lm WUXGA</p> <p>* Lens sold separately.* Available in black/white cabinet.</p> 	 <p>16,500 lm WUXGA</p> <p>* Lens sold separately.* Available in black/white cabinet.</p> 	 <p>14,000 lm WUXGA</p> <p>* Lens sold separately.* Available in black/white cabinet.</p> 	 <p>11,000 lm WUXGA</p> <p>* Lens sold separately.* Available in black/white cabinet.</p> 
<b>Projector type</b>		LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	25.4 mm (1.0 in)	25.4 mm (1.0 in)	25.4 mm (1.0 in)	25.4 mm (1.0 in)
	<b>Aspect ratio</b>	16:10	16:10	16:10	16:10
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diode				
<b>Light output</b>	20,000 lm				
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL/QUIET)				
<b>Resolution</b>	WUXGA (1,920 x 1,200)				
<b>Contrast ratio (full on/full off)</b>	3,000,000:1				
<b>Screen size (diagonal)</b>	2.03-15.24 m (80-600 in) <sup>7</sup>				
<b>Lens (throw ratio)</b>	Optional zoom lens				
<b>Lens shift<sup>2</sup></b>	Vertical: ±60 % <sup>8</sup> , Horizontal: ±20 % <sup>8</sup> (powered)				
<b>Filter Replacement Cycle</b>	20,000 hours				
<b>Terminals</b>	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 2] Serial/Multi Projector Sync in/out [D-sub 9-pin x 2 (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))] USB [USB type A x 1 (for optional AJ-WM50 Series Wireless Module, for USB memory)]				
<b>Power supply</b>	100-240 V AC, 50/60 Hz				
<b>Maximum power consumption</b>	1,100 W				
<b>On-mode power consumption</b>	[NORMAL] 1,050 W (AC 100-120 V), 1,000 W (AC 200-240 V) [QUIET] 630 W (AC 100-120 V), 610 W (AC 200-240 V)				
<b>BTU value</b>	Max. 3,754 BTU				
<b>Operation noise</b>	42 dB (NORMAL), 36 dB (QUIET)				
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>	650 x 211 x 440 mm (25-19/32 x 8-5/16 x 17-5/16 in)				
<b>Weight<sup>5</sup></b>	Approx. 23.0 kg/50.7 lbs				
<b>Optional accessories</b>	ET-PKD130H (High ceiling mount bracket) 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) AJ-WM50 (Wireless Module) <sup>9</sup> ET-NUK10 (NFC Upgrade Kit) <sup>9</sup>				
<b>Optional lens</b>	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: Depth: Not including lens or protruding parts. 5: Average value. Each product has an individual variable in weight. 6: HDMI/DIGITAL LINK input only.

7: 2.54-10.16 m [100-400 in] (with ET-EMU100) 8: Vertical +50 %, -20% and horizontal ±20 % with the ET-EMU100. Vertical ±40% and horizontal ±19 % with the ET-EMW200. Vertical ±50% and horizontal ±20 % with the ET-EMW300. 9: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 10: 2.54-10.16 m [100-400 in] (with ET-EMU100), 2.03-12.7 m [80-500 in] (with ET-EMT800)



# Installation

		PT-MZ880	PT-MZ780	PT-MZ680
		 <p>8,000 lm WUXGA *Available in black/white cabinet.</p> 	 <p>7,000 lm WUXGA *Available in black/white cabinet.</p> 	 <p>6,000 lm WUXGA *Available in black/white cabinet.</p> 
<b>Projector type</b>		LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	19.3 mm (0.76 in)	19.3 mm (0.76 in)	19.3 mm (0.76 in)
	<b>Aspect ratio</b>	16:10	16:10	16:10
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels x 3
<b>Light source</b>		Laser diode	Laser diode	Laser diode
<b>Light output</b>		8,000 lm	7,000 lm	6,000 lm
<b>Time until light output declines to 50%<sup>1</sup></b>		20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
<b>Resolution</b>		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
<b>Contrast ratio (full on/full off)</b>		3,000,000:1	3,000,000:1	3,000,000:1
<b>Screen size (diagonal)</b>		1.02-10.16 m (40-400 in) <sup>7</sup>	1.02-10.16 m (40-400 in) <sup>7</sup>	1.02-10.16 m (40-400 in) <sup>7</sup>
<b>Lens (throw ratio)</b>		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)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)
<b>Lens shift<sup>2</sup></b>		Vertical: ±67 % <sup>8</sup> , Horizontal: ±35 % <sup>8</sup> (powered)	Vertical: ±67 % <sup>8</sup> , Horizontal: ±35 % <sup>8</sup> (powered)	Vertical: ±67 % <sup>8</sup> , Horizontal: ±35 % <sup>8</sup> (powered)
<b>Filter Replacement Cycle</b>		20,000 hours	20,000 hours	20,000 hours
<b>Terminals</b>		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/out [M3 x 2] 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/out [M3 x 2] 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/out [M3 x 2] 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))]
<b>Power supply</b>		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>		490 W	435 W	360 W
<b>On-mode power consumption</b>		[NORMAL] 435 W (100-120 V), 415 W (200-240 V) [ECO] 315 W (100-120 V), 300 W (200-240 V) [QUIET] 310 W (100-120 V), 295 W (200-240 V)	[NORMAL] 395 W (100-120 V), 375 W (200-240 V) [ECO] 285 W (100-120 V), 275 W (200-240 V) [QUIET] 280 W (100-120 V), 270 W (200-240 V)	[NORMAL] 330 W (100-120 V), 315 W (200-240 V) [ECO] 240 W (100-120 V), 230 W (200-240 V) [QUIET] 238 W (100-120 V), 228 W (200-240 V)
<b>BTU value</b>		Max. 1,675 BTU	Max. 1,485 BTU	Max. 1,230 BTU
<b>Operation noise</b>		34 dB (NORMAL/ECO)/ 27 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>		561 x 190 x 437 mm (22-3/32 x 7-15/32 x 17-7/32 in)	561 x 190 x 437 mm (22-3/32 x 7-15/32 x 17-7/32 in)	561 x 190 x 437 mm (22-3/32 x 7-15/32 x 17-7/32 in)
<b>Weight<sup>5</sup></b>		Approx. 18.6 kg/41.0 lbs	Approx. 18.6 kg/41.0 lbs	Approx. 17.6 kg/38.8 lbs
<b>Optional accessories</b>		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)	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)
<b>Optional lens</b>		Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)

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: Not including lens or protruding parts.

5: Average value. Each product has an individual variable in weight. 6: HDMI/DIGITAL LINK input only. 7: 1.52-10.16 m [60-400 in] (with ET-ELW22), 2.54-10.16 m [100-400 in] (with ET-ELU20) 8: Vertical ±60 % and horizontal ±30 % with the ET-ELW22. Vertical ±50 % and horizontal ±24 % with the ET-ELU20.

## DIGITAL LINK

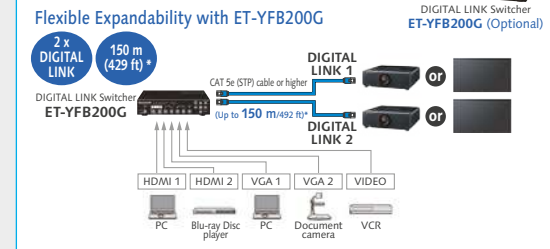
Next-Generation High-Quality Digital Transmission over a Single Cable



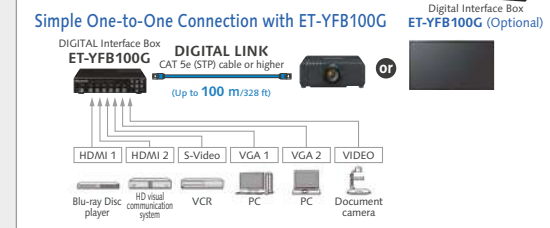
High Quality
Long Distance
Cost Effective

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

### For Auditorium, Museum, Digital signage and more



### For Classrooms, Meeting rooms, Retail outlets, etc.



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

## The DIGITAL LINK World







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



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

Note: For DIGITAL LINK-ready models, see the "Function" column of the Feature Compatibility Chart on page 49 to 54.











# Installation

		PT-EZ770Z PT-EZ770ZL <sup>6</sup>	PT-EW730Z PT-EW730ZL <sup>6</sup>	PT-EX800Z PT-EX800ZL <sup>6</sup>
		 6,500 lm    WUXGA 	 7,000 lm    WXGA 	 7,500 lm    XGA 
<b>Projector type</b>		LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	19.0 mm (0.76 in)	19.0 mm (0.76 in)	20.0 mm (0.79 in)
	<b>Aspect ratio</b>	16:10	16:10	4:3
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
<b>Light source</b>		400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp
<b>Light output</b>		6,500 lm	7,000 lm	7,500 lm
<b>Time until light output declines to 50%<sup>1</sup></b>		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)
<b>Resolution</b>		WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
<b>Contrast ratio (full on/full off)</b>		5,000:1	5,000:1	5,000:1
<b>Screen size (diagonal)</b>		1.02-10.16 m (40-400 in) <sup>7</sup>	1.02-10.16 m (40-400 in) <sup>7</sup>	1.02-10.16 m (40-400 in) <sup>7</sup>
<b>Lens (throw ratio)</b>		F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EZ770Z)	F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EW730Z)	F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EX800Z)
<b>Lens shift<sup>2</sup></b>		Vertical: ±60 %, Horizontal: ±10 % (powered)	Vertical: ±60 %, Horizontal: ±10 % (powered)	Vertical: ±50 %, Horizontal: ±10 % (powered)
<b>Filter Replacement Cycle</b>		15,000 hours	15,000 hours	15,000 hours
<b>Installation</b>		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
<b>Terminals</b>		HDMI in [HDMI 19-pin x 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]
<b>Power supply</b>		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>		590 W	575 W	575 W
<b>BTU value</b>		Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU
<b>Built-in speaker</b>		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>		37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)
<b>Dimensions (W x H<sup>3</sup> x D<sup>4</sup>)</b>		530 x 177 x 445 mm (20-7/8 x 6-31/32 x 17-17/32 in)	530 x 177 x 445 mm (20-7/8 x 6-31/32 x 17-17/32 in)	530 x 177 x 445 mm (20-7/8 x 6-31/32 x 17-17/32 in)
<b>Weight<sup>5</sup></b>		Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs <sup>6</sup> )	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs <sup>6</sup> )	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs <sup>6</sup> )
<b>Replacement lamp</b>		ET-LAE300	ET-LAE300	ET-LAE300
<b>Optional accessories</b>		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)
<b>Optional lens</b>		Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)

1: The usage environment affects the lamp replacement cycle.  
2: The lens shift cannot be used with a fixed-focus lens.  
3: Height: with legs at shortest position.

4: Depth: Not including lens or protruding parts.  
5: Average value. Each product has an individual variable in weight.  
6: Lens-less model. 7: 1.52-10.16 m (60-400 in) with the ET-ELW22.

# Installation

	PT-EZ590 PT-EZ590L <sup>5</sup>	PT-EW650 PT-EW650L <sup>5</sup>	PT-EW550 PT-EW550L <sup>5</sup>	PT-EX620 PT-EX620L <sup>5</sup>	PT-EX520 PT-EX520L <sup>5</sup>
	 5,400 lm WUXGA 	 5,800 lm WXGA 	 5,000 lm WXGA 	 6,200 lm XGA 	 5,300 lm XGA 
<b>Projector type</b>	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b> 16.3 mm (0.64 in) <b>Aspect ratio</b> 16:10 <b>Number of pixels</b> 2,304,000 (1,920 x 1,200) pixels	<b>Panel size</b> 16.3 mm (0.64 in) <b>Aspect ratio</b> 16:10 <b>Number of pixels</b> 1,024,000 (1,280 x 800) pixels	<b>Panel size</b> 16.3 mm (0.64 in) <b>Aspect ratio</b> 16:10 <b>Number of pixels</b> 1,024,000 (1,280 x 800) pixels	<b>Panel size</b> 16.0 mm (0.63 in) <b>Aspect ratio</b> 4:3 <b>Number of pixels</b> 786,432 (1,024 x 768) pixels	<b>Panel size</b> 16.0 mm (0.63 in) <b>Aspect ratio</b> 4:3 <b>Number of pixels</b> 786,432 (1,024 x 768) pixels
<b>Light source</b>	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp
<b>Light output</b>	5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
<b>Time until light output declines to 50%<sup>1</sup></b>	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)
<b>Resolution</b>	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
<b>Contrast ratio (full on/full off)</b>	10,000:1	10,000:1	2,000:1	10,000:1	2,000:1
<b>Screen size (diagonal)</b>	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)
<b>Lens (throw ratio)</b>	F 1.6-2.2, f 171-31.7 mm (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 171-31.7 mm (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f 171-31.7 mm (1.22-2.26:1) (PT-EW550)	F 1.6-2.2, f 171-31.7 mm (1.32-2.44:1) (PT-EX620)	F 1.6-2.2, f 171-31.7 mm (1.32-2.44:1) (PT-EX520)
<b>Lens shift</b>	Vertical: ±60 % Horizontal: ±30 % (powered)	Vertical: ±60 % Horizontal: ±30 % (powered)	Vertical: ±60 % Horizontal: ±30 % (powered)	Vertical: ±50 % Horizontal: ±30 % (powered)	Vertical: ±50 % Horizontal: ±30 % (powered)
<b>Filter Replacement Cycle</b>	15,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
<b>Installation</b>	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
<b>Terminals</b>	HDMI in [HDMI 19-pin x 1] 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 <sup>7</sup> )]	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 <sup>7</sup> )]	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 <sup>7</sup> )]	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 <sup>7</sup> )]	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 <sup>7</sup> )]
<b>Power supply</b>	100-240 V AC, 5.5-2.3 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz
<b>Maximum power consumption</b>	484 W	461 W	461 W	461 W	461 W
<b>BTU value</b>	Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)
<b>Dimensions (W x H<sup>2</sup> x D<sup>3</sup>)</b>	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)
<b>Weight<sup>4</sup></b>	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs <sup>5</sup> )	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs <sup>5</sup> )	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs <sup>5</sup> )	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs <sup>5</sup> )	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs <sup>5</sup> )
<b>Replacement lamp</b>	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100
<b>Optional accessories</b>	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) <sup>7</sup>	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) <sup>7</sup>	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) <sup>7</sup>	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) <sup>7</sup>	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) <sup>7</sup>
<b>Optional lens</b>	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)	Yes (see the Optional Lenses page: P45)

1: The usage environment affects the lamp replacement cycle.

2: Height: with legs at shortest position.







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

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

5: Lens-less model.

6: The optional ET-WML100 Wireless Module is required. 7: Limited stock.

# Installation

		PT-FZ570	PT-FW530	PT-FX500
		 4,500 lm WUXGA 	 4,500 lm WXGA 	 5,000 lm XGA 
<b>Projector type</b>		LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	<b>Aspect ratio</b>	16:10	16:10	4:3
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
<b>Light source</b>		270 W UHM Lamp	270 W UHM Lamp	270 W UHM Lamp
<b>Light output</b>		4,500 lm	4,500 lm	5,000 lm
<b>Time until light output declines to 50%<sup>1</sup></b>		6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)
<b>Resolution</b>		WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
<b>Contrast ratio (full on/full off)</b>		10,000:1	10,000:1	10,000:1
<b>Screen size (diagonal)</b>		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)
<b>Lens (throw ratio)</b>		F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1)
<b>Lens shift</b>		Vertical: ±60 %, Horizontal: ±30 % (manual)	Vertical: ±60 %, Horizontal: ±30 % (manual)	Vertical: ±50 %, Horizontal: ±30 % (manual)
<b>Filter Replacement Cycle</b>		16,000 hours	16,000 hours	16,000 hours
<b>Installation</b>		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
<b>Terminals</b>		HDMI in [HDMI 19-pin x 2] 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 <sup>6</sup> )]	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 <sup>6</sup> )]	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 <sup>6</sup> )]
<b>Power supply</b>		100-240 V AC, 4.7-1.9 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz
<b>Maximum power consumption</b>		413 W	400 W	400 W
<b>BTU value</b>		Max. 1,410 BTU	Max. 1,365 BTU	Max. 1,365 BTU
<b>Built-in speaker</b>		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>		33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)
<b>Dimensions (W x H<sup>2</sup> x D<sup>3</sup>)</b>		498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)	498 x 145 x 398.3 mm (19-19/32 x 5-23/32 x 15-11/16 in)
<b>Weight<sup>4</sup></b>		Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs
<b>Replacement lamp</b>		ET-LAEF100	ET-LAEF100	ET-LAEF100
<b>Optional accessories</b>		ET-PKD120H (High ceiling mount bracket) 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) <sup>6</sup>	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) <sup>6</sup>	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) <sup>6</sup>

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.

# Portable

## PT-VMZ71



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



## PT-VMZ61



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



## PT-VMZ51



5,200 lm WUXGA



## PT-VMZ51S



5,200 lm WUXGA



<b>Projector type</b>	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	<b>Aspect ratio</b>	16:10	16:10	16:10
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
<b>Light source</b>	Laser diode	Laser diode	Laser diode	Laser diode
<b>Light output</b>	7,000 lm	6,200 lm	5,200 lm	5,200 lm
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)
<b>Resolution</b>	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
<b>Contrast ratio (full on/full off)</b>	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
<b>Screen size (diagonal)</b>	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
<b>Lens (throw ratio)</b>	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
<b>Lens shift</b>	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
<b>Filter Replacement Cycle</b>	20,000 hours	20,000 hours	20,000 hours	20,000 hours
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals</b>	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN [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)]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	420 W	370 W	305 W	300 W
<b>On-mode power consumption</b>	[NORMAL] 390 W (100-120 V), 375 W (200-240 V) [ECO] 275 W (100-120 V), 265 W (200-240 V) [QUIET] 270 W (100-120 V), 260 W (200-240 V)	[NORMAL] 335 W (100-120 V), 320 W (200-240 V) [ECO] 240 W (100-120 V), 230 W (200-240 V) [QUIET] 235 W (100-120 V), 225 W (200-240 V)	[NORMAL] 270 W (100-120 V), 255 W (200-240 V) [ECO] 195 W (100-120 V), 185 W (200-240 V) [QUIET] 190 W (100-120 V), 180 W (200-240 V)	[NORMAL] 265 W (100-120 V), 255 W (200-240 V) [ECO] 190 W (100-120 V), 180 W (200-240 V) [QUIET] 185 W (100-120 V), 175 W (200-240 V)
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>	38 dB (NORMAL/ECO)/28 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)
<b>Dimensions (W x H<sup>2</sup> x D)</b>	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)
<b>Weight<sup>3</sup></b>	Approx. 7.0 kg/15.4 lbs	Approx. 6.9 kg/15.2 lbs	Approx. 6.5 kg/14.3 lbs	Approx. 6.5 kg/14.3 lbs
<b>Replacement lamp</b>	- (No lamp)	- (No lamp)	- (No lamp)	- (No lamp)
<b>Optional accessories</b>	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) <sup>6</sup>	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) <sup>6</sup>	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) <sup>6</sup>	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) <sup>6</sup>

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: Height: with legs at shortest position. 3: Average value. Each product has an individual variable in weight.

4: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI and DIGITAL LINK terminal. 5: The optional Wireless Module is required. 6: The availability varies depending on the country. 7: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI terminal.

# Portable

## PT-LMZ460



4,600 lm WUXGA



## PT-LMZ420



4,200 lm WUXGA



## PT-LMW460



4,600 lm WXGA



## PT-LMW420



4,200 lm WXGA



<b>Projector type</b>	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	<b>Aspect ratio</b>	16:10	16:10	16:10
	<b>Number of pixels</b>	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels
<b>Light source</b>	Laser diode	Laser diode	Laser diode	Laser diode
<b>Light output</b>	4,600 lm	4,200 lm	4,600 lm	4,200 lm
<b>Time until light output declines to 50%</b>	20,000 hours (NORMAL) <sup>5</sup>	20,000 hours (NORMAL) <sup>5</sup>	20,000 hours (NORMAL) <sup>5</sup>	20,000 hours (NORMAL) <sup>5</sup>
<b>Resolution</b>	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)
<b>Contrast ratio (full on/full off)</b>	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
<b>Screen size (diagonal)</b>	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
<b>Lens (throw ratio)</b>	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)
<b>Lens shift</b>	- [fixed]	- [fixed]	- [fixed]	- [fixed]
<b>Filter Replacement Cycle</b>	20,000 hours	20,000 hours	20,000 hours	20,000 hours
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals</b>	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	240 W	240 W	230 W	230 W
<b>On-mode power consumption</b>	[NORMAL] 215 W (100-240 V), 205 W (200-240 V) [ECO] 165 W (100-240 V), 160 W (200-240 V) [QUIET] 160 W (100-240 V), 155 W (200-240 V)	[NORMAL] 215 W (100-240 V), 205 W (200-240 V) [ECO] 165 W (100-240 V), 160 W (200-240 V) [QUIET] 160 W (100-240 V), 155 W (200-240 V)	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 145 W (200-240 V)	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 145 W (200-240 V)
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>	35 dB (NORMAL/ECO)/24 dB (QUIET)	33 dB (NORMAL/ECO)/23 dB (QUIET)	35 dB (NORMAL/ECO)/24 dB (QUIET)	33 dB (NORMAL/ECO)/23 dB (QUIET)
<b>Dimensions (W x H<sup>1</sup> x D)</b>	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)
<b>Weight<sup>2</sup></b>	Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs
<b>Replacement lamp</b>	- (No lamp)	- (No lamp)	- (No lamp)	- (No lamp)
<b>Optional accessories</b>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>

1: Height; with legs at shortest position. 2: Average value. Each product has an individual variable in weight.  
3: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI.  
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 availability varies depending on the country.









# Portable

		PT-LMX460	PT-LMX420	PT-VW360	PT-VX430	PT-LW376
		 4,600 lm XGA  	 4,200 lm XGA  	 4,000 lm WXGA 	 4,500 lm XGA 	 3,600 lm WXGA 
<b>Projector type</b>		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	16.3 mm (0.64 in)	16.3 mm (0.64 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)	15.0 mm (0.59 in)
	<b>Aspect ratio</b>	16:10	16:10	16:10	4:3	16:10
	<b>Number of pixels</b>	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	1,024,000 (1,280 x 800) pixels
<b>Light source</b>	Laser diode	Laser diode	240 W UHM Lamp	240 W UHM Lamp	240 W UHM Lamp	230 W UHM Lamp
<b>Light output</b>	4,600 lm	4,200 lm	4,000 lm	4,500 lm	4,500 lm	3,600 lm
<b>Time until light output declines to 50%</b>	20,000 hours (NORMAL) <sup>5</sup>	20,000 hours (NORMAL) <sup>5</sup>	5,000 hours (NORMAL)/7,000 hours (ECO)	5,000 hours (NORMAL)/7,000 hours (ECO)	5,000 hours (NORMAL)/7,000 hours (ECO)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
<b>Resolution</b>	XGA (1,024 x 768)	XGA (1,024 x 768)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WXGA (1,280 x 800)	WXGA (1,280 x 800)
<b>Contrast ratio (full on/full off)</b>	3,000,000:1	3,000,000:1	20,000:1	20,000:1	20,000:1	20,000:1
<b>Screen size (diagonal)</b>	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
<b>Lens (throw ratio)</b>	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)	F 1.61-1.76, f 19.10-23.0 mm (1.36-1.64:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)
<b>Lens shift</b>	- [fixed]	- [fixed]	49:1 (fixed)	9:1 (fixed)	9:1 (fixed)	6:1 [fixed]
<b>Filter Replacement Cycle</b>	20,000 hours	20,000 hours	7,000 hours	7,000 hours	7,000 hours	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
<b>Terminals</b>	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	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 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)]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	230 W	230 W	320 W	320 W	320 W	300 W
<b>On-mode power consumption</b>	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 145 W (200-240 V)	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 145 W (200-240 V)				
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>	35 dB (NORMAL/ECO)/24 dB (QUIET)	33 dB (NORMAL/ECO)/23 dB (QUIET)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
<b>Dimensions (W x H<sup>1</sup> x D)</b>	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)	349 x 105 x 309 mm (13-3/4 x 4-1/8 x 12-5/32 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	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)
<b>Weight<sup>2</sup></b>	Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs
<b>Replacement lamp</b>	- (No lamp)	- (No lamp)	ET-LAV300	ET-LAV300	ET-LAV300	ET-LAL510
<b>Optional accessories</b>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 (Wireless Module) <sup>6</sup>	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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> ET-ADSV (D-Sub/S-VIDEO conversion cable)

1: Height; with legs at shortest position. 2: Average value. Each product has an individual variable in weight.  
3: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI.  
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. 6: The availability varies depending on the country.

# Portable

	PT-LW336	PT-LB426	PT-LB356	PT-LB306 <sup>5</sup>
	 3,100 lm   WXGA 	 4,100 lm   XGA 	 3,300 lm   XGA 	 3,100 lm   XGA 
<b>Projector type</b>	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	<b>Aspect ratio</b>	16:10	4:3	4:3
	<b>Number of pixels</b>	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
<b>Light source</b>	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
<b>Light output</b>	3,100 lm	4,100 lm	3,300 lm	3,100 lm
<b>Time until light output declines to 50%<sup>1</sup></b>	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
<b>Resolution</b>	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)
<b>Contrast ratio (full on/full off)</b>	20,000:1	20,000:1	20,000:1	20,000:1
<b>Screen size (diagonal)</b>	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
<b>Lens (throw ratio)</b>	F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)
<b>Lens shift</b>	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
<b>Filter Replacement Cycle</b>	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
<b>Installation</b>	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
<b>Terminals</b>	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 1] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] USB [USB type-B x 1 (for service use)]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	300 W	300 W	300 W	300 W
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
<b>Operation noise</b>	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)
<b>Dimensions (W x H<sup>2</sup> x D)</b>	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)
<b>Weight<sup>3</sup></b>	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.39 lbs	Approx. 2.8 kg/6.17 lbs
<b>Replacement lamp</b>	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510
<b>Optional accessories</b>	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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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: The availability varies depending on the country.  
6: Stock limited.



# Short Throw/ Ultra Short Throw

		PT-TMZ400	PT-TMW380	PT-TMX380
		 4,000 lm   WUXGA  	 3,800 lm   WXGA  	 3,800 lm   XGA  
<b>Projector type</b>	<b>LCD panel</b>	LCD Projector	LCD Projector	LCD Projector
	<b>Panel size</b>	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	<b>Aspect ratio</b>	16:10	16:10	4:3
	<b>Number of pixels</b>	2,304,000 (1920 x 1200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
<b>Light source</b>	Laser diodes	Laser diodes	Laser diodes	
<b>Light output</b>	4,000 lm	3,800 lm	3,800 lm	
<b>Time until light output declines to 50%<sup>1</sup></b>	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	
<b>Resolution</b>	WUXGA (1920 x 1200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	
<b>Contrast ratio (full on/full off)</b>	3,000,000:1	3,000,000:1	3,000,000:1	
<b>Screen size (diagonal)</b>	1.27-2.67 m (50-105 in)	1.27-2.67 m (50-105 in)	1.27-2.67 m (50-105 in)	
<b>Lens (throw ratio)</b>	F 1.8, f 6.08 mm (0.43:1)	F 1.8, f 6.08 mm (0.43:1)	F 1.8, f 6.08 mm (0.43:1)	
<b>Lens shift</b>	- (fixed)	- (fixed)	- (fixed)	
<b>Filter Replacement Cycle</b>	20,000 hours	20,000 hours	20,000 hours	
<b>Installation</b>	Ceiling/floor, front/rear free 360-degree installation	Ceiling/floor, front/rear free 360-degree installation	Ceiling/floor, front/rear free 360-degree installation	
<b>Terminals</b>	HDMI in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]	
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	
<b>Maximum power consumption</b>	240 W	230 W	230 W	
<b>On-mode power consumption</b>	[NORMAL] 215 W (100-240 V), 205 W (200-240 V) [ECO] 165 W (100-240 V), 160 W (200-240 V) [QUIET] 160 W (100-240 V), 155 W (200-240 V)	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 140 W (200-240 V)	[NORMAL] 205 W (100-240 V), 195 W (200-240 V) [ECO] 155 W (100-240 V), 145 W (200-240 V) [QUIET] 150 W (100-240 V), 145 W (200-240 V)	
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	
<b>Operation noise</b>	35 dB (NORMAL/ECO)/24 dB (QUIET)	35 dB (NORMAL/ECO)/24 dB (QUIET)	35 dB (NORMAL/ECO)/24 dB (QUIET)	
<b>Dimensions (W x H<sup>2</sup> x D)</b>	349 x 138 x 370 mm (13-3/4 x 5-7/16 x 14-9/16 in)	349 x 138 x 370 mm (13-3/4 x 5-7/16 x 14-9/16 in)	349 x 138 x 370 mm (13-3/4 x 5-7/16 x 14-9/16 in)	
<b>Weight<sup>3</sup></b>	Approx. 4.9 kg/10.8 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.9 kg/10.8 lbs	
<b>Replacement lamp</b>	- (No lamp)	- (No lamp)	- (No lamp)	
<b>Optional accessories</b>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series (Wireless Module) <sup>6</sup>	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series (Wireless Module) <sup>6</sup>	

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.

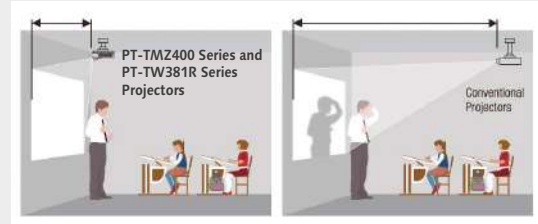
4: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI.  
5: To operate wireless projection, the optional Wireless Module AJ-WM50 is required.  
6: The availability varies depending on the country.

## FEATURES

Short-Throw Projectors  
Promote Effective Communication  
Without Screen Shadowing

### Short-Throw Projection

Communicate with flair almost anywhere with support for desktop or ceiling installation. The PT-TMZ400 Series and PT-TW381R Series can be set up at arm's length from the screen to reproduce a big 80-inch image<sup>1</sup>. As well as bringing large pictures to small spaces, the short-throw lens casts the image in front of the presenter so his or her shadow does not obscure the screen.

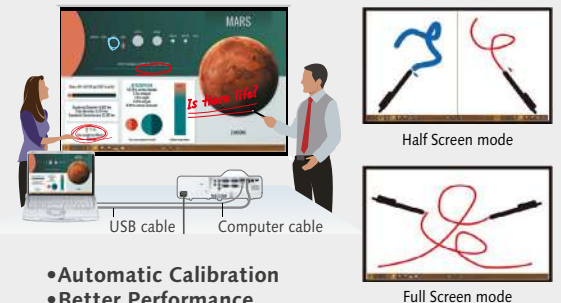


1: Projection distance is 73 cm for the PT-TMZ400/TMW380, 75 cm for the PT-TMX380 and PT-TX440/PT-TX350, and 80 cm for the PT-TW381R/PT-TW380 when projecting an 80-inch image.

### Interactive Function

Supported projector: PT-TW381R

Communicate effectively by making notations on stills, graphics, and documents, adding new information as your meeting or lesson progresses using the supplied Interactive Light Pen or optional Interactive Pointer. Companion LightPen3 Software for Windows® or Mac improves writing smoothness for up to two presenters at once with support for high frame-rates. You can save modified images to PC for later distribution.



- Automatic Calibration
- Better Performance
- Supports Two Pens

For more information, please visit the website.  
>>> [panasonic.net/cns/projector/products/tw381r](http://panasonic.net/cns/projector/products/tw381r)

# Short Throw/ Ultra Short Throw

## PT-TW381R



3,300 lm WXGA



## PT-TW380



3,300 lm WXGA



## PT-TX440<sup>5</sup>



3,800 lm XGA



## PT-TX350<sup>5</sup>



3,200 lm XGA



## PT-CMZ50



5,200 lm WUXGA



\* Available in black/white cabinet.

<b>Projector type</b>	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
<b>LCD panel</b>	<b>Panel size</b>	15.0 mm (0.59 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	<b>Aspect ratio</b>	16:10	16:10	4:3	4:3
	<b>Number of pixels</b>	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
<b>Light source</b>	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	Laser diodes
<b>Light output</b>	3,300 lm	3,300 lm	3,800 lm	3,200 lm	5,200 lm
<b>Time until light output declines to 50%<sup>1</sup></b>	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)
<b>Resolution</b>	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)
<b>Contrast ratio (full on/full off)</b>	20,000:1	20,000:1	20,000:1	20,000:1	3,000,000:1
<b>Screen size (diagonal)</b>	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	2.03-3.05 m (80-120 in)
<b>Lens (throw ratio)</b>	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.7, f 2.81 mm (0.235:1)
<b>Lens shift</b>	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	- (fixed)
<b>Filter Replacement Cycle</b>	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	20,000 hours
<b>Installation</b>	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear free 360-degree installation
<b>Terminals</b>	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))]	HDMI™ in 1/ in 2 [HDMI™ 19-pin x 2] HDMI™ out [HDMI™ 19-pin x 1] Computer in [D-sub 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]
<b>Power supply</b>	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
<b>Maximum power consumption</b>	300 W	300 W	300 W	300 W	325 W
<b>On-mode power consumption</b>	-	-	-	-	[NORMAL] 290 W (AC 100-120 V), 280 W (AC 200-240 V) [ECO] 215 W (AC 100-120 V), 205 W (AC 200-240 V) [QUIET] 210 W (AC 100-120 V), 200 W (AC 200-240 V)
<b>Built-in speaker</b>	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
<b>Operation noise</b>	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)	34 dB (NORMAL/ECO)/25 dB (QUIET)
<b>Dimensions (W x H<sup>2</sup> x D)</b>	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)	495 x 176 x 421 mm (19-1/2 x 6-15/16 x 16-37/64 in)
<b>Weight<sup>3</sup></b>	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 9.5 kg/20.9 lbs
<b>Replacement lamp</b>	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510	- (No lamp)
<b>Optional accessories</b>	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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> 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) <sup>5</sup> ET-WML100 (Wireless Module) <sup>6</sup> ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKD120H (High ceiling mount bracket) ET-PKD130H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-WBC100 (Wall Mount Bracket) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 Series (Wireless Module) <sup>5</sup>

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: The availability varies depending on the country. 6: Stock limited.  
7: HDMI input only. Supports signal up to 4K/30p.

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

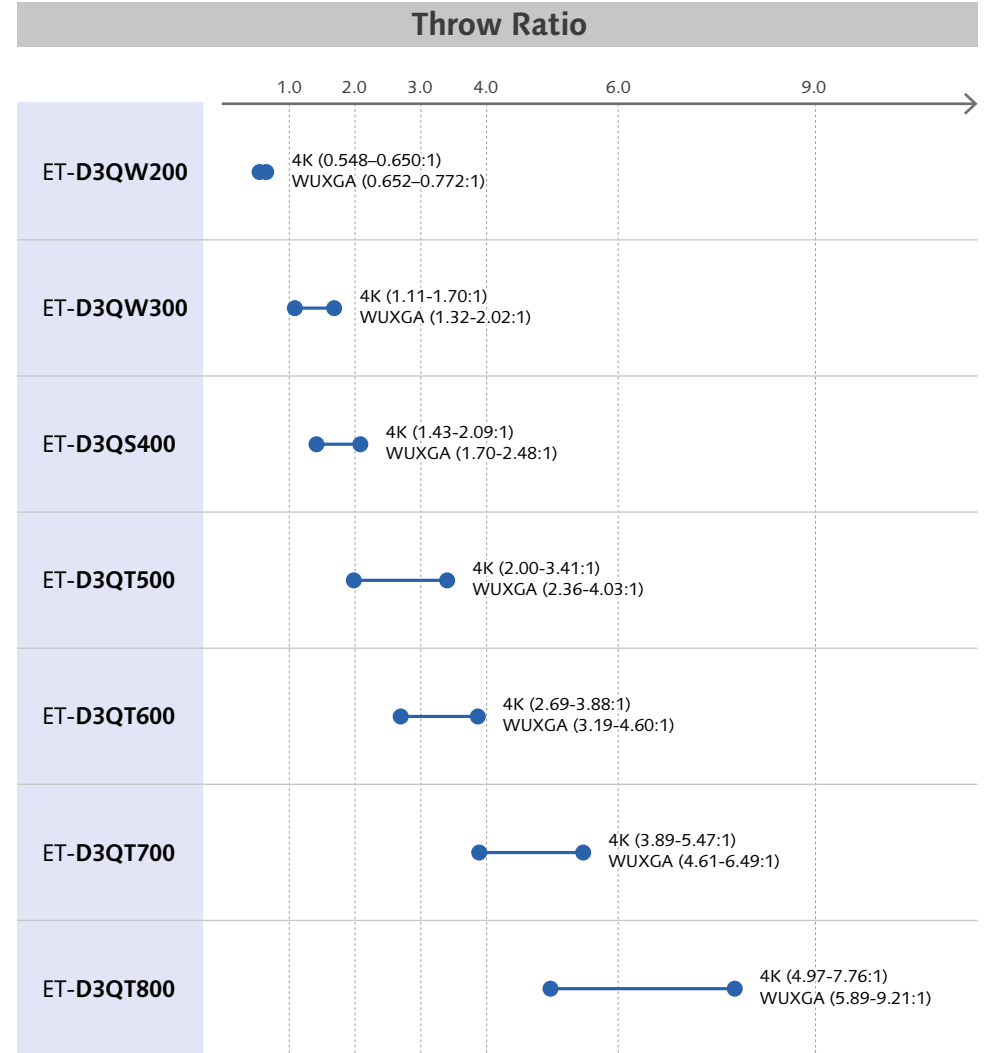
# Optional Lenses for the PT-RQ50K Projector (Large-Venue)

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

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D3QW200	ET-D3QW300	ET-D3QS400	ET-D3QT500
				
F-number	2.5	2.5	2.5	2.5
Focal length	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
			
F-number	2.5	2.5	2.5
Focal length	85.0-121.6 mm	122.8-172.3 mm	156.5-243.1 mm
Weight	Approx. 6.4 kg/14.1 lbs	Approx. 7.3 kg/16.1 lbs	Approx. 8.0 kg/17.6 lbs

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](https://panasonic.net/cns/projector/download/#calculator)



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

# Optional Lenses for 3-Chip DLP™ Projector<sup>1</sup> (Large-Venue)

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](http://panasonic.net/cns/projector/download/#calculator)



ID: Featuring Auto Lens Identification Function<sup>2</sup> M: Stepping Motor for zoom in addition to focus.

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Fixed-focus lens	Fixed-focus lens	Zoom lens
Model number	ET-D75LE95	ET-D3LEU100	ET-D3LEW200	ET-D3LEW300	ET-D3LEW50 <sup>3</sup>	ET-D3LEW60
F-number	2.5	2.5	2.5	2.5	2.5	2.5
Focal length	7.5 mm	8.0 mm	13.8-18.1 mm	16.4-19.6 mm	14.8 mm	19.6-23.5 mm
Weight	Approx. 6.5 kg/14.3 lbs	Approx. 8.0 kg/17.6 lbs	Approx. 9.0 kg/19.8 lbs	Approx. 8.0 kg/17.6 lbs	Approx. 7.1 kg/15.7 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-D75LE6	ET-D3LEW10	ET-D75LE10	ET-D3LES20	ET-D75LE20	ET-D3LET30
F-number	2.5	2.5	2.5	2.5	2.5	2.5
Focal length	19.6-23.5 mm	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
Weight	Approx. 8.7 kg/19.2 lbs	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

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D75LE30	ET-D3LET40	ET-D75LE40	ET-D3LET80	ET-D75LE8
F-number	2.5	2.5	2.5	2.5-2.7	2.5-2.7
Focal length	50.5-97.9 mm	96.6-154.9 mm	96.6-154.1 mm	154.1-288.8 mm	154.1-288.8 mm
Weight	Approx. 5.2 kg/11.5 lbs	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



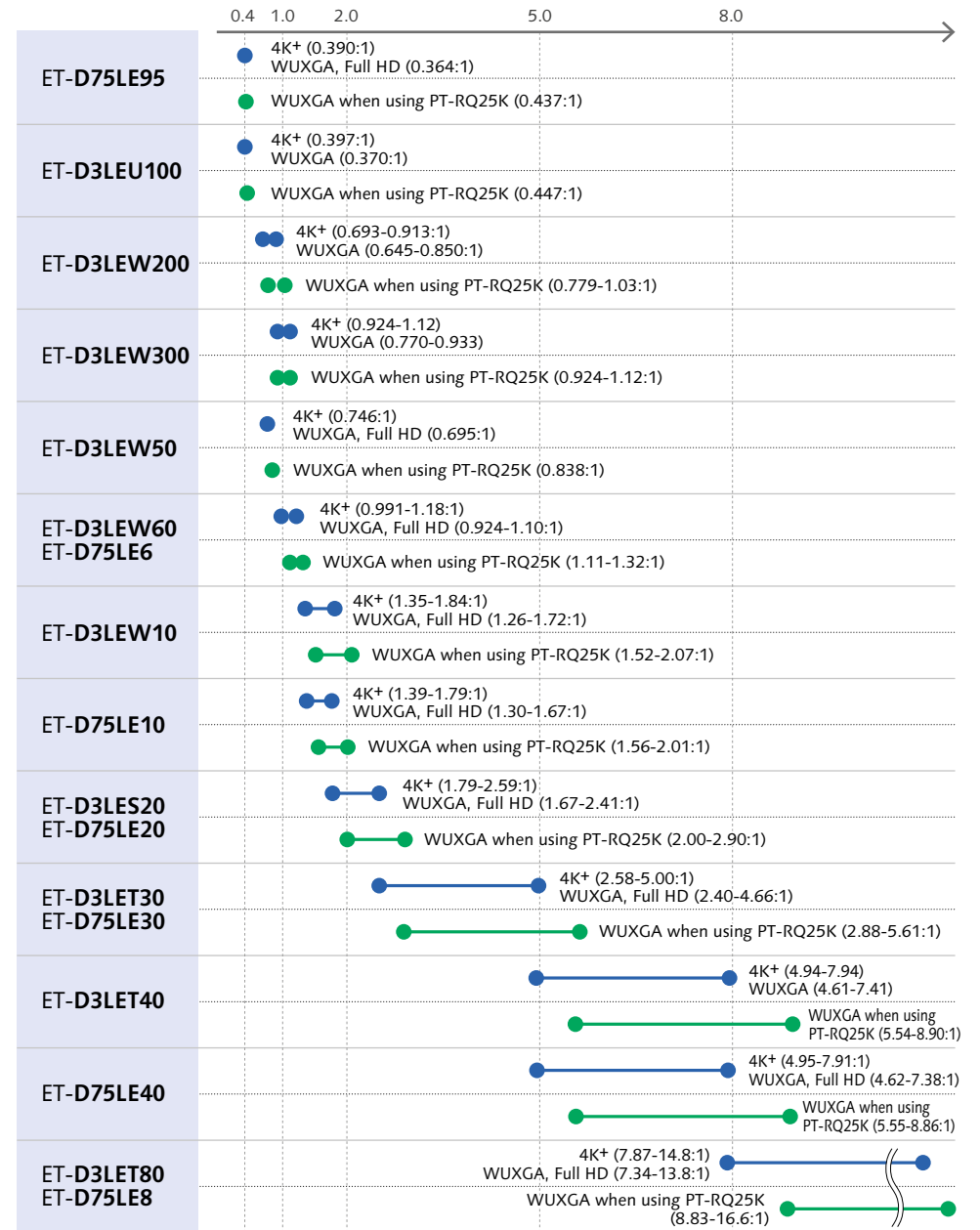
## Optional Lenses Compatibility Chart

	ET-D75LE95	ET-D3LEU100	ET-D3LEW200	ET-D3LEW300	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-RQ25K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ24K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ18K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ17K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

ET-PLF20	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
ET-PLF10	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## Throw Ratio



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

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

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](https://panasonic.net/cns/projector/download/#calculator)



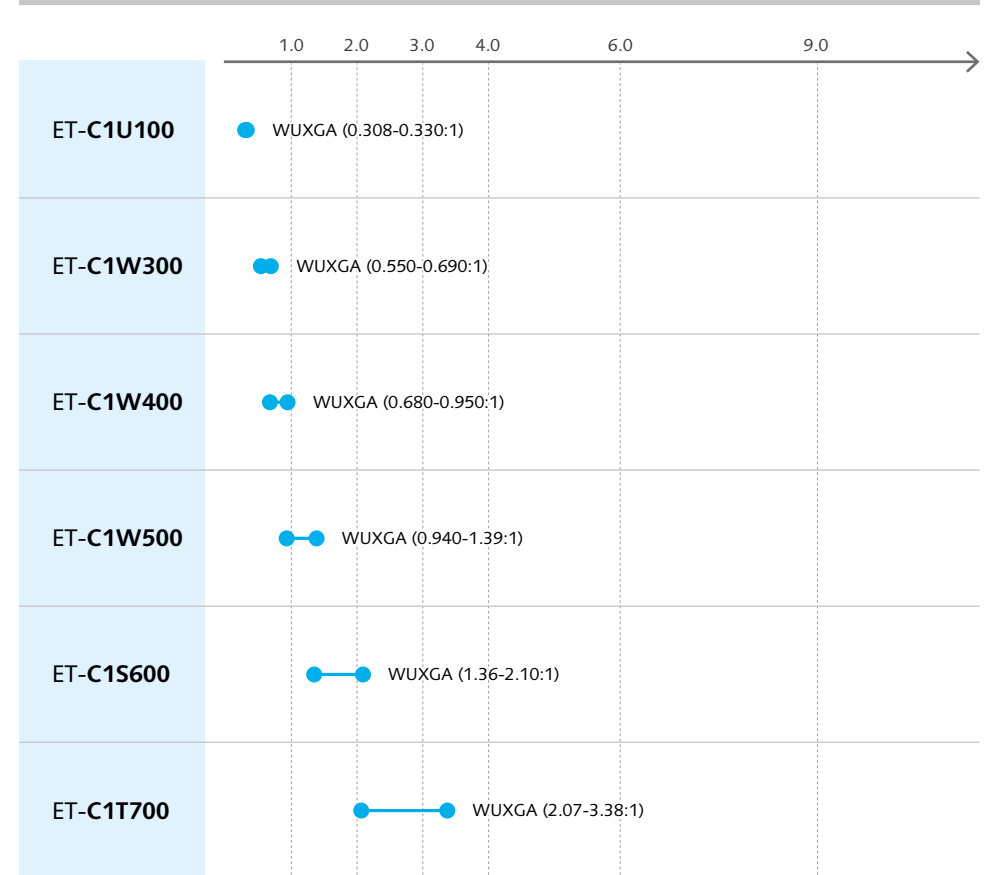
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	<b>ET-C1U100</b>	<b>ET-C1W300</b>	<b>ET-C1W400</b>	<b>ET-C1W500</b>
	 <b>NEW</b>	 <b>NEW</b>	 <b>NEW</b>	 <b>NEW</b>
F-number	2.2	1.9-2.3	1.9-2.4	1.8-2.3
Focal length	5.4-5.8 mm	9.9-12.3 mm	12.1-16.9 mm	16.7-24.6 mm
Weight	Approx. 4.7 kg/10.36 lbs	Approx. 2.6 kg/5.73 lbs	Approx. 2.4 kg/5.29 lbs	Approx. 2.4 kg/5.29 lbs

Lens type	Zoom lens	Zoom lens
Model number	<b>ET-C1S600</b>	<b>ET-C1T700</b>
	 <b>NEW</b>	 <b>NEW</b>
F-number	1.8-2.3	1.9-2.4
Focal length	23.9-37.2 mm	36.1-59.6 mm
Weight	Approx. 1.7 kg/3.75 lbs	Approx. 2.4 kg/5.29 lbs

### Optional Lenses Compatibility Chart

	ET-C1U100	ET-C1W300	ET-C1W400	ET-C1W500	ET-C1S600	ET-C1T700
PT-REQ12	✓	✓	✓	✓	✓	✓
PT-REQ10	✓	✓	✓	✓	✓	✓
PT-REQ80	✓	✓	✓	✓	✓	✓
PT-REZ12	✓	✓	✓	✓	✓	✓
PT-REZ10	✓	✓	✓	✓	✓	✓
PT-REZ80	✓	✓	✓	✓	✓	✓

### Throw Ratio



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

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](http://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-number	2.0	2.0	1.8	1.9-2.3
Focal length	4.1-4.4 mm	5.3 mm	11.9 mm	9.2-12.1 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

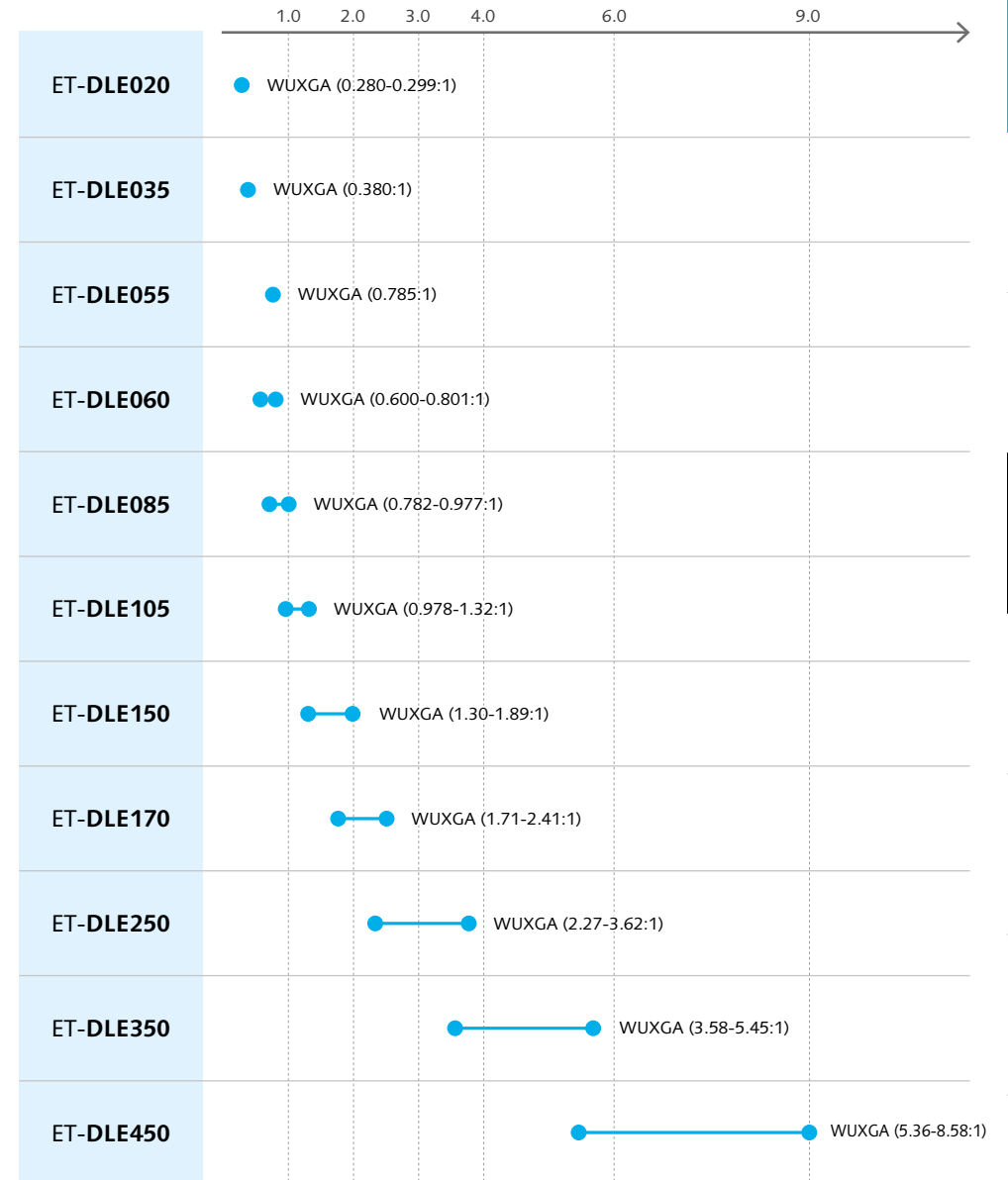
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens (supplied lens) <sup>1</sup>
Model number	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170
F-number	1.9-2.2	1.9-2.4	1.8-2.4	1.7-1.9
Focal length	11.8-14.6 mm	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm
Weight	Approx. 1.3 kg/2.9 lbs	Approx. 1.2 kg/2.6 lbs	Approx. 1.1 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-number	1.8-2.4	1.8-2.2	1.8-2.4
Focal length	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-RZ790	✓ <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ690	✓ <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## Throw Ratio





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-MZ20K Series Projector (Installation)

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](https://panasonic.net/cns/projector/download/#calculator)



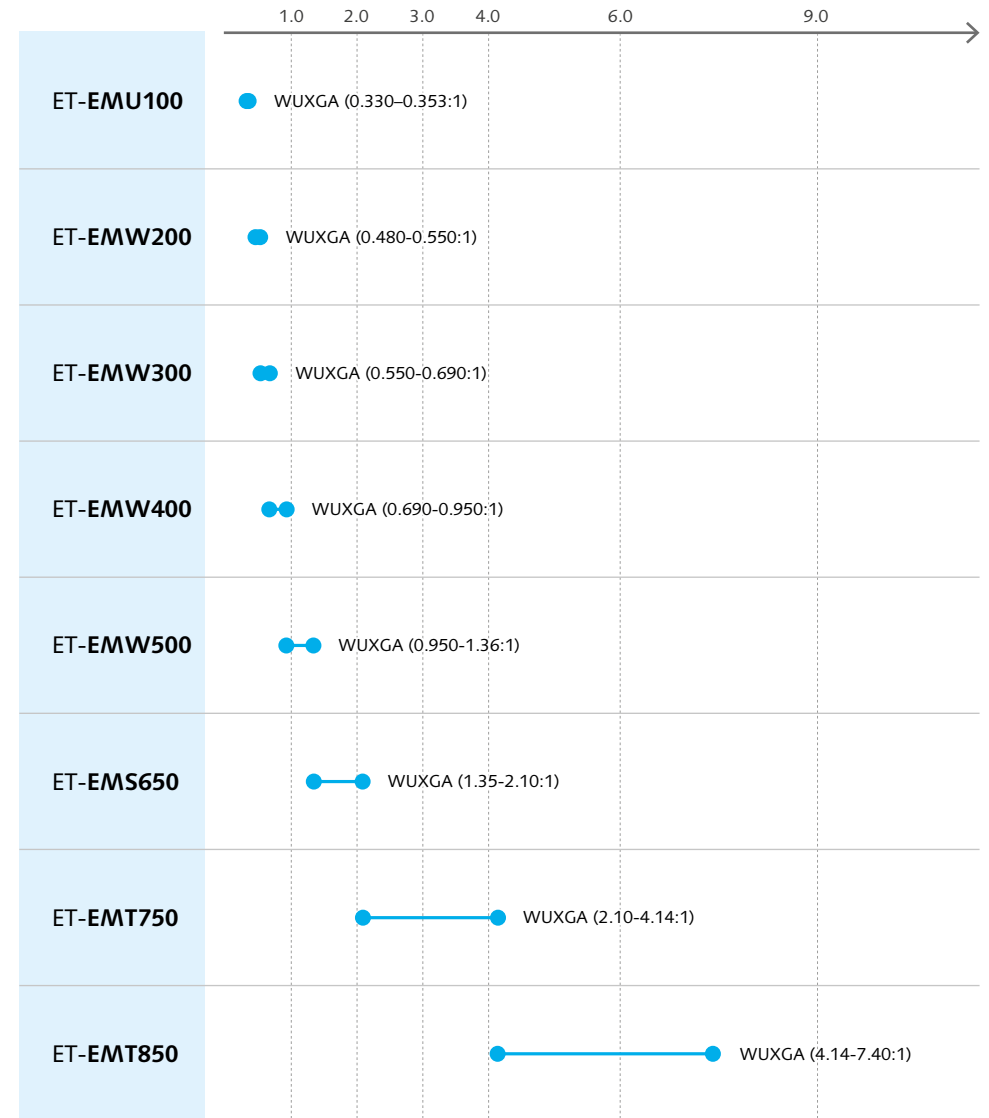
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-EMU100	ET-EMW200	ET-EMW300	ET-EMW400
				
<b>F-number</b>	1.9	1.8-2.1	1.8-2.2	1.8-2.2
<b>Focal length</b>	7.2-7.7 mm	10.8-12.5 mm	12.3-15.4 mm	15.3-21.1 mm
<b>Weight</b>	Approx. 7.2 kg/15.87 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.05 kg/11.13 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-EMW500	ET-EMS650	ET-EMT750	ET-EMT850
				
<b>F-number</b>	1.8-2.4	1.8-2.2	1.8-2.5	1.9-2.4
<b>Focal length</b>	21.1-30.0 mm	29.9-46.3 mm	46.0-90.5 mm	90.3-162.6 mm
<b>Weight</b>	Approx. 5.15 kg/11.35 lbs	Approx. 3.71 kg/8.18 lbs	Approx. 4.59 kg/10.12 lbs	Approx. 4.45 kg/9.81 lbs

## Optional Lenses Compatibility Chart

	ET-EMU100	ET-EMW200	ET-EMW300	ET-EMW400	ET-EMW500	ET-EMS650	ET-EMT750	ET-EMT850
PT-MZ20K	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ17K	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ14K	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ11K	✓	✓	✓	✓	✓	✓	✓	✓

## Throw Ratio



# Optional Lenses for LCD Projector<sup>1</sup> (Installation)

The Throw Distance Calculator should help you out. Please try it.  
 >>> [panasonic.net/cns/projector/download/#calculator](http://panasonic.net/cns/projector/download/#calculator)



Lens type	Zoom lens	Fixed-focus lens	Zoom lens	Zoom lens
Model number	ET-ELU20	ET-ELW21	ET-ELW22	ET-ELW20
F-number	2.0	2.0	2.0-2.4	1.8-2.3
Focal length	5.4-5.8 mm	13.1 mm	13.3-16.6 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

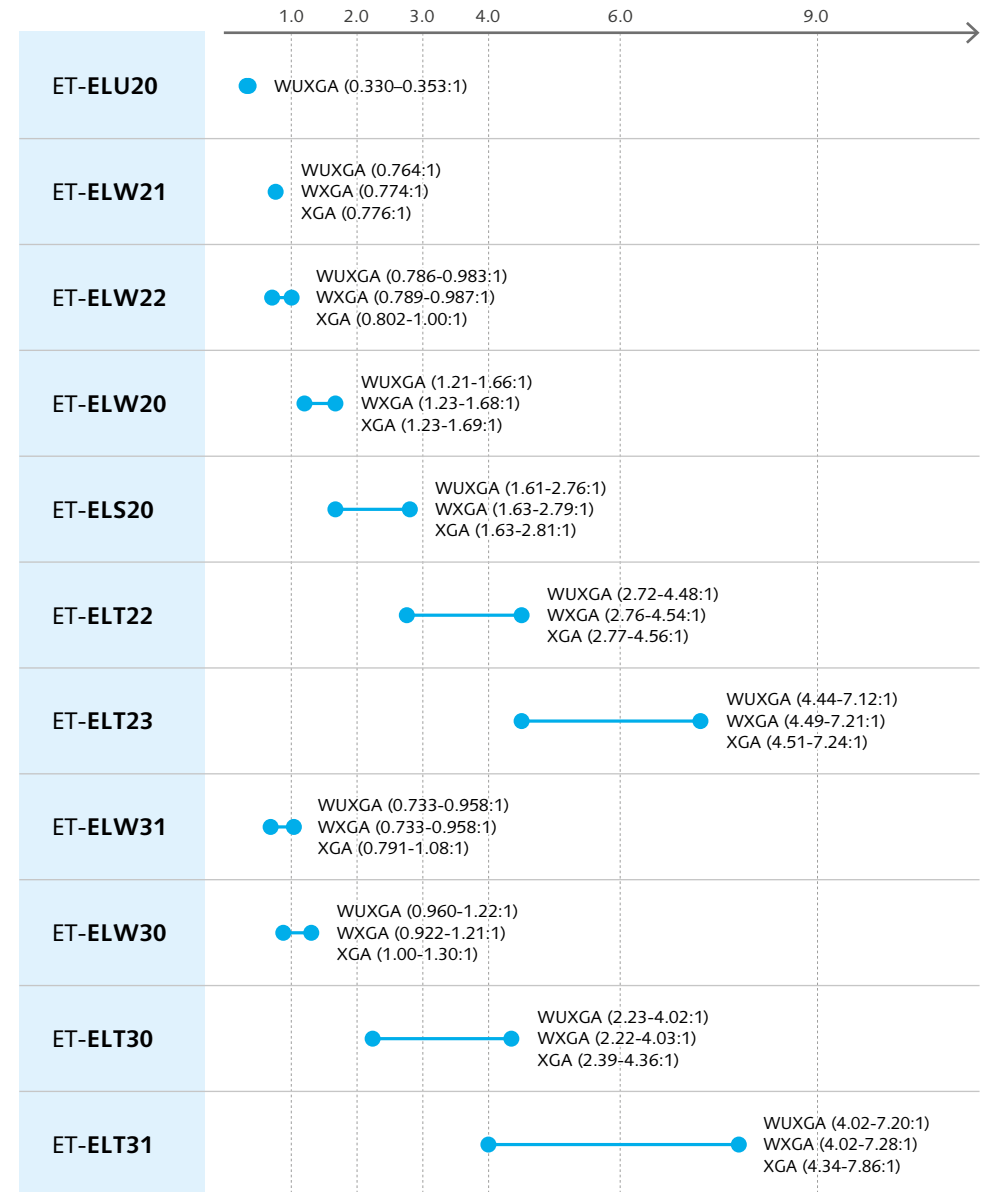
Lens type	Zoom lens (supplied lens) <sup>2</sup>	Zoom lens	Zoom lens
Model number	ET-ELS20	ET-ELT22	ET-ELT23
F-number	1.7-2.3	1.8-2.3	1.8-2.3
Focal length	26.9-45.4 mm	45.6-73.8 mm	74.8-118.2 mm
Weight	Approx. 0.9 kg/2.0 lbs	Approx. 1.18 kg/2.6 lbs	Approx. 1.20 kg/2.6 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-ELW31	ET-ELW30	ET-ELT30	ET-ELT31
F-number	1.7-2.0	1.7-2.0	1.7-2.2	1.7-2.3
Focal length	10.5-13.6 mm	13.1-17.0 mm	31.3-56.8 mm	56.4-101.7 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: Except for the PT-MZ20K Series.

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-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K	PT-REQ12	PT-REQ10	PT-REQ80	PT-REZ12	PT-REZ10	PT-REZ80	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55
<b>Picture Quality</b>																				
Detail Clarity Processor	5+	5+	5	5+	5	5+	5	4	4	4	4	4	4	3	3	4	4	3	3	3
System Daylight View	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Daylight View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Basic	Basic	Basic
3D Ready	-	-	✓	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	✓	✓	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Dynamic Contrast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dynamic Contrast NX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rich Color Harmonizer	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-
Rich Color Enhancer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓
Pure White Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240Hz content playback	-	✓	-	✓ <sup>3</sup>	-	✓ <sup>3</sup>	-	✓	✓	✓	-	-	-	-	-	✓	✓	-	-	-
<b>Reliability</b>																				
24/7 operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Backup Input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Filter-Less	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Installation</b>																				
Geometric Adjustment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Free Grid	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Edge Blending/Color Matching	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Multi-Unit Brightness and Color Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contrast Sync and Shutter Sync	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Function</b>																				
Mechanical Shutter	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	✓	✓ <sup>2</sup>	✓ <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Function	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	-	-	✓ <sup>1</sup>	✓ <sup>1</sup>	-	-	-
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-in-P	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Software</b>																				
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Smart Projector Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Projector Network Setup Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ <sup>4</sup>	✓ <sup>4</sup>	✓ <sup>4</sup>

1: To operate wireless function, the optional Wireless Module is required.

2: Firmware will be available from February 2021. 3: It is not supported for ET-SWR10 Real-Time Tracking Projection-Mapping System.

4: Projector Network Setup Software can be set when the main version of the firmware is 1.04 or higher.

Features	PT-MZ20KL	PT-MZ17KL	PT-MZ14KL	PT-MZ11KL	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	
<b>Picture Quality</b>																			
Detail Clarity Processor	4	4	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daylight View	-	-	-	-	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic
3D Ready	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dynamic Contrast	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Dynamic Contrast NX	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rich Color Harmonizer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rich Color Enhancer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pure White Generator	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240Hz content playback	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Reliability</b>																			
24/7 operation	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Backup Input	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Filter-Less	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Installation</b>																			
Geometric Adjustment	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Free Grid	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Edge Blending/Color Matching	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Contrast Sync and Shutter Sync	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Function</b>																			
Mechanical Shutter	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	-	✓	✓	-	-	-	-
Data Cloning Function	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Function	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	-	-	-	-	-	-	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-in-P	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-
Emulation	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Software</b>																			
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Smart Projector Control	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Projector Network Setup Software	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-

1: To operate wireless function, the optional Wireless Module is required.

# Features (Portable, Short Throw/ Ultra Short Throw)

Features	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420	PT-VZ585N	PT-VZ580	PT-VX615N	PT-VX610	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TMZ400	PT-TMW380	PT-TMX380	PT-TW381R	PT-TW380	PT-TX440	PT-TX350	PT-CMZ50			
<b>Picture Quality</b>																																	
Detail Clarity Processor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	
System Daylight View	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	
Daylight View	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Basic	Lite	Lite	Lite	Lite	Lite	Lite	Basic	Basic	Basic	Lite	Lite	Lite	Lite	Lite	-		
3D Ready	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
HDR compatible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Dynamic Contrast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	✓	
Dynamic Contrast NX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rich Color Harmonizer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Rich Color Enhancer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pure White Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
240Hz content playback	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Reliability</b>																																	
24/7 operation	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Backup Input	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Filter-Less	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Installation</b>																																	
Geometric Adjustment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Free Grid	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Edge Blending/Color Matching	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	✓
Contrast Sync and Shutter Sync	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Function</b>																																	
Mechanical Shutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL LINK	✓	✓	✓	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Wireless Function	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓	-	✓	-	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	✓ <sup>1</sup>	
Mirroring Function	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P-in-P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emulation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	✓	
<b>Software</b>																																	
Geometry Manager Pro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smart Projector Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Projector Network Setup Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	✓

1: To operate wireless function, the optional Wireless Module is required.

2: PT-CMZ50 has a Grid Adjustment function similar to Free Grid, but these functions are different. Please refer to the operating manual.

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

Model Type	Model Number	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K
<b>Ceiling mount bracket</b>								
High ceiling mount bracket	ET-PKD520H	-	-	-	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD520S	-	-	-	✓	✓	✓	✓
Projector mount bracket	ET-PKD521B	-	-	-	✓	✓	✓	✓
Frame	ET-PFD510 <sup>1</sup>	-	-	-	-	-	-	-
<b>Replacement filter unit</b>								
Replacement filter unit	ET-EMF330	-	-	-	-	-	-	-
Smoke cut filter	ET-SFR330 <sup>2</sup>	-	-	-	-	-	-	-
<b>Wireless module</b>								
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	✓
<b>Peripheral</b>								
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓
<b>Software</b>								
Early Warning Software	ET-SWA100 Series <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P <sup>4</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>
<b>Interface board (SLOT NX)</b>								
DVI-D input signal board	ET-MDNDV10	✓	✓	✓	-	-	-	-
HDMI input signal board	ET-MDNHM10	✓	✓	✓	-	-	-	-
12G-SDI signal board	ET-MDN12G10	✓	✓	✓	-	-	-	-
3G-SDI input signal board	TY-TBN03G	-	✓	✓	-	-	-	-
12G-SDI optical board	ET-MDNFB10	✓	✓	✓	-	-	-	-
DisplayPort input signal board	ET-MDNDP10	✓	✓	✓	-	-	-	-
<b>Interface board (Intel® SDM)</b>								
12G-SDI Terminal Board	TY-SB01QS	-	-	-	✓	✓	✓	✓
DIGITAL LINK Terminal Board	TY-SB01DL	-	-	-	✓	✓	✓	✓
Wireless Presentation System Receiver Board	TY-SB01WP	-	-	-	✓	✓	✓	✓

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 pre-activated, no need for activation.

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

Model Type	Model Number	PT-REQ12	PT-REQ10	PT-REQ80	PT-REZ12	PT-REZ10	PT-REZ80	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55	
<b>Ceiling mount bracket</b>															
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H <sup>1</sup>	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
Bracket assembly	ET-PKD130B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Wireless module</b>															
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	-	-	✓	✓	-	-	-	
<b>Peripheral</b>															
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	
<b>Software</b>															
Early Warning Software	ET-SWA100 Series <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Geometry Manager Pro Upgrade Kit	ET-UK20	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P <sup>3</sup>	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
<b>Interface board (SLOT NX)</b>															
DVI-D input signal board	ET-MDNDV10	-	-	-	-	-	-	-	-	-	-	-	-	-	
HDMI input signal board	ET-MDNHM10	-	-	-	-	-	-	-	-	-	-	-	-	-	
12G-SDI signal board	ET-MDN12G10	-	-	-	-	-	-	-	-	-	-	-	-	-	
12G-SDI optical board	ET-MDNFB10	-	-	-	-	-	-	-	-	-	-	-	-	-	
DisplayPort input signal board	ET-MDNDP10	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Interface board (Intel® SDM)</b>															
12G-SDI Terminal Board	TY-SB01QS	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	
DIGITAL LINK Terminal Board	TY-SB01DL	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	
Wireless Presentation System Receiver Board	TY-SB01WP	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	

1: Recommended when used with the ET-DLE035.

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

3: The availability varies depending on the country.

4: Features are pre-activated, no need for activation.

# Optional Accessories for LCD Projector (Installation)

Model Type	Model Number	PT-MZ20K	PT-MZ17K	PT-MZ14K	PT-MZ11K	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	
<b>Replacement lamp unit</b>																				
400 W UHM lamp x 1	ET-LAE300	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	
320 W UHM lamp x 1	ET-LAEF100	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Ceiling mount bracket</b>																				
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H <sup>1</sup>	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Bracket assembly	ET-PKE301B	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
Bracket assembly	ET-PKE300B	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Replacement filter unit</b>																				
Replacement filter unit	ET-RFE300	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	
Replacement filter unit	ET-RFF200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	
Replacement filter unit	ET-RFM100	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	
<b>Wireless module</b>																				
Wireless module	ET-WML100 <sup>2</sup>	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
Wireless module	AJ-WM50	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Peripheral</b>																				
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓	
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓	
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Software</b>																				
Early Warning Software	ET-SWA100 Series <sup>4</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Geometry Manager Pro Upgrade Kit	ET-UK20	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P <sup>3</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	✓ <sup>5</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

1: Recommended when used with the ET-EMU100.

2: Stock limited.

3: The availability varies depending on the country.

4: The suffix of the model number differs according to the license type.

5: Features are pre-activated, no need for activation.

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

Model Type	Model Number	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420	PT-VZ585N	PT-VZ580	PT-VX615N	PT-VX610	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TMZ400	PT-TMW380	PT-TMX380	PT-TW381R	PT-TW380	PT-TX440	PT-TX350	PT-CMZ50
<b>Replacement lamp unit</b>																															
270 W UHM lamp x 1	ET-LAV400	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAV300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAL510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	-
<b>Mount/bracket</b>																															
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
High ceiling mount bracket	ET-PKD120H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Low ceiling mount bracket	ET-PKD120S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
High ceiling mount bracket	ET-PKL100H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Low ceiling mount bracket	ET-PKL100S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
Wall mount bracket	ET-WBC100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Bracket assembly	ET-PKL430B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-
Bracket assembly	ET-PKL420B	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-
Bracket assembly	ET-PKV400B	✓	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bracket assembly	ET-PKE301B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
<b>Replacement filter unit</b>																															
Replacement filter unit	ET-RFV500	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Replacement filter unit	ET-RFV410	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFL400	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-
Replacement filter unit	ET-RFL300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-
<b>Wireless module</b>																															
Wireless module	ET-WML100 <sup>1</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	-
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
Easy wireless stick	ET-UW100	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Peripheral</b>																															
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓
<b>Software</b>																															
Early Warning Software	ET-SWA100 Series <sup>2</sup>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓

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

Large-Venue

Installation

Portable

Short Throw/  
Ultra Short Throw

Lenses

Features

Options

PressIT

Software/Apps

# Optional Frames (Mechanical Solutions for Projectors)

## ET-RFD series

### Main Features:

- Convertible design highlight\*
- Full stacking compatibility to previous frame models in the same size
- Built-in galvanic insulation
- DGUV-17 verified

\*except P31H / P31H-US



## Optional Frames Panasonic projectors

EU MARKET	ET-RFD40	ET-RFD50	ET-RFD65	ET-RFD60	ET-RFD70	ET-RFD70H	ET-RFD80
Dimensions [W + H + D] [mm]	650,5 x 353,5 x 683	768,5 x 373 x 678	778 x 388,5 x 721,4	750 x 435 x 883	750 x 540 x 883	749 x 540 x 894	897 x 639,45 x 1224
Weight [kg] (frame)	13.5	14.5	15.5	16	17.5	18.5	37,6
Maximum projector weight [kg] incl. lens	35	35	50	70	80	80	350
Possible orientation	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down	Landscape, Portrait, Vertical down
Maximum Stacking	Ceiling mount: 3 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 3	Ceiling mount: 3 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 3	Ceiling mount: 3 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 3	Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 2	Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 4	Ceiling mount: 2 (with ET-LINK200/201 or ET-LINK210/211) Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Table mount: 3	Ceiling mount: 1 (with ET-LINK200/201 or ET-LINK210/211) Floor: 3
Compatibility selection, more on request	PT-REQ12 series/ PT-REZ12 series/ PT- RZ690/ PT-RZ790/ PT-RZ990/ PT- RZ120	PT-MZ20/ PT-MZ17/ PT-MZ14/ PT-MZ11	PT-RQ25K/ PT-RQ18K/ PT- RZ24K/ PT-RZ17K	PT-RZ12/ PT-RZ21/ PT- RS20/ PT-RQ22/ PT-RQ13K	PT-RQ35K/ PT-RZ34K	PT-RQ35K/ PT-RZ34K	PT-RQ50

## Mounting Solutions Projectors

### ET-RFD70 vs ET-RFD70H ( for RQ35K series )



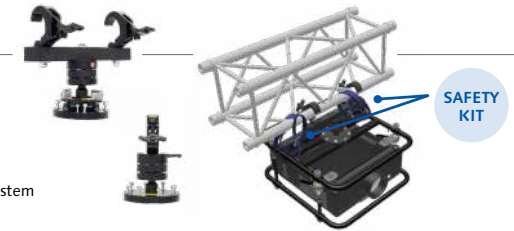
ET-RFD70	ET-RFD70H
<ul style="list-style-type: none"> <li>• Flexible and lightweight</li> <li>• Stacking of up to 2 projectors</li> <li>• 30mm pipes</li> <li>• Convertible design</li> <li>• Stacking compatibility to P31H</li> <li>• Extensive adjustment possibilities</li> <li>• Compatibel with the EVO-LINK series</li> <li>• DGUV 17 verified</li> </ul>	<ul style="list-style-type: none"> <li>• An extremely stable and robust frame</li> <li>• Specially designed for the stacking of up to 4 projectors (more on request)</li> <li>• 40mm pipes</li> <li>• No convertible design</li> <li>• Stacking compatibility to P30</li> <li>• Slightly reduced adjustment possibilities</li> <li>• Compatibel with the EVO-LINK series</li> <li>• DGUV 17 verified</li> </ul>

## Mechanical Solutions for Projectors

### ET LINK Series

#### The perfect accessory for the FRAMES

- Strong, light and reliable
- Easy to use
- Large adjustment range thanks to ball joint
- Optionally available with fine adjustment system
- Black coating
- DGUV-V17 / V18 verified



### ET-LINK Series

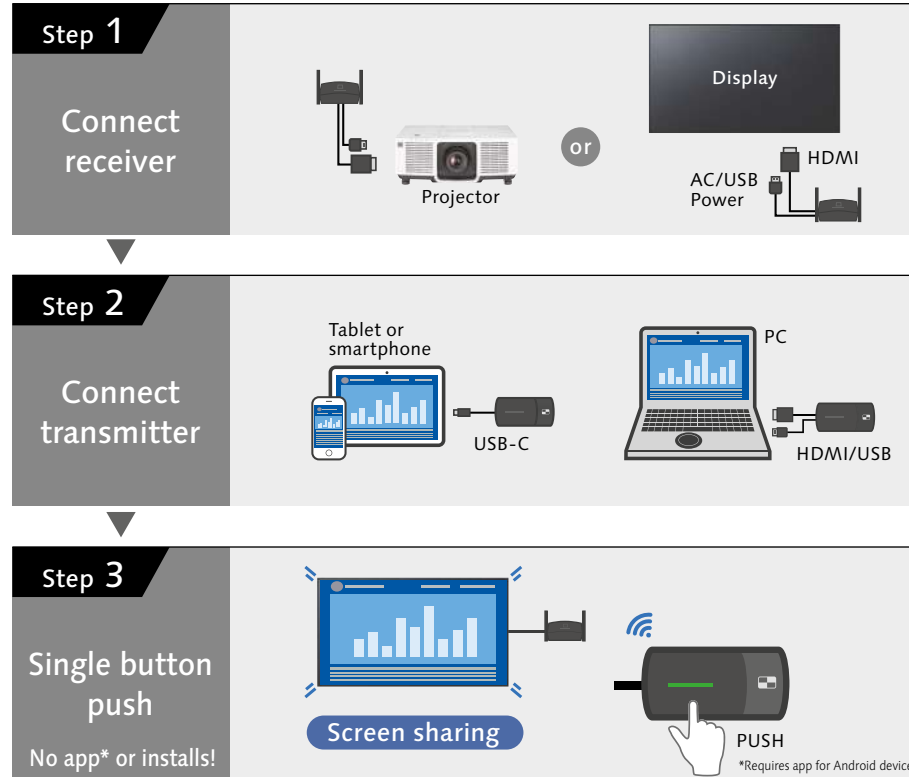
DESCRIPTION	with selflock hook	with selflock hook and fine adjustment	with crossbeam and two selflock hooks	with crossbeam, two selflock hooks and fine adjust
PANASONIC ART. NR. EU	ET-LINK200	ET-LINK201	ET-LINK210	ET-LINK211
MAX WEIGHT LOAD - with safety wire	200kg	200kg	200kg	200kg



# 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



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



**Presents 4 screens in Full HD**  
[supports 4K]



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

**Low latency image**

**Connects up to 32 transmitters at once**

**Lock mode prevents interrupts**

**HDMI-CEC command compatible**

**Supports audio transmission**

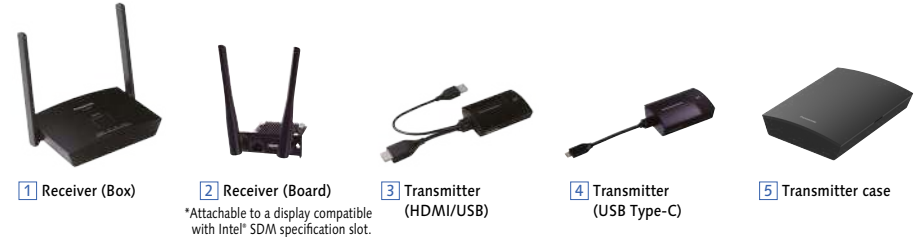
**Share screen without transmitter<sup>1</sup>**

**Shared from one transmitter to multiple receivers<sup>1</sup>**

<sup>1</sup> Firmware update is required. For details, please contact your dealer

# PressIT

## Lineup



	Basic Set		Receiver (Box)	Receiver (Board)	Transmitter (HDMI)		Transmitter (USB Type-C)	
Model	TY-WPS1	TY-WPSC1	TY-WPR1	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 Transmitter case x1	1 Receiver (Box) x1 4 Transmitter (USB Type-C) x2 5 Transmitter case x1	1 Receiver (Box) 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) <sup>1</sup>	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	10/100/1000 (Mbps)		-	
	Wired	Max. 867 Mbps	Max. 433 Mbps	
Wireless				
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/WPA3 (WPA3-Enterprise is not supported)			
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 (male)/ USB-A (female)	USB-C (male)/ USB-A (female)
Power	DC 5 V/2 A	12 V/0.9 A (Display Power supply)	DC 5 V/0.9 A	
Power consumption	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

<sup>1</sup>: 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>



# 360 degree camera speakerphone

## PressIT360

Providing a more realistic feeling with the 360-degree camera speakerphone



360 degree camera speakerphone  
TY-CSP1

Camera	Viewing angle: 360 degrees Field of view: 360 (H) x 60 (V)
Microphone	7
Speaker	1.5 W (When supplying power from USB Type-C) or 3 W (When AC adaptor is connected)
Dimensions	Diameter $\phi 64$ mm/2.52" (excluding the pedestal part) x Height 285 mm/11.23"

### Optimal Video and Audio Transmission

TY-CSP1 is a hybrid conference terminal that enables 360-degrees horizontal shooting using four cameras and features microphones and speaker that also cover a wide range of 360 degrees. It supports natural communication with people participating in web conferences with its clear sound collection and amplification.

### Simple Operation

For easy set-up and use, video, audio and power are shared to the PC via a single USB Type-C cable to save labor when preparing for a meeting. Volume and Video views can be controlled using the buttons arranged on the main unit pedestal. Operating status is instantly visible from the colored LED ring on the unit, it is possible to operate it intuitively.

### Installation and Portability

With a diameter of  $\phi 64$  mm (2.52 inches) that is easy to grip, it is possible to freely carry it around inside the office and easily carry out web conferences. Alternatively, it can be attached to a tripod or set securely fastened with security slots.

### 360° camera speakerphone optimized for the web conferencing system "Microsoft Teams"

PressIT360 is certified for "Microsoft Teams," a collaboration platform offered by Microsoft Corporation. The optimal image and sound quality that naturally conveys the atmosphere of the conference room will elevate communication during web conferencing.

### Equipped with various video modes



Dual View



Single View



Multi View



Surround View



Stable View

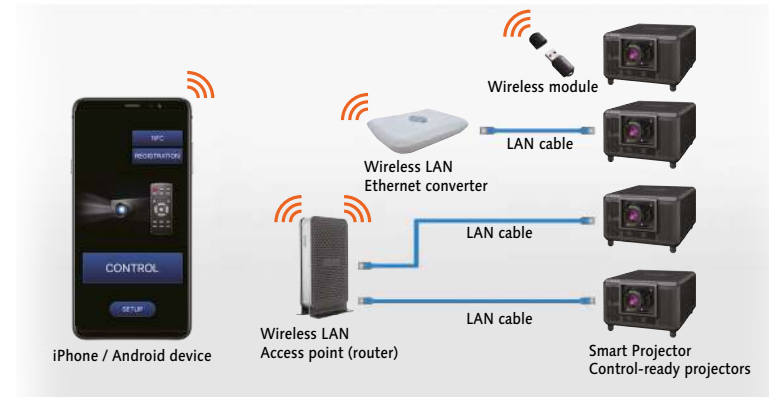
## Smart Projector Control

## 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.

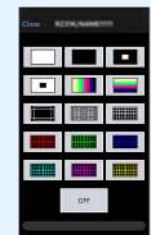


### What you can do with Smart Projector Control

- 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.



For more information, please visit the website >>> [panasonic.net/cns/projector/download/application/smartpj/](http://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)<sup>1</sup>

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-RQ25K	PT-RZ24K	PT-RQ18K	PT-RQ17K	PT-RZ14K	PT-REQ12	PT-REQ10	PT-REQ80	PT-REQ12	PT-REQ10	PT-REQ80
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes	Yes	Yes	Yes	Yes
ET-CUK10/CUK10P <sup>1</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes	Yes	Yes	Yes	Yes	Yes

	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-MZ20K	PT-MZ17K	PT-MZ14K	PT-MZ11K	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	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	No	No	No
ET-CUK10/CUK10P <sup>1</sup>	Yes	Yes	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	No	No	No

1: A firmware update is required to use these functions. Availability varies depending on the country. For more information, please contact the sales company in your region.  
2: Features are pre-activated, no need for activation.



For downloading/activating the software and optional upgrade kits

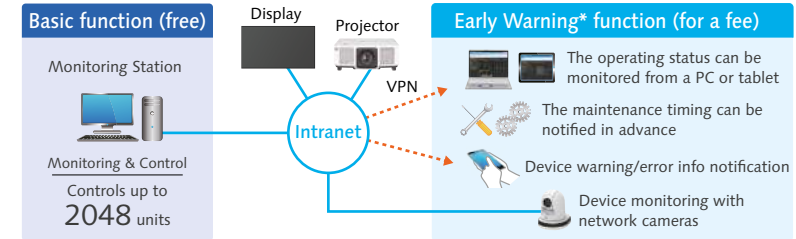
### PASS (Projector & Professional Display Asset Support System)

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

# 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.



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

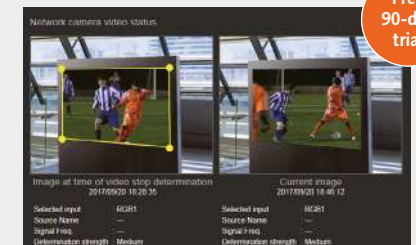
### Early Warning Function (ET-SWA100)

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

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

#### Video Stop Detection Using a Network Camera

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

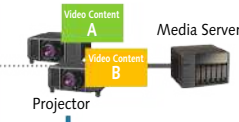


The captured image when an abnormality happens is stored

Free 90-day trial

### Remote Preview Function

#### Preview content remotely



Wired LAN / Wireless LAN  
Note: wireless LAN requires AJ-WM50 Series Wireless Module.

#### Preview the projection on a remote PC



#### 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<sup>®</sup> 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.

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/](http://panasonic.net/cns/projector/pass/)

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

### Entertainment

#### Pavilion Bukit Jalil "Dome of Wonders" (Malaysia)

Immersive dome projection is a first for the Malaysian retail market, delighting visitors to pavilion Bukit Jalil



#### Why Choose Panasonic Projectors?

- The 3DLP technology that projects colors evenly on the dome
- Panasonic projectors are small and light enough for the confined installation image.

#### Challenge

Create an enthralling spatial media show at a popular Malaysian shopping mall using high-brightness projection mapping inside a large atrium dome.

#### Solution

Engage technology partner Panasonic to collaborate with design studio and installers to deliver an immersive mapping solution powered by PT-RZ34K 3-Chip DLP™ laser projectors.

#### Equipment Installed



3-Chip DLP™ projector  
**PT-RZ34K (x4)**



Zoom lens  
**ET-D3LEW60 (x4)**

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



### Exhibition

#### Ukiyoe Motion Exhibition NAGOYA (Japan)

The wonders of Ukiyo-e, delivered in bright, vivid colors at 20,000 lm on AC 100V



#### Why Choose Panasonic Projectors?

- Panasonic projectors have been used for various projection mapping projects and are reliable and easy to use.
- PT-MZ20K projectors can achieve a brightness of 20,000 lm on 100 V instead of 200 V.

#### Challenge

To share the beauty of Japanese Ukiyo-e with the world, we needed bright projection in a venue with limited electrical capacity.

#### Solution

MZ20K series projectors can deliver a brightness of 20,000 lm on AC 100 V. By achieving high brightness while lowering power consumption, they are well suited to venues with limited electrical capacity.

#### Equipment Installed



LCD projector  
**PT-MZ20K (x14)**



LCD projector  
**PT-MZ16K (x8)**

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



### Corporate / Business

#### GOLFLAND CORPORATION (Japan)

Delivering the feel of playing on a real golf course with bright and vivid image quality



#### Why Choose Panasonic Projectors?

- Lightweight, compact, and displays bright colors.
- High brightness of 7,000 lm for brighter images than ever before.

#### Challenge

To create a space that delivers the thrills of playing on a real golf course with bright and vivid image quality, within the limitations of installation condition restrictions.

#### Solution

An LCD laser projector with high brightness of 7,000 lm in a lightweight, compact body was installed.

#### Equipment Installed



LCD projector  
**PT-VMZ71 (x1)**

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



### Museum

#### Chinggis Khan National Museum (Mongolia)

Bringing history to life with interactive projections



#### Why Choose Panasonic Projectors?

- The PT-RZ690 1DLP projector allows flexible installation and is compatible with various short-throw lenses.
- The ET-DLE020 ultra-short-throw zoom lenses deliver large images with zero screen offset from short distances.

#### Challenge

To preserve and share the cultural history of the Mongol Empire through a mix of traditional exhibition pieces, interactive storytelling, and immersive media-based experiences.

#### Solution

Synergize Panasonic 1-Chip DLP™ projection with interactive and AR technologies to create an immersive environment that allows guests to engage emotionally with the storytelling.

#### Equipment Installed



1-Chip DLP™ Projector  
**PT-RZ690 (x14)**



Zoom lens  
**ET-DLE020 (x11) and more**

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

