

Panasonic CONNECT



Melbourne Museum's Tyama, Australia



Casa Batlló, Spain



Grundfos, Denmark

PROJECTORS

Line-up Catalog January 2023



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



NEW

● **PT-RQ25K** >P4
20,000 lm



NEW

● **PT-RZ24K** >P4
20,000 lm



NEW

● **PT-RQ18K** >P5
16,000 lm



NEW

● **PT-RZ17K** >P5
16,000 lm



● **PT-RQ13K** >P6
10,000 lm



● **PT-RZ12K** >P6
12,000 lm

10,000 lm



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



● **PT-RZ120** >P8
12,000 lm

*HDMI/DIGITAL LINK input only.



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



● **PT-RZ990 Series** >P8
6,000-9,400 lm

*HDMI/DIGITAL LINK input only.



● **PT-FRZ55** >P12
5,000 lm



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

*HDMI/DIGITAL LINK input only.

5,000 lm

SOLID SHINE Series



NEW

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

*HDMI/DIGITAL LINK input only.

Note: PT-MZ20K (20,000 lm) available from CY2023 2Q.
Please refer to the website below for detailed specification.
<https://panasonic.net/cns/projector/products/mz20k/>



● **PT-MZ880 Series** >P14
6,000-8,000 lm

*HDMI/DIGITAL LINK input only.



● **PT-VMZ71 Series** >P21
5,200 - 7,000 lm

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



● **PT-LMZ460 Series** >P24
4,200-4,600 lm

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



● **PT-TMZ400 Series** >P31
3,800-4,000 lm

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



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



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



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



● **PT-VZ580 Series** >P26
5,000-5,500 lm



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























● **PT-TW381R Series** >P33
3,200-3,800 lm



● **PT-LB426 Series** >P28
3,100-4,100 lm

- Large-Venue
- Installation
- Portable
- Short Throw

Large-Venue

	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ25K	PT-RZ24K
					
	50,000 lm / 51,000 lm (Center) ⁷ Native 4K ⁶ * Lens sold separately.	30,500 lm / 32,000 lm (Center) ⁷ 4K ⁶ * Lens sold separately.	30,500 lm / 32,000 lm (Center) ⁷ WUXGA * Lens sold separately.	20,000 lm / 21,000 lm (Center) ⁷ 4K ¹³ * Lens sold separately.	20,000 lm / 21,000 lm (Center) ⁷ WUXGA * Lens sold separately.
	   	   	   	   	   
Projector type	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
DLP Chip					
Panel size	35.1 mm (1.38 in)	24.4 mm (0.96 in)	24.4 mm (0.96 in)	20.3 mm (0.8 in)	20.3 mm (0.8 in)
Aspect ratio	17:9	16:10	16:10	16:10	16:10
Number of pixels	8,847,360 (4,096 x 2,160) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diodes	Laser diodes	Laser diodes	Laser diodes	Laser diodes
Light output	50,000 lm / 51,000 lm (Center) ⁷	30,500 lm / 32,000 lm (Center) ⁷	30,500 lm / 32,000 lm (Center) ⁷	20,000 lm / 21,000 lm (Center) ⁷	20,000 lm / 21,000 lm (Center) ⁷
Time until light output declines to 50%¹	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
Resolution	Native 4K (4,096 x 2,160)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	20,000:1	20,000:1	20,000:1	25,000:1	25,000:1
Screen size (diagonal)	2.54-38.1 m (100-1,500 in)	1.78-25.4 m (70-1,000 in) ¹¹	1.78-25.4 m (70-1,000 in) ¹¹	1.78-25.4 m (70-1,000 in) ¹¹	1.78-25.4 m (70-1,000 in) ¹¹
Lens shift²	Vertical: ±45 % ⁸ Horizontal: ±16 % ⁸ (powered)	Vertical: ±55 % ¹² Horizontal: ±20 % ¹² (powered)	Vertical: ±55 % ¹² Horizontal: ±20 % ¹² (powered)	Vertical: ±66 % ¹⁴ Horizontal: ±24 % ¹⁴ (powered)	Vertical: ±66 % ¹⁴ Horizontal: ±24 % ¹⁴ (powered)
Filter Replacement Cycle	- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals	Multi Projector SYNC in [BNC x 1] Multi Projector SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))] USB [USB type-A x 1, for USB Memory Stick / Wireless Module (AJ-WM50) Slot 1 [Pre-installed with ET-MDN12G10] Slot 2 [Vacant for compatible SLOT NX boards (optional)]	HDMI in [HDMI 19-pin x 1] Multi Projector SYNC in [BNC x 1] Multi Projector SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA))] Slot 1/2 [Vacant for compatible input boards, SLOT NX compatible (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] 3D SYNC 1 in/out / Multi Projector Sync in [BNC x 1] 3D SYNC 2 out / Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA))] Slot 1 [Vacant for compatible SLOT NX boards (optional)]	HDMI in [HDMI 19-pin x 2] DisplayPort in [DP-20P x 1] DisplayPort out [DP-20P x 1] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [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] DisplayPort out [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 [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [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]
Power supply	100-240 V AC, 50/60 Hz ⁹	100-240 V AC, 50/60 Hz ⁹	100-240 V AC, 50/60 Hz ⁹	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz ¹⁵	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz ¹⁵
Maximum power consumption	4,100 W	2,550 W	2,450 W	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)
BTU value	Max. 13,560 BTU	Max. 8,713 BTU	Max. 8,371 BTU	Max. 5,091 BTU	Max. 5,023 BTU
Operation noise	52 dB	49 dB (Normal)/46 dB (Quiet)	49 dB (Normal)/46 dB (Quiet)	46 dB (NORMAL/QUIET), 43 dB (ECO)	46 dB (NORMAL/QUIET), 43 dB (ECO)
Dimensions (W x H³ x D⁴)	720 x 445 x 1070 mm (28-11/32 x 17-9/16 x 42-1/8 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	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)
Weight⁵	Approx. 126 kg/278 lbs	Approx. 69.8 kg/154 lbs	Approx. 68.6 kg/152 lbs	Approx. 35.0 kg/77.2 lbs	Approx. 35.0 kg/77.2 lbs
Optional accessories	ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDN12G10 (12G-SDI Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDNDV10 (DVI-D Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit) ¹⁰	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-SUK10 (High Frame Rate Upgrade Kit) ET-NUK10 (NFC Upgrade Kit) ¹⁰	ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-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) ¹⁰	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) 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) TY-SB01QS (12G-SDI Input Board) TY-SB01DL (DIGITAL LINK Terminal Board) TY-SB01WP (Wireless Presentation System Receiver Board)
Optional lens	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. 3: Height; with legs at shortest position. 4: Depth; protruding parts not included. 5: Average value. Each product has an individual variable in weight. 6: 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-D3Q7600.

9: Brightness restricted with voltage lower than 200 V. 10: Product availability may vary by country or region. To use NFC function, Smart Projector Control App is required. 11: 1.78-15.24 m (70-600 in) with the ET-D75LE8/D3LET80. 3.05-15.24 m (120-600 in) with the ET-D75LE95. 12: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60. 13: Resolution 3,840 x 2,400 pixels (Quad Pixel Drive; ON) 14: Vertical ±52 % and horizontal ±18 % with the ET-D75LE6/ET-D3LEW60. 15: The maximum light output is limited to approximately 15,000 lm. Under the following circumstances, maximum light output may be reduced.

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

Large-Venue

	PT-RQ18K NEW SOLID SHINE LASER	PT-RZ17K NEW SOLID SHINE LASER	PT-RQ13K SOLID SHINE LASER	PT-RZ12K SOLID SHINE LASER
				
	16,000 lm / 16,800 lm (Center) ⁶ 4K ⁷ * Lens sold separately.	16,000 lm / 16,800 lm (Center) ⁶ WUXGA * Lens sold separately.	10,000 lm 4K+ ¹¹ * Lens sold separately.	12,000 lm WUXGA * Lens sold separately.
	    	    	    	    
Projector type	3-Chip DLP™ Projector			
DLP Chip	Panel size 20.3 mm (0.8 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels x 3			
Light source	Laser diodes			
Light output	16,000 lm / 16,800 lm (Center) ⁶			
Time until light output declines to 50%¹	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)			
Resolution	4K (3,840 x 2,400)			
Contrast ratio (full on/full off)	25,000:1			
Screen size (diagonal)	1.78-25.4 m (70-1,000 in) ⁸			
Lens shift²	Vertical: ±66 % ⁹ , Horizontal: ±24 % ⁹ (powered)			
Filter Replacement Cycle	- (No filter)			
Terminals	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 [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [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 [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN [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]	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)] FRAME SYNC in/out [BNC x 1 (Frame-synchronizing timing signal)] FRAME SYNC out [BNC x 1 (Frame-synchronizing timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] Slot 1/2 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
Power supply	AC100 V-120 V/AC 200 V-240 V, 50 Hz/60 Hz ¹⁰			
Maximum power consumption	AC 200 V-AC 240 V: 1,190 W (1,220 VA) AC 100 V-AC 120 V: 1,080 W (1,090 VA)			
BTU value	Max. 4,066 BTU			
Operation noise	43 dB (NORMAL/ECO), 40 dB (QUIET)			
Dimensions (W x H³ x D⁴)	550 x 220 x 570 mm (21-5/8 x 8-11/16 x 22-7/16 in)			
Weight⁵	Approx. 35.0 kg/77.2 lbs			
Optional accessories	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) 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) 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-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD521B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
Optional lens	Yes (see the Optional Lenses page: P37)			

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. 3: Height: with legs at shortest position. 4: Depth: protruding parts not included. 5: Average value. Each product has an individual variable in weight. 6: Luminance measured at center of screen. 7: Resolution 3,840 x 2,400 Pixels (QUAD PIXEL DRIVE: ON) 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-D75LE9. 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: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON) 12: Vertical ±44 % and horizontal ±19 % with the ET-D75LE6/ET-D3LEW60. 13: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6/ET-D3LEW60.

FEATURES

Smart Projector Control



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

NFC Function

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



*Featured image: PT-RQ50K

* NFC function compatible projectors are the PT-RQ50K, PT-RQ35K Series, PT-RQ25K Series, PT-RQC10 Series, and PT-M216K Series only.

See page 62 for the basic information
Smart Projector Control detail page:
panasonic.net/cns/projector/download/application/smartpj/

Installation

PT-RCQ10 PT-RCQ10L⁶



10,000 lm / 10,500 lm (Center)⁷ | 2715 x 1697 dots
* Available in black/white cabinet.



PT-RCQ80 PT-RCQ80L⁶



8,000 lm / 8,400 lm (Center)⁷ | 2715 x 1697 dots
* Available in black/white cabinet.



PT-RZ120 PT-RZ120L⁶



12,000 lm / 12,600 lm (Center)⁷ | WUXGA
* Available in black/white cabinet.



PT-RZ990 PT-RZ990L⁶



9,400 lm / 10,000 lm (Center)⁷ | WUXGA
* Available in black/white cabinet.



PT-RZ890 PT-RZ890L⁶



8,500 lm / 8,800 lm (Center)⁷ | WUXGA
* Available in black/white cabinet.







Projector type	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip	Panel size 17.0 mm (0.67 in)	Panel size 17.0 mm (0.67 in)	Panel size 17.0 mm (0.67 in)	Panel size 17.0 mm (0.67 in)	Panel size 17.0 mm (0.67 in)
Aspect ratio	16:10	16:10	16:10	16:10	16:10
Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output	10,000 lm / 10,500 lm (Center) ⁷	8,000 lm / 8,400 lm (Center) ⁷	12,000 lm / 12,600 lm (Center) ⁷	9,400 lm / 10,000 lm (Center) ⁷	8,500 lm / 8,800 lm (Center) ⁷
Time until light output declines to 50%¹	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET1/QUIET2)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET1/QUIET2)/ 24,000 hours (ECO)
Resolution	4,608,000 (2,715 x 1,697) dots ⁸	4,608,000 (2,715 x 1,697) dots ⁸	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	10,000:1	10,000:1	10,000:1	10,000:1	10,000:1
Screen size (diagonal)	1.27-15.24 m (50-600 in) ⁹	1.27-15.24 m (50-600 in) ⁹	1.27-15.24 m (50-600 in) ⁹	1.27-15.24 m (50-600 in) ⁹	1.27-15.24 m (50-600 in) ⁹
Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RCQ10)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RCQ80)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ120)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ990)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ890)
Lens shift²	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹¹ (powered)	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹¹ (powered)	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹⁴ (powered)	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹¹ (powered)	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹¹ (powered)
Filter Replacement Cycle	- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 1] Slot [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 1] Slot [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 11.0-4.5 A, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	1,100 W	880 W	1,100 W	820 W	770 W
BTU value	Max. 3,754 BTU	Max. 3,003 BTU	Max. 3,754 BTU	Max. 2,799 BTU	Max. 2,628 BTU
Operation noise	43 dB (NORMAL)/40 dB (QUIET1)/38 dB (QUIET2)	40 dB (NORMAL)/38 dB (QUIET)	44 dB (NORMAL)/41 dB (QUIET1)/38 dB (QUIET2)	40 dB (NORMAL)/36 dB (QUIET1)/35 dB (QUIET2)	40 dB (NORMAL)/36 dB (QUIET1)/35 dB (QUIET2)
Dimensions (W x H³ x D⁴)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)
Weight⁵	Approx. 24.2 kg/53.4 lbs (23.4 kg/51.6 lbs ⁶)	Approx. 24.2 kg/53.4 lbs (23.4 kg/51.6 lbs ⁶)	Approx. 23.6 kg/51.9 lbs (22.8 kg/50.2 lbs ⁶)	Approx. 23.0 kg/50.7 lbs (22.2 kg/48.9 lbs ⁶)	Approx. 23.0 kg/50.7 lbs (22.2 kg/48.9 lbs ⁶)
Optional accessories	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-NUK10 (NFC Upgrade Kit) ¹² ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-NUK10 (NFC Upgrade Kit) ¹² ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
Optional lens	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)

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

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

Installation

		PT-RZ790 PT-RZ790L ⁶	PT-RZ690 PT-RZ690L ⁶
			
		7,000 lm / 7,200 lm (Center) ⁸ WUXGA * Available in black/white cabinet.	6,000 lm / 6,200 lm (Center) ⁸ WUXGA * Available in black/white cabinet.
			
Projector type		1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip	Panel size	17.0 mm (0.67 in)	17.0 mm (0.67 in)
	Aspect ratio	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diode		
Light output	7,000 lm / 7,200 lm (Center) ⁸		
Time until light output declines to 50%¹	20,000 hours (NORMAL)/ 24,000 hours (ECO)		
Resolution	WUXGA (1,920 x 1,200)		
Contrast ratio (full on/full off)	10,000:1		
Screen size (diagonal)	1.27-15.24 m (50-600 in) ⁹		
Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.71-2.41:1) (PT-RZ790)		
Lens shift²	Vertical: +50 %/-16 % ¹⁰ , Horizontal: +30 %/-10 % ¹¹ (powered)		
Filter Replacement Cycle	- (No filter)		
Terminals	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]		
Power supply	100-240 V AC, 50/60 Hz		
Maximum power consumption	630 W		
BTU value	Max. 2,151 BTU		
Operation noise	36 dB (NORMAL)/35 dB (QUIET)		
Dimensions (W x H³ x D⁴)	498 x 200 x 581 mm (19-19/32 x 7-7/8 x 22-7/8 in)		
Weight⁵	Approx. 22.1 kg/48.7 lbs (21.3 kg/47.0 lbs ⁶)		
Optional accessories	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)		
Optional lens	Yes (see the Optional Lenses page: P39)		

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

FEATURES

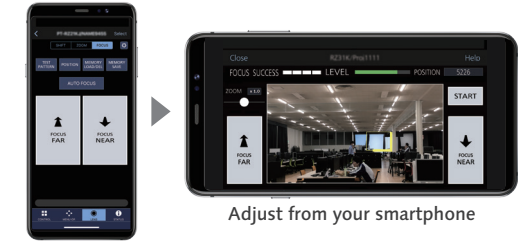
Smart Projector Control

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

Auto Focus Function

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

Adjusting the focus is easy even after installing the projector!



Adjust from your smartphone

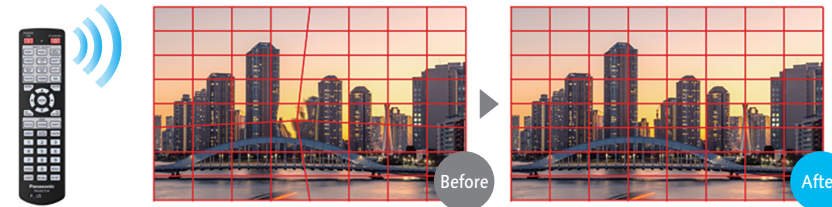
*Like the NFC-compatible devices, only the PT-RQ50K, PT-RQ35K Series, PT-RQ25K Series, PT-RZ120, PT-RCQ10 Series, PT-RZ990 Series, PT-MZ20K Series and PT-MZ880 Series are compatible with the Auto Focus.

See page 62 for the basic information

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

Geometric Adjustment with Free Grid Correction

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



Remote Control
















Easy Adjustment via Remote Control

Note: For Geometric Adjustment-ready models, see page 63.

6: Lens-less model. 7: HDMI/DIGITAL LINK input only. 8: Luminance measured at center of screen. 9: 1.27-5.08 m (50-200 in) with the ET-DLE055. 2.54-10.16 m (100-400 in) with the ET-DLE020. 2.54-8.89 m (100-350 in) with the ET-DLE035. 10: Vertical +40 %/-16 % with the ET-DLE060. 11: Horizontal +10 %/-20 % with the ET-DLE020, +19 %/-10 % with the ET-DLE060, +28 %/-10 % with the ET-DLE105/ET-DLE085.

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.




























Installation

		PT-FRQ60	PT-FRQ50	PT-FRZ60 ⁷	PT-FRZ50 ⁷	PT-FRZ55 ⁷
		 6,000 lm / 6,200 lm (Center) ⁶ 4K ⁵ * Available in black/white cabinet.	 5,200 lm / 5,400 lm (Center) ⁶ 4K ⁵ * Available in black/white cabinet.	 6,000 lm / 6,200 lm (Center) ⁶ WUXGA * Available in black/white cabinet.	 5,200 lm / 5,400 lm (Center) ⁶ WUXGA * Available in black/white cabinet.	 5,000 lm / 5,200 lm (Center) ⁶ WUXGA
		 	 	 	 	 
Projector type		1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
DLP chip	Panel size	16.5 mm (0.65 in)	16.5 mm (0.65 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)	17.0 mm (0.67 in)
	Aspect ratio	16:9	16:9	16:10	16:10	16:10
	Number of pixels	2,073,600 (1,920 x 1,080 pixels)	2,073,600 (1,920 x 1,080 pixels)	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		6,000 lm / 6,200 lm (Center) ⁶	5,200 lm / 5,400 lm (Center) ⁶	6,000 lm / 6,200 lm (Center) ⁶	5,200 lm / 5,400 lm (Center) ⁶	5,000 lm / 5,200 lm (Center) ⁶
Time until light output declines to 50%¹		20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 20,000 hours (QUIET)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 20,000 hours (QUIET)/43,000 hours (LONG LIFE1)/ 61,000 hours (LONG LIFE2)/87,000 hours (LONG LIFE3)
Resolution		4K (3,840 x 2,160)	4K (3,840 x 2,160)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)
Lens (throw ratio)		F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	Fixed zoom/Auto Focus Lenses (Short throw) (0.8:1)
Lens shift²		Vertical: +71 %/-48 %, Horizontal: +34 % ⁸ /-27 % (manual)	Vertical: +71 %/-48 %, Horizontal: +34 % ⁸ /-27 % (manual)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: ±4.4 %, Horizontal: ±2.1 % (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals		HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB (DC OUT) [USB type-A x 1]	HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB (DC OUT) [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		505 W	480 W	540 W	465 W	465 W
BTU value		Max. 1,775 BTU	Max. 1,640 BTU	Max. 1,843 BTU	Max. 1,587 BTU	Max. 1,587 BTU
Operation noise		36 dB (NORMAL/ECO)/31 dB (QUIET)	35 dB (NORMAL/ECO)/28 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)
Dimensions (W x H³ x D)		498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 481 mm (19-5/8 x 6-5/8 x 18-15/16 in)
Weight⁴		Approx. 16.4 kg/36.2 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.0 kg/35.3 lbs	Approx. 16.4 kg/36.2 lbs
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV (D-sub/S-VIDEO Conversion Cable)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV (D-sub/S-VIDEO Conversion Cable)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV (D-sub/S-VIDEO Conversion Cable)
Optional lens		-	-	-	-	-

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

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

Installation

	PT-MZ17KL NEW  	PT-MZ14KL NEW  	PT-MZ11KL NEW  	PT-MZ880  	PT-MZ780  
	 16,500 lm WUXGA * Lens sold separately.* Available in black/white cabinet.  	 14,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.  	 11,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.  	 8,000 lm WUXGA * Available in black/white cabinet.   	 7,000 lm WUXGA * Available in black/white cabinet.   
Projector type	LCD Projector				
LCD panel	Panel size	25.4 mm (1.0 in)	25.4 mm (1.0 in)	25.4 mm (1.0 in)	19.3 mm (0.76 in)
	Aspect ratio	16:10			
Light source	Light output	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels x 3
	Time until light output declines to 50%¹	Laser diode	Laser diode	Laser diode	Laser diode
Resolution	16,500 lm	14,000 lm	11,000 lm	8,000 lm	7,000 lm
Contrast ratio (full on/full off)	20,000 hours (NORMAL/QUIET)	20,000 hours (NORMAL/QUIET)	20,000 hours (NORMAL/QUIET)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
Screen size (diagonal)	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)
Lens (throw ratio)	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Lens shift²	2.03-15.24 m (80-600 in) ⁶	2.03-15.24 m (80-600 in) ⁶	2.03-15.24 m (80-600 in) ⁶	1.02-10.16 m (40-400 in) ⁹	1.02-10.16 m (40-400 in) ⁹
Filter Replacement Cycle	Optional zoom lens	Optional zoom lens	Optional zoom lens	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)
Terminals	Vertical: ±60 % ⁷ , Horizontal: ±20 % ⁷ (powered)	Vertical: ±60 % ⁷ , Horizontal: ±20 % ⁷ (powered)	Vertical: ±60 % ⁷ , Horizontal: ±20 % ⁷ (powered)	Vertical: ±67 % ¹⁰ , Horizontal: ±35 % ¹⁰ (powered)	Vertical: ±67 % ¹⁰ , Horizontal: ±35 % ¹⁰ (powered)
Power supply	20,000 hours	20,000 hours	20,000 hours	20,000 hours	20,000 hours
Maximum power consumption	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 2] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] USB [USB type A x 1 (for optional AJ-WM50 Series Wireless Module, for USB memory)]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 2] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] USB [USB type A x 1 (for optional AJ-WM50 Series Wireless Module, for USB memory)]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 2] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))] USB [USB type A x 1 (for optional AJ-WM50 Series Wireless Module, for USB memory)]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]
BTU value	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
Operation noise	950 W	800 W	615 W	490 W	435 W
Dimensions (W x H³ x D)	Max. 2,457 BTU	Max. 2,013 BTU	Max. 1,535 BTU	Max. 1,675 BTU	Max. 1,485 BTU
Weight⁴	38 dB (NORMAL), 32 dB (QUIET)	35 dB (NORMAL), 30 dB (QUIET)	35 dB (NORMAL), 30 dB (QUIET)	34 dB (NORMAL/ECO)/ 27 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)
Optional accessories	650 x 211 x 440 ⁸ mm (25-19/32 x 8-5/16 x 17-5/16 ⁸ in)	650 x 211 x 440 ⁸ mm (25-19/32 x 8-5/16 x 17-5/16 ⁸ in)	650 x 211 x 440 ⁸ mm (25-19/32 x 8-5/16 x 17-5/16 ⁸ in)	561 x 190 x 437 ⁸ mm (22-3/32 x 7-15/32 x 17-7/32 ⁸ in)	561 x 190 x 437 ⁸ mm (22-3/32 x 7-15/32 x 17-7/32 ⁸ in)
Optional lens	Approx. 22.5 kg/49.6 lbs	Approx. 22.5 kg/49.6 lbs	Approx. 22.5 kg/49.6 lbs	Approx. 18.6 kg/41.0 lbs	Approx. 18.6 kg/41.0 lbs
Optional accessories	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) ET-NUK10 (NFC Upgrade Kit) ⁶	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) ET-NUK10 (NFC Upgrade Kit) ⁶	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) ET-NUK10 (NFC Upgrade Kit) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Optional lens	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

1: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode. 2: The lens shift cannot be used with a fixed-focus lens. 3: Height: with legs at shortest position. 4: Average value. Each product has an individual variable in weight. 5: HDMI/DIGITAL LINK input only. 6: 2.54-10.16 m [100-400 in] (with ET-EMU100), 2.03-12.7 m [80-500 in] (with ET-EMT800)

7: 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. 8: Depth: Not including lens or protruding parts. 9: 1.52-10.16 m [60-400 in] (with ET-ELW22), 2.54-10.16 m [100-400 in] (with ET-ELU20) 10: Vertical ±60 % and horizontal ±30 % with the ET-ELW22. Vertical ±50 % and horizontal ±24 % with the ET-ELU20.

Installation

PT-MZ680



6,000 lm WUXGA
*Available in black/white cabinet.



PT-EZ770Z PT-EZ770ZL⁸



6,500 lm WUXGA



PT-EW730Z PT-EW730ZL⁸



7,000 lm WXGA



PT-EX800Z PT-EX800ZL⁸



7,500 lm XGA



PT-EZ57



5,000 lm WUXGA













Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector	
LCD panel	Panel size	19.3 mm (0.76 in)	19.0 mm (0.76 in)	19.0 mm (0.76 in)	20.0 mm (0.79 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10	4:3	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	2,304,000(1,920 x 1,200) x 3, total of 6,912,000 pixels
Light source	Laser diode	400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp	320 W UHM Lamp
Light output	6,000 lm	6,500 lm	7,000 lm	7,500 lm	7,500 lm	5,000 lm
Time until light output declines to 50%¹	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/ 4,500 hours (ECO2)	4,000 hours (NORMAL)/ 5,000 hours (ECO)
Resolution	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	3,000,000:1	5,000:1	5,000:1	5,000:1	2,000:1	2,000:1
Screen size (diagonal)	1.02–10.16 m (40–400 in)	1.02–10.16 m (40–400 in) ⁹	1.02–10.16 m (40–400 in) ⁹	1.02–10.16 m (40–400 in) ⁹	1.02–10.16 m (40–400 in) ⁹	1.02–7.62 m (40–300 in)
Lens (throw ratio)	F 1.7–2.3, f 26.8–45.5 mm (1.6–2.8:1)	F 1.7–2.3, f 26.9–45.4 mm (1.7–2.8:1) (PT-EZ770Z)	F 1.7–2.3, f 26.9–45.4 mm (1.7–2.8:1) (PT-EW730Z)	F 1.7–2.3, f 26.9–45.4 mm (1.7–2.8:1) (PT-EX800Z)	F 1.7–2.3, f 26.9–45.4 mm (1.7–2.8:1) (PT-EX800Z)	F 1.6–2.2, f 171–31.7 mm
Lens shift²	Vertical: ±67 % ⁶ , Horizontal: ±35 % ⁶ (powered)	Vertical: ±60 %, Horizontal: ±10 % (powered)	Vertical: ±60 %, Horizontal: ±10 % (powered)	Vertical: ±50 %, Horizontal: ±10 % (powered)	Vertical: ±50 %, Horizontal: ±10 % (powered)	Vertical: ±60 %, Horizontal: ±30 % (powered)
Filter Replacement Cycle	20,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YBPBR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1, (RGB/YBPBR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 2] (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1)]
Power supply	100–240 V AC, 50/60 Hz	100–240 V AC, 50/60 Hz	100–240 V AC, 50/60 Hz	100–240 V AC, 50/60 Hz	100–240 V AC, 50/60 Hz	100–240 V AC, 5.5–2.3 A, 50/60 Hz
Maximum power consumption	360 W	590 W	575 W	575 W	575 W	484 W
BTU value	Max. 1,230 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU	Max. 1,962 BTU	Max. 1,651 BTU
Built-in speaker	-	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	32 dB (NORMAL/ECO)/ 26 dB (QUIET)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	29 dB (Silent), 35 dB (Normal/ECO)
Dimensions (W x H³ x D)	561 x 190 x 437 ⁷ mm (22–3/32 x 7–15/32 x 17–7/32 ⁷ in)	530 x 177 x 445 ¹⁰ mm (20–7/8 x 6–31/32 x 17–17/32 ¹⁰ in)	530 x 177 x 445 ¹⁰ mm (20–7/8 x 6–31/32 x 17–17/32 ¹⁰ in)	530 x 177 x 445 ¹⁰ mm (20–7/8 x 6–31/32 x 17–17/32 ¹⁰ in)	530 x 177 x 445 ¹⁰ mm (20–7/8 x 6–31/32 x 17–17/32 ¹⁰ in)	498 x 145 x 398.3 mm (19–19/32 x 5–23/32 x 15–11/16 in)
Weight⁴	Approx. 17.6 kg/38.8 lbs	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs ⁸)	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs ⁸)	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs ⁸)	Approx. 10.6 kg/23.4 lbs (9.8 kg/21.6 lbs ⁸)	Approx. 7.9kg (17.4lbs) (PT-EZ590L: approx. 7.7 kg/17.0 lbs)
Replacement lamp	- (No lamp)	ET-LAE300	ET-LAE300	ET-LAE300	ET-LAE300	ET-LAEF100
Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket)
Optional lens	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

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

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

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

Installation

	PT-EZ590 PT-EZ590L ⁵	PT-EW650 PT-EW650L ⁵	PT-EW550 PT-EW550L ⁵	PT-EX620 PT-EX620L ⁵	PT-EX520 PT-EX520L ⁵
	 5,400 lm WUXGA 	 5,800 lm WXGA 	 5,000 lm WXGA 	 6,200 lm XGA 	 5,300 lm XGA 
Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size 16.3 mm (0.64 in) Aspect ratio 16:10 Number of pixels 2,304,000 (1,920 x 1,200) pixels	Panel size 16.3 mm (0.64 in) Aspect ratio 16:10 Number of pixels 1,024,000 (1,280 x 800) pixels	Panel size 16.3 mm (0.64 in) Aspect ratio 16:10 Number of pixels 1,024,000 (1,280 x 800) pixels	Panel size 16.0 mm (0.63 in) Aspect ratio 4:3 Number of pixels 786,432 (1,024 x 768) pixels	Panel size 16.0 mm (0.63 in) Aspect ratio 4:3 Number of pixels 786,432 (1,024 x 768) pixels
Light source	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp
Light output	5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
Time until light output declines to 50%¹	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)	4,000 hours (NORMAL)/ 5,000 hours (ECO)
Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)	10,000:1	10,000:1	2,000:1	10,000:1	2,000:1
Screen size (diagonal)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)
Lens (throw ratio)	F 1.6-2.2, f 171-317 mm (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 171-317 mm (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f 171-317 mm (1.22-2.26:1) (PT-EW550)	F 1.6-2.2, f 171-317 mm (1.32-2.44:1) (PT-EX620)	F 1.6-2.2, f 171-317 mm (1.32-2.44:1) (PT-EX520)
Lens shift	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)
Filter Replacement Cycle	15,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]
Power supply	100-240 V AC, 5.5-2.3 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz
Maximum power consumption	484 W	461 W	461 W	461 W	461 W
BTU value	Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)
Dimensions (W x H² x D³)	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)
Weight⁴	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs ⁵)	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs ⁵)	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs ⁵)	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs ⁵)	Approx. 8.4 kg/18.5 lbs (7.7 kg/17.0 lbs ⁵)
Replacement lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100
Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷
Optional lens	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)	Yes (see the Optional Lenses page: P43)

1: The usage environment affects the lamp replacement cycle.

2: Height: with legs at shortest position.










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

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

5: Lens-less model.

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

Installation

	PT-FZ570	PT-FW530	PT-FX500	
	 4,500 lm WUXGA  	 4,500 lm WXGA  	 5,000 lm XGA  	
Projector type	LCD Projector	LCD Projector	LCD Projector	
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source	270 W UHM Lamp	270 W UHM Lamp	270 W UHM Lamp	
Light output	4,500 lm	4,500 lm	5,000 lm	
Time until light output declines to 50%¹	6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)	6,000 hours (NORMAL)/ 8,000 hours (ECO)	
Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	
Contrast ratio (full on/full off)	10,000:1	10,000:1	10,000:1	
Screen size (diagonal)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	
Lens (throw ratio)	F 1.6-2.2, f 171-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 171-31.7 mm (1.22-2.26:1)	F 1.6-2.2, f 171-31.7 mm (1.32-2.44:1)	
Lens shift	Vertical: ±60 %, Horizontal: ±30 % (manual)	Vertical: ±60 %, Horizontal: ±30 % (manual)	Vertical: ±50 %, Horizontal: ±30 % (manual)	
Filter Replacement Cycle	16,000 hours	16,000 hours	16,000 hours	
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	
Terminals	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁶)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁶)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 900 mA))] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁶)]	
Power supply	100-240 V AC, 4.7-1.9 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz	
Maximum power consumption	413 W	400 W	400 W	
BTU value	Max. 1,410 BTU	Max. 1,365 BTU	Max. 1,365 BTU	
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	
Operation noise	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	
Dimensions (W x H² x D³)	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)	
Weight⁴	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	
Replacement lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100	
Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁶	

1: The usage environment affects the lamp replacement cycle.
2: Height: with legs at shortest position.
3: Depth: including the supplied lens.

4: Average value. Each product has an individual variable in weight.
5: The optional ET-WML100 Wireless Module is required.
6: Limited stock.

DIGITAL LINK

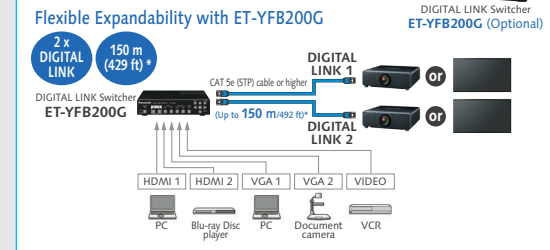
Next-Generation High-Quality Digital Transmission over a Single Cable



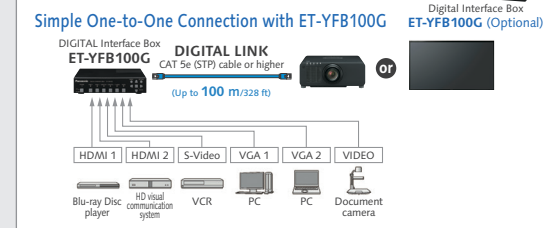
High Quality
Long Distance
Cost Effective

DIGITAL LINK is a connection system based on 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

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/

Note: For DIGITAL LINK-ready models, see the "Function" column of the Feature Compatibility Chart on page 45 to 50.

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



















Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diode	Laser diode	Laser diode	Laser diode
Light output	7,000 lm	6,200 lm	5,200 lm	5,200 lm
Time until light output declines to 50%¹	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)
Resolution	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Screen size (diagonal)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
Lens shift	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
Filter Replacement Cycle	20,000 hours	20,000 hours	20,000 hours	20,000 hours
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	Ceiling/floor, front/rear, free 360-degree installation
Terminals	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/ power supply (DC 5 V, up to 2 A)/ optional Wireless Module)]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	420 W	370 W	305 W	300 W
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	38 dB (NORMAL/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)
Dimensions (W x H² x D)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)	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)
Weight³	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
Replacement lamp	- (No lamp)	- (No lamp)	- (No lamp)	- (No lamp)
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) AJ-WM50 (Wireless Module)

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: Input signals are converted to the projector's display resolution upon playback. 4K/30p signals are supported via HDMI terminal.

















Portable

		PT-LMZ460 NEW 	PT-LMZ420 NEW 	PT-LMW460 NEW 	PT-LMW420 NEW 
		 4,600 lm WUXGA  	 4,200 lm WUXGA  	 4,600 lm WXGA  	 4,200 lm WXGA  
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels
Light source	Laser diode		Laser diode	Laser diode	
Light output	4,600 lm	4,200 lm	4,600 lm	4,200 lm	
Time until light output declines to 50%	20,000 hours (NORMAL) ⁵		20,000 hours (NORMAL) ⁵	20,000 hours (NORMAL) ⁵	20,000 hours (NORMAL) ⁵
Resolution	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	
Contrast ratio (full on/full off)	3,000,000:1		3,000,000:1	3,000,000:1	
Screen size (diagonal)	0.76-7.62 m (30-300 in)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	
Lens (throw ratio)	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)	
Lens shift	- [fixed]		- [fixed]	- [fixed]	
Filter Replacement Cycle	20,000 hours		20,000 hours	20,000 hours	
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	
Terminals	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)]	
Power supply	100-240 V AC, 50/60 Hz		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	
Maximum power consumption	240 W	240 W	230 W	230 W	
Built-in speaker	10.0 W (monaural)		10.0 W (monaural)	10.0 W (monaural)	
Operation noise	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)	
Dimensions (W x H¹ x D)	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)	
Weight²	Approx. 4.2 kg/9.26 lbs		Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs	
Replacement lamp	- (No lamp)		- (No lamp)	- (No lamp)	
Optional accessories	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)	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)	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)	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)	

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.




Portable

	PT-LMX460 NEW  	PT-LMX420 NEW  	PT-VZ585N  	PT-VZ580
	 4,600 lm XGA  	 4,200 lm XGA  	 5,000 lm WUXGA  	 5,000 lm WUXGA
Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)
	Aspect ratio	16:10	16:10	16:10
	Number of pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	2,304,000 (1,920 x 1,200) pixels
Light source	Laser diode	Laser diode	280 W UHM Lamp	280 W UHM Lamp
Light output	4,600 lm	4,200 lm	5,000 lm	5,000 lm
Time until light output declines to 50%	20,000 hours (NORMAL) ⁵	20,000 hours (NORMAL) ⁵	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2) ⁶	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2) ⁶
Resolution	XGA (1,024 x 768)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)	3,000,000:1	3,000,000:1	16,000:1	16,000:1
Screen size (diagonal)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)	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 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)
Lens shift	- [fixed]	- [fixed]	Vertical: +44 % (manual)	Vertical: +44 % (manual)
Filter Replacement Cycle	20,000 hours	20,000 hours	7,000 hours	7,000 hours
Installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in [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/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)
Maximum power consumption	230 W	230 W	400 W (North America), 410 W (other countries)	400 W (North America), 410 W (other countries)
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	35 dB (NORMAL/ECO)/24 dB (QUIET)	33 dB (NORMAL/ECO)/23 dB (QUIET)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)
Dimensions (W x H¹ x D)	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)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)
Weight²	Approx. 4.2 kg/9.26 lbs	Approx. 4.2 kg/9.26 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs
Replacement lamp	- (No lamp)	- (No lamp)	ET-LAV400	ET-LAEF100
Optional accessories	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)	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)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)

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.











Portable

	PT-VX615N	PT-VX610	PT-VW360	PT-VX430	PT-LW376
	 5,500 lm XGA  	 5,500 lm XGA 	 4,000 lm WXGA 	 4,500 lm XGA 	 3,600 lm WXGA 
Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)	15.0 mm (0.59 in)
	Aspect ratio	4:3	4:3	16:10	16:10
	Number of pixels	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
Light source	280 W UHM Lamp	280 W UHM Lamp	240 W UHM Lamp	240 W UHM Lamp	230 W UHM Lamp
Light output	5,500 lm	5,500 lm	4,000 lm	4,500 lm	3,600 lm
Time until light output declines to 50%¹	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/7,000 hours (ECO)	5,000 hours (NORMAL)/7,000 hours (ECO)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution	XGA (1,024 x 768)	XGA (1,024 x 768)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WXGA (1,280 x 800)
Contrast ratio (full on/full off)	16,000:1	16,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.90, f 15.31-26.24 mm (1.2-1.9:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)
Lens shift	Vertical: +40 % (manual)	Vertical: +40 % (manual)	49:1 (fixed)	9:1 (fixed)	6:1 [fixed]
Filter Replacement Cycle	7,000 hours	7,000 hours	7,000 hours	7,000 hours	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module)] USB [USB type-B x 1 (for USB display)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]
Power supply	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	385 W (North America), 400 W (other countries)	385 W (North America), 400 W (other countries)	320 W	320 W	300 W
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/29 dB (ECO)	37 dB (NORMAL)/29 dB (ECO)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H² x D)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	352 x 98 x 279 mm (13-27/32 x 3-27/32 x 10-31/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)
Weight³	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs
Replacement lamp	ET-LAV400	ET-LAV400	ET-LAV300	ET-LAV300	ET-LAL510
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)

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

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



Portable

	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306 ⁶
	 3,100 lm WXGA 	 4,100 lm XGA 	 3,800 lm XGA 	 3,300 lm XGA 	 3,100 lm XGA 
Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	4:3	4:3	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output	3,100 lm	4,100 lm	3,800 lm	3,300 lm	3,100 lm
Time until light output declines to 50%¹	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)	F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)
Lens shift	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 1] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] USB [USB type-B x 1 (for service use)]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	300 W	300 W	300 W	300 W	300 W
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
Operation noise	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H² x D)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)	335 x 96 x 252 mm (13-3/16 x 3-25/32 x 9-29/32 in)
Weight³	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.39 lbs	Approx. 2.9 kg/6.39 lbs	Approx. 2.8 kg/6.17 lbs
Replacement lamp	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable)

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

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

Short Throw

		PT-TMZ400 NEW	PT-TMW380 NEW	PT-TMX380 NEW
		 4,000 lm WUXGA  	 3,800 lm WXGA  	 3,800 lm XGA  
Projector type	LCD panel	LCD Projector	LCD Projector	LCD Projector
	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3
	Number of pixels	2,304,000 (1920 x 1200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source	Laser diodes	Laser diodes	Laser diodes	
Light output	4,000 lm	3,800 lm	3,800 lm	
Time until light output declines to 50%¹	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)	
Resolution	WUXGA (1920 x 1200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	
Contrast ratio (full on/full off)	3,000,000:1	3,000,000:1	3,000,000:1	
Screen size (diagonal)	1.27-2.67 m (50-105 in)	1.27-2.67 m (50-105 in)	1.27-2.67 m (50-105 in)	
Lens (throw ratio)	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)	
Lens shift	- (fixed)	- (fixed)	- (fixed)	
Filter Replacement Cycle	20,000 hours	20,000 hours	20,000 hours	
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	
Terminals	HDMI 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/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 [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/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 [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/Wireless Module/ power supply (DC 5 V, up to 2 A))]	
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	
Maximum power consumption	240 W	230 W	230 W	
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	
Operation noise	35 dB (NORMAL/ECO)/24 dB (QUIET)	35 dB (NORMAL/ECO)/24 dB (QUIET)	35 dB (NORMAL/ECO)/24 dB (QUIET)	
Dimensions (W x H² x D)	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)	
Weight³	Approx. 4.9 kg/10.8 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.9 kg/10.8 lbs	
Replacement lamp	- (No lamp)	- (No lamp)	- (No lamp)	
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series ⁶ (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series ⁶ (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL400 (Replacement filter unit) AJ-WM50 Series ⁶ (Wireless Module)	

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 image¹. 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.

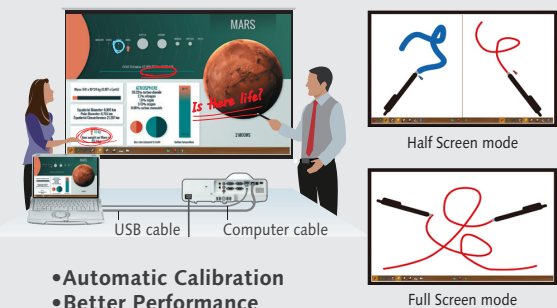


1: Projection distance is 73 cm for the PT-TMZ400/TMW380, 75 cm for the PT-TMX380 and PT-TX440/PT-TX350, and 80 cm for the PT-TW381R/PT-TW380 when projecting an 80-inch image.

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

Short Throw

	PT-TW381R	PT-TW380	PT-TX440 ⁶	PT-TX350 ⁶
	 3,300 lm WXGA  	 3,300 lm WXGA 	 3,800 lm XGA 	 3,200 lm XGA 
Projector type	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	15.0 mm (0.59 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output	3,300 lm	3,300 lm	3,800 lm	3,200 lm
Time until light output declines to 50%¹	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)
Lens (throw ratio)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)
Lens shift	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))] Mini USB [Mini USB x 1, (for interactive function)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply (DC 5 V, up to 2 A))]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption	300 W	300 W	300 W	300 W
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x H² x D)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)	335 x 134.1 x 329 mm (13-3/16 x 5-9/32 x 12-15/16 in)
Weight³	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs
Replacement lamp	ET-LAL510	ET-LAL510	ET-LAL510	ET-LAL510
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-PEN100 (Interactive Light pen) ET-PNT100 (Interactive Pointer)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 ⁵ (Wireless Module) ET-ADSV (D-Sub/S-VIDEO conversion cable)

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

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

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

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

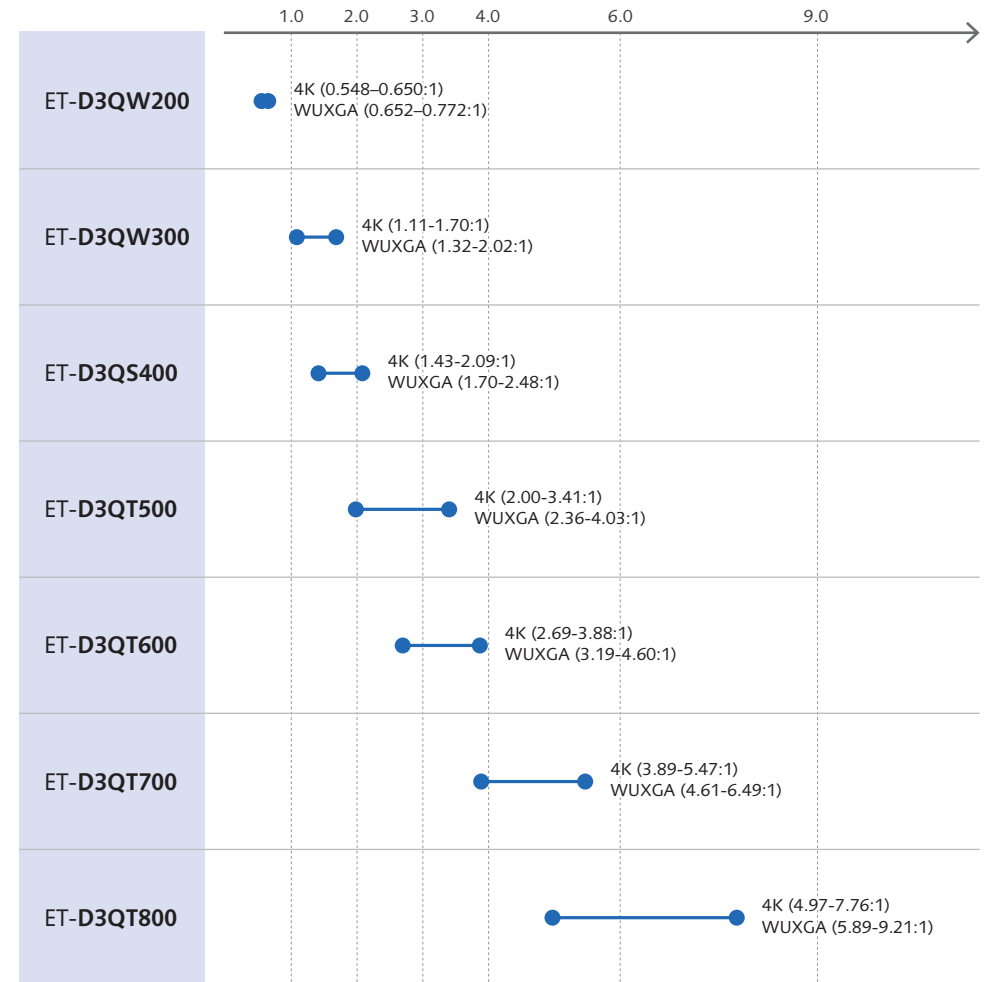


ID:Featuring Auto Lens Identification Function* **M**:Stepping Motor for zoom in addition to focus.

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

Throw Ratio



* Calibration is required each time the lens is mounted.

Optional Lenses for 3-Chip DLP™ Projector¹ (Large-Venue)

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



ID: Featuring Auto Lens Identification Function² 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 ⁴	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	19.6-23.5 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	TBD	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

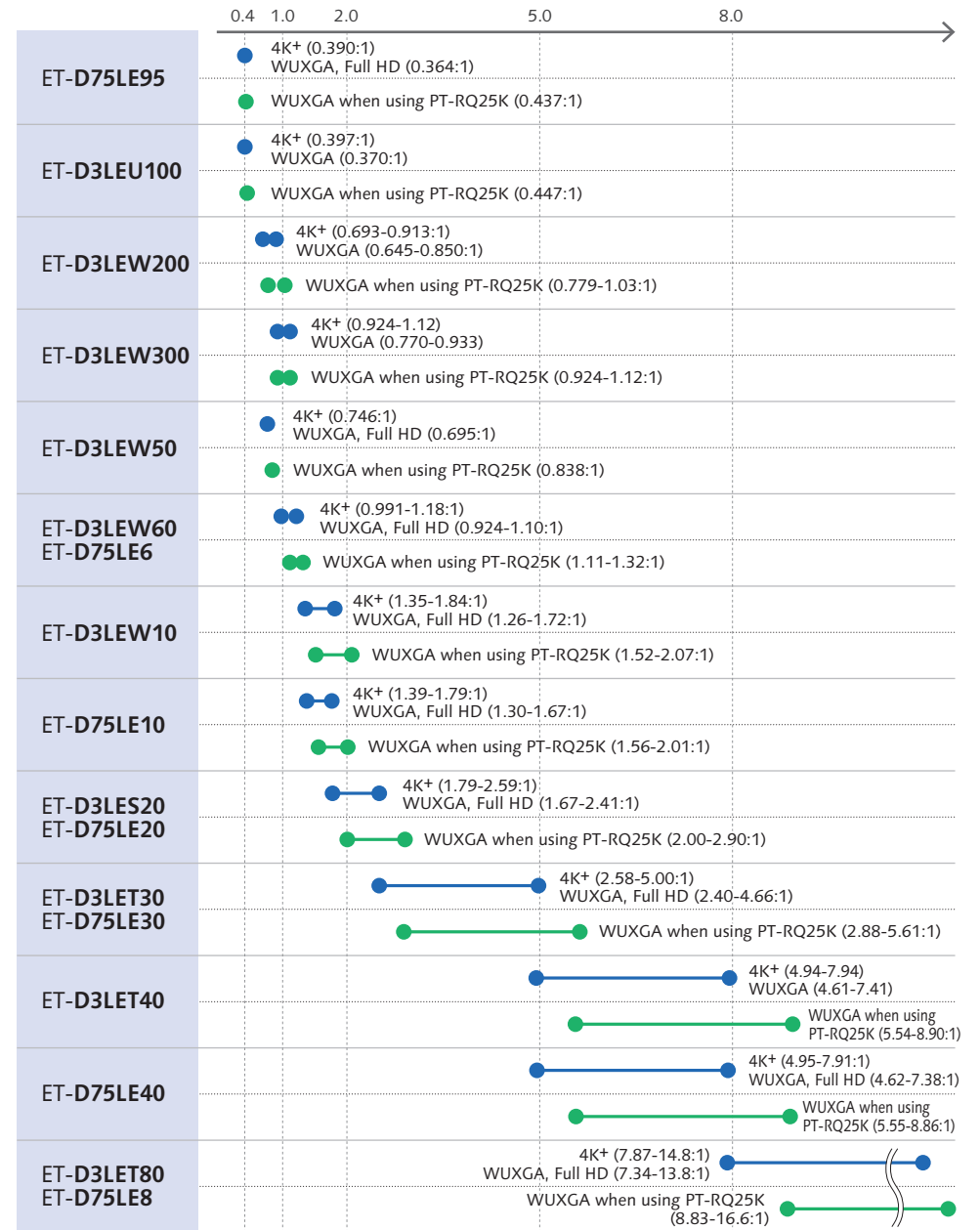
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D75LE30	ET-D3LET40	ET-D75LE40	ET-D3LET80	ET-D75LE8
F-number	2.5	2.5	2.5	2.5-2.7	2.5-2.7
Focal length	50.5-97.9 mm	96.6-154.9 mm	96.6-154.1 mm	154.1-288.8 mm	154.1-288.8 mm
Weight	Approx. 5.2 kg/11.5 lbs	Approx. 5.0 kg/11.0 lbs	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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ13K	✓	✓ ⁴	-	-	✓	-	✓	-	-	-	✓	-	✓	-	-	-	✓
PT-RZ12K	✓	✓ ⁴	-	-	✓	-	✓	-	-	-	✓	-	✓	-	-	-	✓
ET-PLF20	-	✓	✓	✓	✓	-	✓	-	-	-	✓	-	✓	-	-	-	✓
ET-PLF10	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio



1: Except for the PT-RQ50K. 2: Calibration is required each time the lens is mounted.
 3: The picture is not final. 4: Projector may require the latest firmware update.

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



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

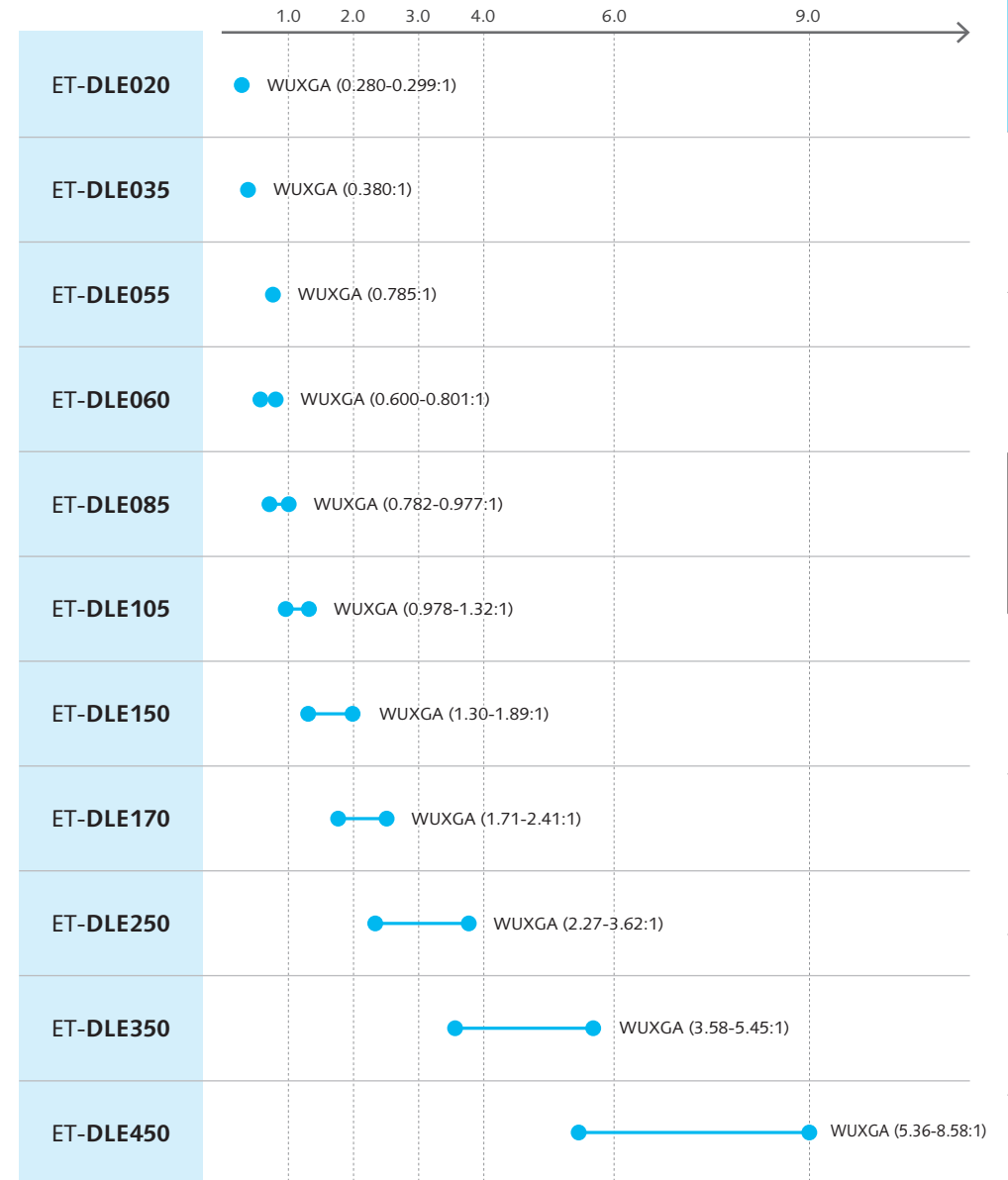
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens (supplied lens) ¹
Model number	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170
F-number	1.9-2.2	1.9-2.4	1.8-2.4	1.7-1.9
Focal length	11.8-14.6 mm	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm
Weight	Approx. 1.3 kg/2.9 lbs	Approx. 1.2 kg/2.6 lbs	Approx. 1.1 kg/2.4 lbs	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-RCQ10	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RCQ80	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ120	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ990	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ890	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ790	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ690	✓ ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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 Projector¹ (Installation)

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



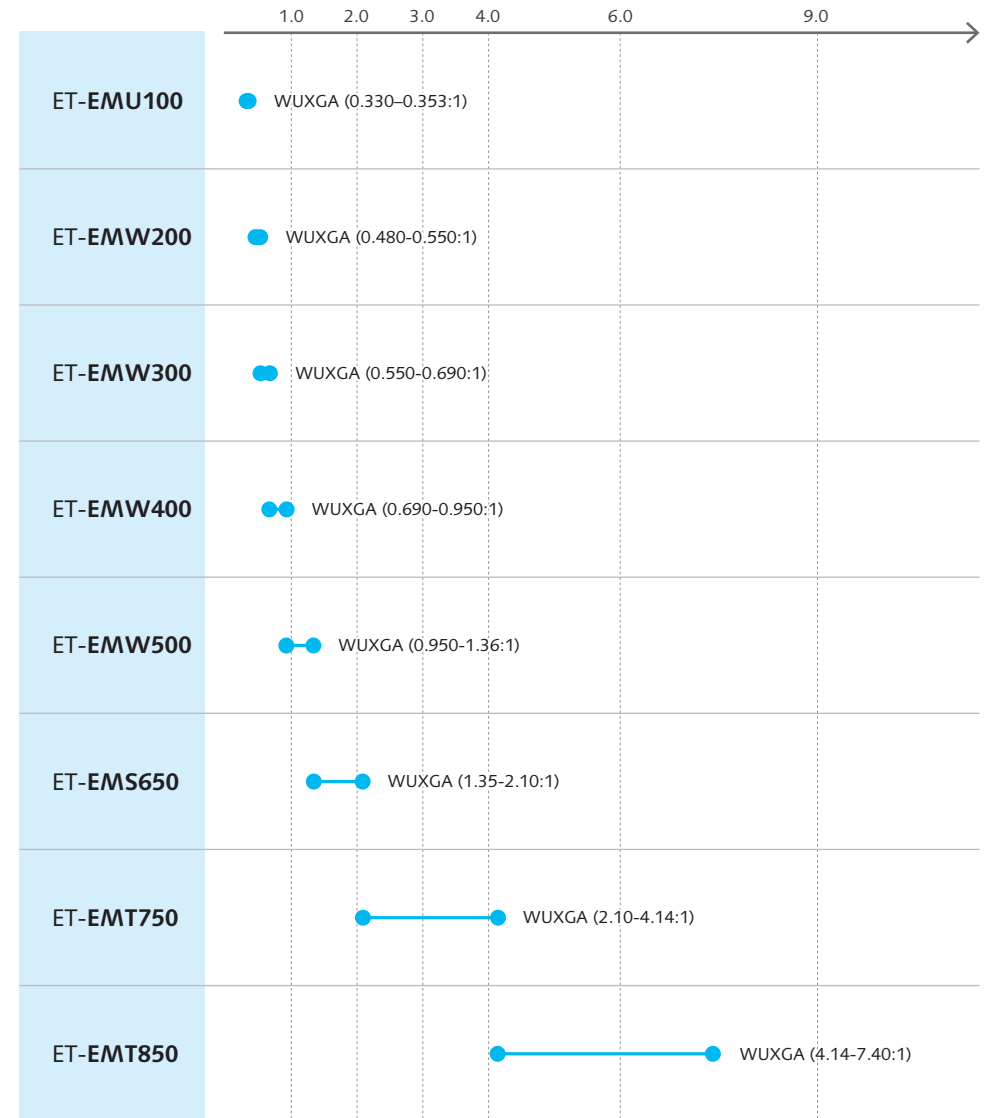
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-EMU100	ET-EMW200	ET-EMW300	ET-EMW400
F-number	1.9	1.8-2.1	1.8-2.2	1.8-2.2
Focal length	7.2-7.7 mm	10.8-12.5 mm	12.3-15.4 mm	15.3-21.1 mm
Weight	Approx. 7.2 kg/15.87 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.05 kg/11.13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

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-EMW500	ET-EMS650	ET-EMT750	ET-EMT850
		Available from CY2023 1Q	Available from CY2023 1Q	Available from CY2023 1Q
F-number	1.8-2.4	1.8-2.2	1.8-2.5	1.9-2.4
Focal length	21.1-30.0 mm	29.9-46.3 mm	46.0-90.5 mm	90.3-162.6 mm
Weight	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-MZ17K	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ14K	✓	✓	✓	✓	✓	✓	✓	✓
PT-MZ11K	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio



1: PT-MZ20K (20,000 lm) available from CY2023 2Q.
 Please refer to the website below for detailed specification.
<https://panasonic.net/cns/projector/products/mz20k/>

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

Optional Lenses for LCD Projector¹ (Installation)

The Throw Distance Calculator should help you out. Please try it.
 >>> 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

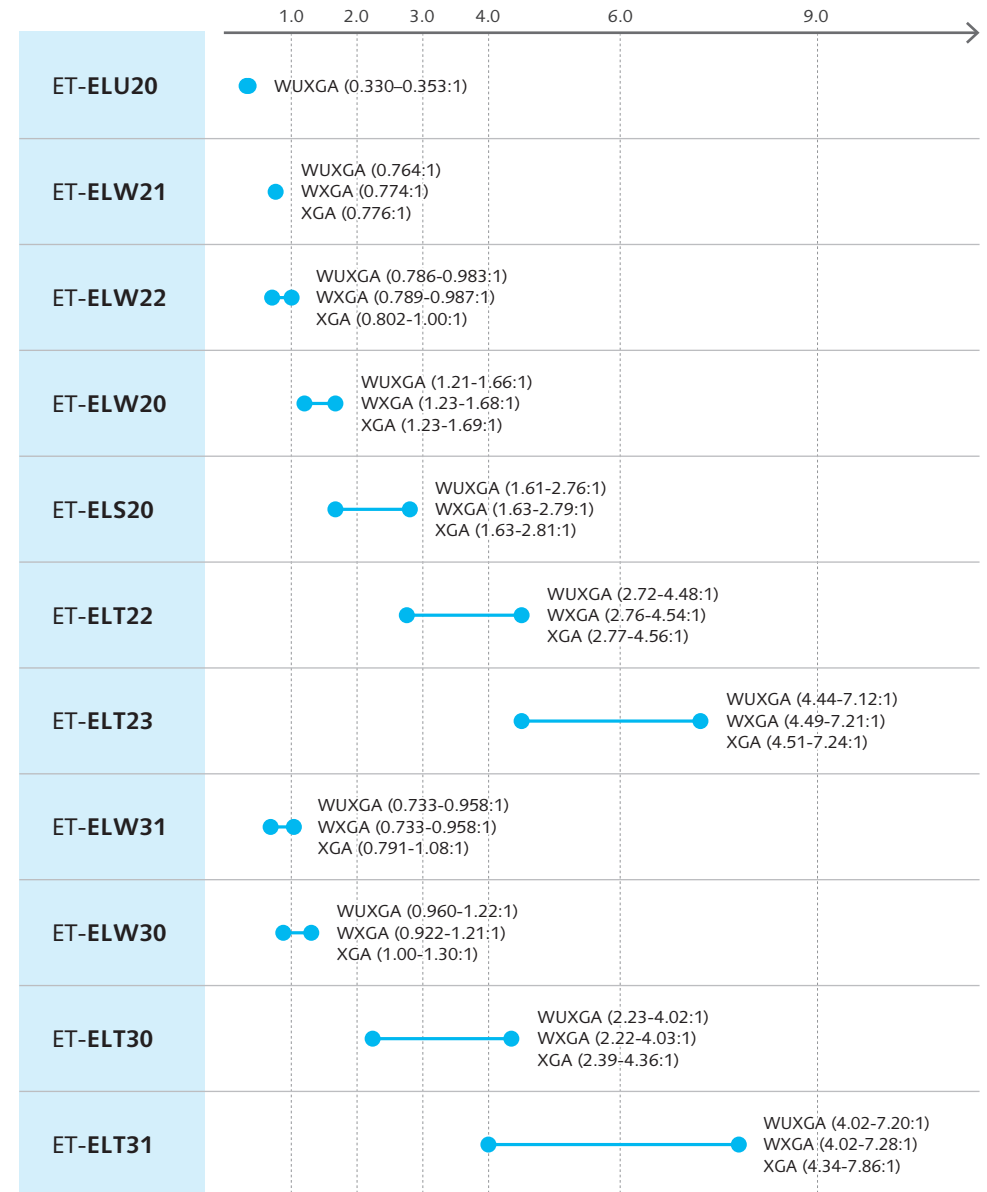
Lens type	Zoom lens (supplied lens) ²	Zoom lens	Zoom lens
Model number	ET-ELS20	ET-ELT22	ET-ELT23
F-number	1.7-2.3	1.8-2.3	1.8-2.3
Focal length	26.9-45.4 mm	45.6-73.8 mm	74.8-118.2 mm
Weight	Approx. 0.9 kg/2.0 lbs	Approx. 1.18 kg/2.6 lbs	Approx. 1.20 kg/2.6 lbs

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-MZ16KL/MZ13KL/MZ10KL.

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

Features (Large-Venue, Installation)

Features	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K	PT-RQ13K	PT-RZ12K	PT-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55	
Picture Quality																						
Detail Clarity Processor	5+	5+	5	5+	5	5+	5	5+	5	3	3	3	3	3	3	3	4	4	3	3	3	
System Daylight View	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	
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	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	
Reliability																						
24/7 operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Backup Input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
Filter-Less	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Installation																						
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																						
Mechanical Shutter	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	✓	✓ ¹	✓ ¹	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Function	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	-	-	✓ ²	✓ ²	-	-	-	-	-	✓ ²	✓ ²	-	-	-	
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-in-P	-	-	✓	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	
Emulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Software																						
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
Smart Projector Control	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Plug and Share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Presenter Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Projector Network Setup Software	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ³	✓ ³	✓ ³

1: Firmware will be available from February 2021. 2: To operate wireless function, the optional Wireless Module is required.
3: Projector Network Setup Software can be set when the main version of the firmware is 1.04 or higher.

Features	PT-MZ17K	PT-MZ14K	PT-MZ11K	PT-MZ880	PT-MZ780	PT-MZ680	PT-EZ770Z	PT-EW730Z	PT-EX800Z	PT-EZ57	PT-EZ590	PT-EW650	PT-EW550	PT-EX620	PT-EX520	PT-FZ570	PT-FW530	PT-FX500	
Picture Quality																			
Detail Clarity Processor	4	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daylight View	-	-	-	Basic	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reliability																			
24/7 operation	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Backup Input	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Filter-Less	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation																			
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	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																			
Mechanical Shutter	-	-	-	-	-	-	✓	✓	✓	-	✓	✓	-	✓	✓	-	-	-	-
Data Cloning Function	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓	✓
Wireless Function	✓ ¹	✓ ¹	✓ ¹	-	-	-	-	-	-	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-in-P	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
Emulation	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Software																			
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)

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
Picture Quality																													
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
3D Ready	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dynamic Contrast	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	
Dynamic Contrast NX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rich Color Harmonizer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rich Color Enhancer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pure White Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
240Hz content playback	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Reliability																													
24/7 operation	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Backup Input	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Filter-Less	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation																													
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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																													
Mechanical Shutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIGITAL LINK	✓	✓	✓	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wireless Function	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓	-	✓	-	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	-	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Mirroring Function	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
P-in-P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
Emulation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓	-	-	-	-
Software																													
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.

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	PT-RQ13K	PT-RZ12K
Ceiling mount bracket										
High ceiling mount bracket	ET-PKD520H	-	-	-	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD520S	-	-	-	✓	✓	✓	✓	✓	✓
Projector mount bracket	ET-PKD521B	-	-	-	✓	✓	✓	✓	✓	✓
Frame	ET-PFD510 ¹	-	-	-	-	-	-	-	✓	✓
Replacement filter unit										
Replacement filter unit	ET-EMF330	-	-	-	-	-	-	-	✓	✓
Smoke cut filter	ET-SFR330 ²	-	-	-	-	-	-	-	✓	✓
Wireless module										
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	✓	-	-
Peripheral										
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓
Software										
Early Warning Software	ET-SWA100 Series ³	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓	✓
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P ⁴	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓ ⁵	✓	✓
Interface board (SLOT NX)										
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	✓	✓	✓	-	-	-	-	-	-
Interface board (Intel® SDM)										
12G-SDI Terminal Board	TY-SB01QS	-	-	-	✓	✓	✓	✓	-	-
DIGITAL LINK Terminal Board	TY-SB01DL	-	-	-	✓	✓	✓	✓	-	-
Wireless Presentation System Receiver	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-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790		PT-RZ690	PT-FRQ60	PT-FRQ50	PT-FRZ60	PT-FRZ50	PT-FRZ55
Ceiling mount bracket														
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H ¹	✓	✓	✓	✓	✓	✓		✓	-	-	-	-	-
Bracket assembly	ET-PKD130B	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Wireless module														
Wireless module	AJ-WM50	✓	✓	-	-	-	-		-	✓	✓	-	-	-
Peripheral														
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-		-	-	-	✓	✓	✓
Software														
Early Warning Software	ET-SWA100 Series ²	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓	✓	✓	✓	✓	✓		✓	-	-	-	-	-
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P ³	✓	✓	✓	✓	✓	✓		✓	-	-	-	-	-
Interface board (SLOT NX)														
DVI-D input signal board	ET-MDNDV10	✓	✓	-	-	-	-		-	-	-	-	-	-
HDMI input signal board	ET-MDNHM10	✓	✓	-	-	-	-		-	-	-	-	-	-
12G-SDI signal board	ET-MDN12G10	✓	✓	-	-	-	-		-	-	-	-	-	-
12G-SDI optical board	ET-MDNFB10	✓	✓	-	-	-	-		-	-	-	-	-	-
DisplayPort input signal board	ET-MDNDP10	✓	✓	-	-	-	-		-	-	-	-	-	-

1: Recommended when used with the ET-DLE035.

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

3: The availability varies depending on the country.

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

Optional Accessories for LCD Projector (Installation)

Model Type	Model Number	PT-MZ17K	PT-MZ14K	PT-MZ11K	PT-MZ880	PT-MZ780	PT-MZ680	PT-EZ770Z	PT-EW730Z	PT-EX800Z	PT-EZ57	PT-EZ590	PT-EW650	PT-EW550	PT-EX620	PT-EX520	PT-FZ570	PT-FW530	PT-FX500
Replacement lamp unit																			
400 W UHM lamp x 1	ET-LAE300	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-
320 W UHM lamp x 1	ET-LAEF100	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Ceiling mount bracket																			
High ceiling mount bracket with 6-axis adjustment mechanism	ET-PKD130H ¹	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
High ceiling mount bracket	ET-PKD120H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKD120S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKE301B	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Bracket assembly	ET-PKE300B	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Replacement filter unit																			
Replacement filter unit	ET-RFE300	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Replacement filter unit	ET-RFF200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Replacement filter unit	ET-RFM100	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Wireless module																			
Wireless module	ET-WML100 ²	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Wireless module	AJ-WM50	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peripheral																			
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	-	✓	✓	✓
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓
Software																			
Early Warning Software	ET-SWA100 Series ⁴	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓ ⁵	✓ ⁵	✓ ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P ³	✓ ⁵	✓ ⁵	✓ ⁵	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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)

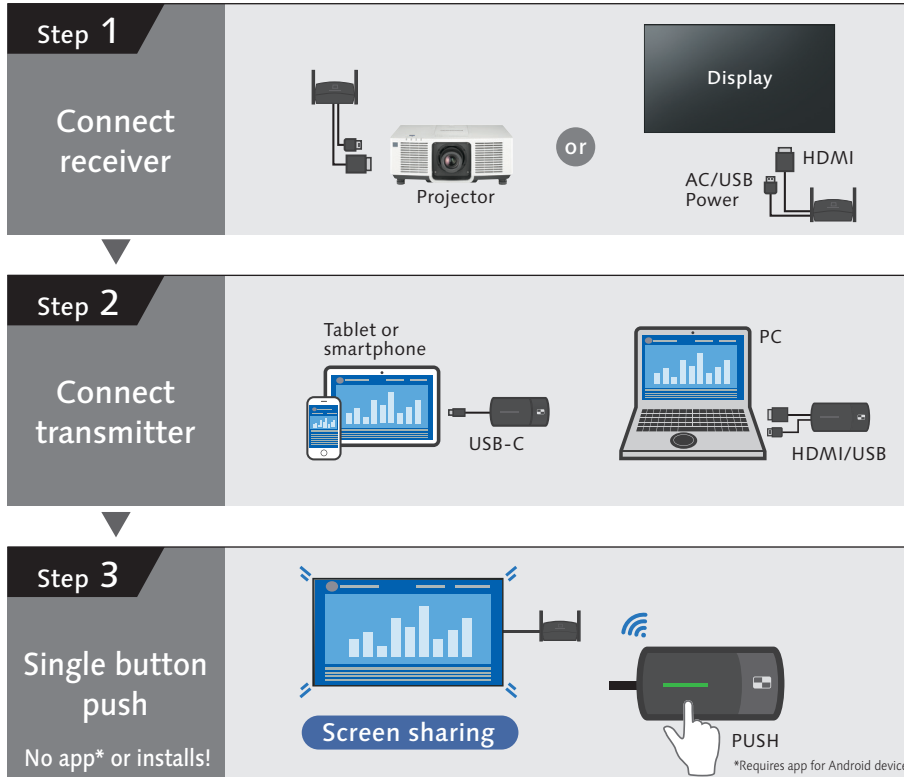
Model Type	Model Number	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420	PT-VZ585N	PT-VZ580	PT-VX615N	PT-VX610	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TMZ400	PT-TMW380	PT-TMX380	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Replacement lamp unit																														
270 W UHM lamp x 1	ET-LAV400	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAV300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAL510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓
Ceiling mount bracket																														
Bracket assembly	ET-PKV400B	✓	✓	✓	✓	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
High ceiling mount bracket	ET-PKL100H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKL100S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKL430B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKL420B	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
Replacement filter unit																														
Replacement filter unit	ET-RFV500	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV410	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFL400	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓
Replacement filter unit	ET-RFL300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓
Wireless module																														
Wireless module	ET-WML100 ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	✓	✓	✓	✓
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓
Easy wireless stick	ET-UW100	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peripheral																														
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	-	-	-
Interactive Light pen	ET-PEN100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
Interactive Pointer	ET-PNT100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓
Software																														
Early Warning Software	ET-SWA100 Series ²	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓

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

Wireless Presentation System "PressIT"

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

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



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

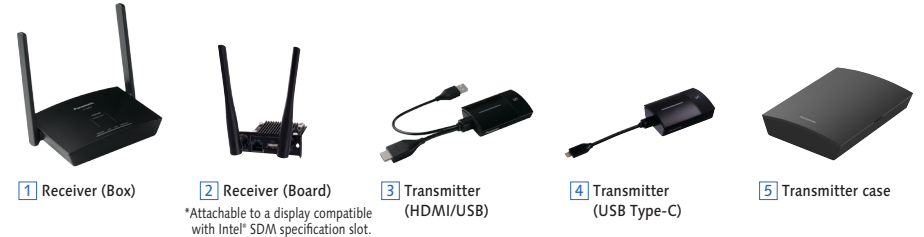
Share screen without transmitter¹

Shared from one transmitter to multiple receivers¹

¹ 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) ¹	Transmitter (HDMI)	Transmitter (USB Type-C)
Max resolution/ Frame rate	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

¹: Attachable to a display compatible with Intel® SDM specification slot.
*Case: Dimensions (W x H x D): 151.3 x 41.6 x 198.0 mm (6.0" x 1.7" x 7.8"),
Weight: Approx. 315 g / 0.7 lbs

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



360 degree camera speakerphone

NEW PressIT360

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



360 degree camera speakerphone

TY-CSP1

Camera	Viewing angle: 360-degrees Shooting resolution: 2560 x 1440@30p x 4
Microphone	7
Speaker	Output 3 W
Dimensions	Diameter φ63.4 mm/2.5" (excluding the pedestal part) x Height 285 mm/11.3"

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 φ63.4 mm (2.5 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.

Equipped with various video modes



Dual View



Single View



Multi View



Surround View



Stable View

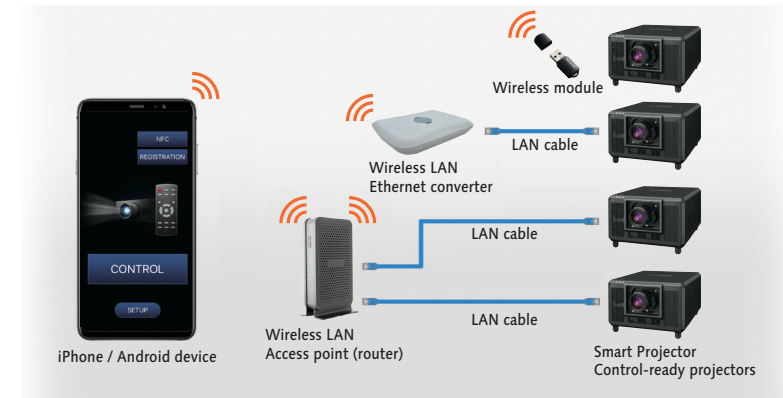
Smart Projector Control

SOFTWARE

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

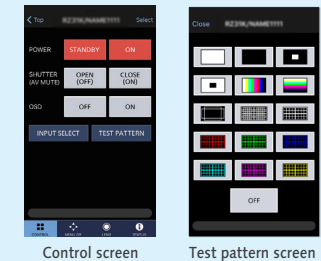
Advantages

- 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)



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/

Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability

FEATURES

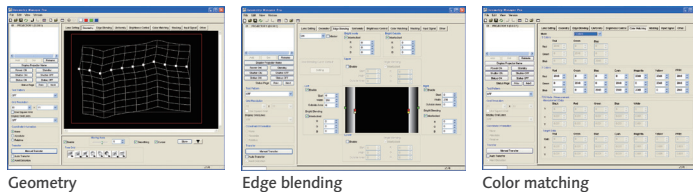
Flexible projection with a peripheral system turns image viewing into a memorable experience. Panasonic offers features that provide truly unique applications.

Geometric Adjustment (free)

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

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

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



Upgrade Kit for Geometry Manager Pro (ET-UK20)

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

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

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

Compatible Projector Models

	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K	PT-RQ13K	PT-RZ12K	PT-RCQ10	PT-RCQ80	PT-RZ120
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²
ET-CUK10/CUK10P ¹	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²	Yes ²

	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50	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	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	Yes	Yes	No	No	Yes ²	Yes ²	Yes ²	No	No	No
ET-CUK10/CUK10P ¹	Yes	Yes	Yes	Yes	No	No	Yes ²	Yes ²	Yes ²	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

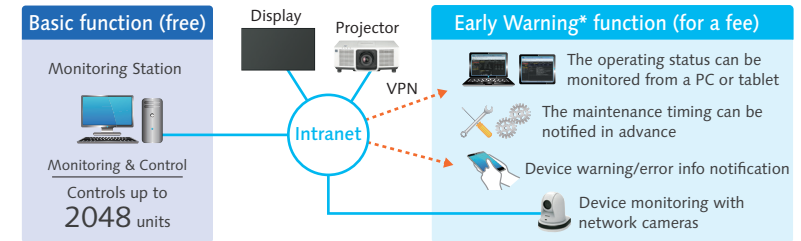
PASS (Projector & Professional Display Asset Support System)

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 Suggestion³

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.



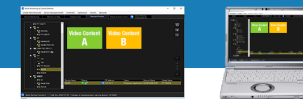
The captured image when an abnormality happens is stored

Remote Preview Function

Preview content remotely



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[®] 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/

Entertainment

Panasonic Lights Up Karrinyup Shopping Centre

Panasonic's projectors to bring to life a stunning display that transforms the Karrinyup Shopping Centre into a tourist attraction and a modern art form.



Why Choose Panasonic Projectors?

- Panasonic projectors allow for steep angles of focus while still maintaining a perfect image.
- Selected Panasonic projector models offer the best blending and image uniformity on large display areas.

Challenge

The precise mapping that the projectors offer means that detailed masking can be programmed around the tenant's windows to avoid spilling into the outlet and overriding any signage.

Solution

Four Panasonic projectors were used to ensure a complete projection.

Equipment Installed



3-Chip DLP™ projector
PT-RZ34K (x4)



Zoom lens
ET-D75LE6 (x3) and more

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



Museum / Exhibition

Tyama: Stunning Immersive AV Experience at the Melbourne Museum

46 solid state laser projectors was enough to entirely paint the 30 m x 30 m empty space.



Why Choose Panasonic Projectors?

- The projection technology was still the preferred platform on which to build our immersive future at Melbourne Museum.
- Panasonic offers a wide range of products and lenses that that give us flexibility to build a bespoke project.

Challenge

To provide a high-definition, immersive visual experience by using the system as is, even when the huge 30x30m canvas is changed to another exhibit.

Solution

46 Panasonic projectors were used to ensure a complete projection.

Equipment Installed



LCD projector
PT-MZ13K (x20)



LCD projector
PT-MZ10 (x26) and more

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



Corporate/Business

The Largest Conference Hotels in the Czech Republic, NH Collection Olomouc Congress

With the uniqueness of the interior and state of the art audio-visual equipment, it ranks among the top in Central Europe.



Why Choose Panasonic Projectors?

- Maintenance free projection up to 20,000 hours.
- Easy multi-projection setup.
- Excellent uniformity for multi-screen projection.

Challenge

Ensuring the complete equipment of the hotel with audio-visual technology at the highest technological level while respecting the design character of the interior and enabling the organization of various events.

Solution

Panasonic professional displays and projectors were selected to equip the hotel and conference rooms with visual technology.

Equipment Installed



1-Chip DLP™ Projector
PT-RZ990 (x4)



Zoom lens
ET-DLE020 (x4) and more

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



Corporate/Business

Grundfos' Stunning New Corporate Event Venue in Denmark

High performing, reliable and easy to use Panasonic LCD projectors and 4K PTZ cameras are the vital visual elements in the state-of-the-art Grundfos corporate events venue.



Why Choose Panasonic Projectors?

- Versatile projection capabilities.
- High picture quality.
- projectors could be comfortably handled by one person.

Challenge

The venue was doubling-up as an event venue and provided a modern environment capable of hosting everything from exhibitions, product presentations and staff meetings to concerts, theatre and hybrid.

Solution

Panasonic 16,000 lumen LCD projectors and 4K PTZ cameras for flexible and high-quality visuals.

Equipment Installed



LCD projector
PT-MZ16KL (x3)

Software
ET-UK20,
ET-CUK10/CUK10P
and more

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



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. HDBaseT™ 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.



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



For more information about Panasonic projectors
panasonic.net/cns/projector/
Panasonic projectors: facebook page
www.facebook.com/panasonicprojectoranddisplay/
Panasonic projectors: YouTube channel
www.youtube.com/user/PanasonicProjector

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 January 2023.

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