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PROJECTORS

Line-up Catalog May 2022



Worldwide Olympic and Paralympic Partner



Panasonic Projectors product lineup



3-Chip DLP™ Laser light source models



1-Chip DLP™ Laser light source models

LCD models

50,000 lm



● **PT-RQ50K** >P3
50,000 lm



● **PT-RQ35K** >P3
30,500 lm



● **PT-RZ34K** >P4
30,500 lm



● **PT-RQ22K** >P4
20,000 lm



● **PT-RZ21K Series** >P4
20,000 lm



● **PT-RZ16K** >P5
16,000 lm
*Available in Japan, US and restricted areas in South America.



● **PT-RQ13K** >P6
10,000 lm



● **PT-RZ12K** >P6
12,000 lm

10,000 lm

5,000 lm



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



● **PT-RZ120** >P8
12,000 lm



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



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



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



● **PT-FRZ55** >P12
5,000 lm



SOLID SHINE Series



● **PT-MZ16K Series** >P13
10,000-16,000 lm



*HDMI/DIGITAL LINK input only.



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



*HDMI/DIGITAL LINK input only.



● **PT-VMZ71 Series** >P21
4,500-7,000 lm



*HDMI/DIGITAL LINK 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** >P25
5,000-5,500 lm



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



● **PT-VZ470** >P27
4,400 lm



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



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

- Large-Venue
- Installation
- Portable
- Short Throw

Large-Venue

		PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K
						
		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 ⁶ * Lens sold separately.	20,000 lm / 21,000 lm [Center] ⁷ 4K ⁺ 6 * Lens sold separately.	20,000 lm / 21,000 lm [Center] ⁷ WUXGA ⁶ * Lens sold separately.
		   	   	   	   	   
Projector type	DLP Chip	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
	Panel size	35.1 mm (1.38 in)	24.4 mm (0.96 in)	24.4 mm (0.96 in)	22.9 mm (0.9 in)	24.4 mm (0.96 in)
Light source	Aspect ratio	17:9	16:10	16:10	16:10	16:10
	Number of pixels	8,847,360 (4,096 x 2,160) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	4,096,000 (2,560 x 1,600) pixels	2,304,000 (1,920 x 1,200) pixels
Light output		Laser diodes	Laser diodes	Laser diodes	Laser diodes	Laser diodes
Time until light output declines to 50% ¹		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
Resolution		20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)/ 26,000 hours (QUIET)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)
Contrast ratio (full on/full off)		Native 4K (4,096 x 2,160)	4K (3,840 x 2,400)	WUXGA (1,920 x 1,200)	4K ⁺ (5,120 x 3,200)	WUXGA (1,920 x 1,200)
Screen size (diagonal)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Lens shift ²		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
Filter Replacement Cycle		Vertical: ±45 % ⁸ Horizontal: ±16 % ⁸ [powered]	Vertical: ±55 % ¹² Horizontal: ±20 % ¹² [powered]	Vertical: ±55 % ¹² Horizontal: ±20 % ¹² [powered]	Vertical: ±59 % ¹³ Horizontal: ±29 % ¹³ [powered]	Vertical: ±55 % ¹² Horizontal: ±20 % ¹² [powered]
Terminals		- [No filter]	- [No filter]	- [No filter]	- [No filter]	- [No filter]
Power supply		Multi Projector SYNC in [BNC x 1] Multi Projector SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))] USB [USB type-A x 1, for USB Memory Stick / Wireless Module (AJ-WM50) Slot 1 [Pre-installed with ET-MDN12G10] Slot 2 [Vacant for compatible SLOT NX boards (optional)]	HDMI in [HDMI 19-pin x 1] Multi Projector SYNC in [BNC x 1] Multi Projector SYNC out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA))] Slot 1/2 [Vacant for compatible input boards, SLOT NX compatible (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] 3D SYNC 1 in/out / Multi Projector Sync in [BNC x 1] 3D SYNC 2 out / Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 2] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 mA))] Slot 1 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)] Multi Projector Sync in [BNC x 1] Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))] Slot 1/2 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] 3D SYNC in/out / Multi Projector Sync in [BNC x 1] 3D SYNC out / Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))]
Maximum power consumption		100-240 V AC, 50/60 Hz ⁹	100-240 V AC, 50/60 Hz ⁹	100-240 V AC, 50/60 Hz ⁹	200-240 V AC, 8.5 A, 50/60 Hz ¹⁴	200-240 V AC, 50/60 Hz ¹⁴
BTU value		4,100 W	2,550 W	2,450 W	1,650 W	1,510 W
Operation noise		Max. 13,560 BTU	Max. 8,713 BTU	Max. 8,371 BTU	Max. 5,364 BTU	Max. 5,159 BTU
Dimensions (W x H ³ x D ⁴)		52 dB	49 dB (Normal)/46 dB (Quiet)	49 dB (Normal)/46 dB (Quiet)	46 dB	46 dB
Weight ⁵		720 x 445 x 1070 mm (28-11/32 x 17-9/16 x 42-1/8 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	598 x 353 x 780 mm (23-17/32 x 13-29/32 x 30-23/32 in)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)
Optional accessories		Approx. 126 kg/278 lbs	Approx. 69.8 kg/154 lbs	Approx. 68.6 kg/152 lbs	Approx. 54.0 kg/119 lbs	Approx. 49.0 kg/108 lbs
Optional lens		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-MDNV10 (DVI-D Input Board) ET-MDNV10 (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-MDNV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNV10 (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-MDNV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board) ET-MDNV10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board) ET-NUK10 (NFC Upgrade Kit) ¹⁰	ET-PKDS20H (High ceiling mount bracket) ET-PKDS20S (Low ceiling mount bracket) ET-PKDS20B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board) ET-MDNV10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKDS20H (High ceiling mount bracket) ET-PKDS20S (Low ceiling mount bracket) ET-PKDS20B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNFB10 (12G-SDI Optical Input Board)

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

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

Large-Venue

		PT-RS20K	PT-RZ16K ¹⁰	PT-RQ13K	PT-RZ12K
		 20,000 lm / 21,000 lm [Center] ⁶ SXGA+ * Lens sold separately.     	 16,000 lm / 16,800 lm [Center] ⁶ WUXGA * Lens sold separately.     	 10,000 lm 4K* ¹² * Lens sold separately.     	 12,000 lm WUXGA * Lens sold separately.     
Projector type	DLP Chip	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
	Panel size	24.1 mm (0.95 in)	24.4 mm (0.96 in)	22.9 mm (0.9 in)	24.4 mm (0.96 in)
Light source	Aspect ratio	4:3	16:10	16:10	16:10
	Number of pixels	1,470,000 (1,400 x 1,050) pixels	2,304,000 (1,920 x 1,200) pixels	4,096,000 (2,560 x 1,600) pixels	2,304,000 (1,920 x 1,200) pixels
Light output	Light source	Laser diodes	Laser diodes	Laser diodes	Laser diodes
	Time until light output declines to 50% ¹	20,000 lm / 21,000 lm [Center] ⁶ 20,000 hours [NORMAL]/ 24,000 hours [ECO]	16,000 lm / 16,800 lm [Center] ⁶ 20,000 hours [NORMAL]/ 24,000 hours [ECO]	10,000 lm 20,000 hours [NORMAL]/24,000 hours [ECO]/ 43,000 hours [LONG LIFE1]/61,000 hours [LONG LIFE2]/ 87,000 hours [LONG LIFE3]	12,000 lm 20,000 hours [NORMAL]/24,000 hours [ECO]/ 43,000 hours [LONG LIFE1]/61,000 hours [LONG LIFE2]/ 87,000 hours [LONG LIFE3]
Resolution	Resolution	SXGA+ (1,400 x 1,050)	WUXGA (1,920 x 1,200)	4K* (5,120 x 3,200)	WUXGA (1,920 x 1,200)
	Contrast ratio (full on/full off)	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)	Screen size (diagonal)	1.78-25.4 m (70-1,000 in) ⁷	1.78-25.4 m (70-1,000 in) ⁷	1.78-25.4 m (70-1,000 in) ⁷	1.78-25.4 m (70-1,000 in) ⁷
	Lens shift ²	Vertical: ±50 % ⁸ , Horizontal: ±30 % ⁸ (powered)	Vertical: ±55 % ¹¹ , Horizontal: ±20 % ¹¹ (powered)	Vertical: ±59 % ¹³ , Horizontal: ±29 % ¹³ (powered)	Vertical: ±55 % ¹¹ , Horizontal: ±20 % ¹¹ (powered)
Filter Replacement Cycle	Filter Replacement Cycle	- (No filter)	- (No filter)	20,000 hours	20,000 hours
	Terminals	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] 3D SYNC in/out / Multi Projector Sync in [BNC x 1] 3D SYNC out / Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] 3D SYNC in/out / Multi Projector Sync in [BNC x 1] 3D SYNC out / Multi Projector Sync out [BNC x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 2 (for power supply (DC 5 V, up to 2 A))]	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI, Quad-link 3G/HD-SDI)] FRAME SYNC in/out [BNC x 1 (Frame-synchronizing timing signal)] FRAME SYNC out [BNC x 1 (Frame-synchronizing timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] Slot 1/2 [Vacant for compatible SLOT NX boards (optional)]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link 3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] Serial in [D-sub 9-pin x 1 (RS-232C)] Serial out [D-sub 9-pin x 1] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
Power supply	Power supply	200-240 V AC, 50/60 Hz ⁹	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
	Maximum power consumption	1,510 W	1,100 W	1,270 W	1,200 W
BTU value	BTU value	Max. 5,159 BTU	Max. 3,755 BTU	Max. 4,334 BTU	Max. 4,096 BTU
	Operation noise	46 dB	42 dB	46 dB	43 dB
Dimensions (W x H ³ x D ⁴)	Dimensions (W x H ³ x D ⁴)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)	598 x 270 x 725 mm (23-17/32 x 10-5/8 x 28-17/32 in)	578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 in)	578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 in)
	Weight ⁵	Approx. 49.0 kg/108 lbs	Approx. 49.0 kg/108 lbs	Approx. 49 kg/108 lbs	Approx. 44.0 kg/97 lbs
Optional accessories	Optional accessories	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10/PLF20 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNV10 (DVI-D Input Board) ET-MDNH10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
Optional lens	Optional lens	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)	Yes (see the Optional Lenses page: P35)

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

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

FEATURES

Smart Projector Control



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

NFC Function

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



*Featured image: PT-RQ50K

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

See page 62 for the basic information
Smart Projector Control detail page:

>>> panasonic.net/cns/projector/download/application/smartpj/

Installation

		PT-RCQ10 PT-RCQ10L ⁶	PT-RCQ80 PT-RCQ80L ⁶	PT-RZ120 PT-RZ120L ⁶	PT-RZ990 PT-RZ990L ⁶	PT-RZ890 PT-RZ890L ⁶
		 10,000 lm / 10,500 lm [Center] ⁷ 2715 x 1697 dots * Available in black/white cabinet.	 8,000 lm / 8,400 lm [Center] ⁷ 2715 x 1697 dots * Available in black/white cabinet.	 12,000 lm / 12,600 lm [Center] ⁷ WUXGA * Available in black/white cabinet.	 9,400 lm / 10,000 lm [Center] ⁷ WUXGA * Available in black/white cabinet.	 8,500 lm / 8,800 lm [Center] ⁷ WUXGA * Available in black/white cabinet.
		  	  	  	  	  
Projector type	DLP chip	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
	Panel size	17.0 mm [0.67 in]	17.0 mm [0.67 in]	17.0 mm [0.67 in]	17.0 mm [0.67 in]	17.0 mm [0.67 in]
Light source	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) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit] ET-NUK10 (NFC Upgrade Kit) ¹² ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit] ET-NUK10 (NFC Upgrade Kit) ¹² ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) ET-MDNDP10 (DisplayPort Input Board) ET-MDNFB10 (12G-SDI Optical Input Board)	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit]	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit]	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit]
Optional lens		Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)

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

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

Installation

PT-RZ790 PT-RZ790L⁶



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



PT-RZ690 PT-RZ690L⁶



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	Laser diode
Light output		7,000 lm / 7,200 lm [Center] ⁸	6,000 lm / 6,200 lm [Center] ⁸
Time until light output declines to 50%¹		20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		10,000:1	10,000:1
Screen size (diagonal)		1.27-15.24 m [50-600 in] ⁹	1.27-15.24 m [50-600 in] ⁹
Lens (throw ratio)		F 1.7-1.9, f25.6-35.7 mm [1.71-2.41:1] (PT-RZ790)	F 1.7-1.9, f25.6-35.7 mm [1.71-2.41:1] (PT-RZ690)
Lens shift²		Vertical: +50 %/-16 %, Horizontal: +30 % ¹⁰ /-10 % (powered)	Vertical: +50 %/-16 %, Horizontal: +30 % ¹⁰ /-10 % (powered)
Filter Replacement Cycle		- [No filter]	- [No filter]
Terminals		SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in/out [M3 x 2] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] LAN [RJ-45 x 1]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		630 W	565 W
BTU value		Max. 2,151 BTU	Max. 1,929 BTU
Operation noise		36 dB (NORMAL)/35 dB (QUIET)	36 dB (NORMAL)/35 dB (QUIET)
Dimensions (W x 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]
Weight⁵		Approx. 22.1 kg/48.7 lbs [21.3 kg/47.0 lbs ⁶]	Approx. 22.1 kg/48.7 lbs [21.3 kg/47.0 lbs ⁶]
Optional accessories		ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit]	ET-PKD130H (High ceiling mount bracket) ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit]
Optional lens		Yes (see the Optional Lenses page: P37)	Yes (see the Optional Lenses page: P37)

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!

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



Adjust from your smartphone

See page 62 for the basic information

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

Geometric Adjustment with Free Grid Correction

Free Grid simplifies operation of Geometric Adjustment.

Using only the projector remote control, installers can correct image distortion caused by uneven surfaces or irregular objects on flat or curved screens. A grid is overlaid on the projected image, allowing users to reshape distorted areas by adjusting the position of node or V/H line control-points.

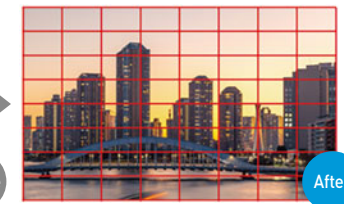
Grids of between 2 x 2 and 17 x 17 lines are selectable according to required granularity, and work progress is saved automatically so you can move freely between grid resolutions. Free Grid approaches the precision and convenience of software-based solutions in situations where PC connection isn't practical.



Remote Control



Easy Adjustment via Remote Control



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

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

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	20,000 hours	20,000 hours
Resolution		4K (3,840 x 2,160)	4K (3,840 x 2,160)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)	1.02-7.62 m (40-300 in)
Lens (throw ratio)		F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.93:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	Fixed zoom/Auto Focus Lenses (Short throw) (0.8:1)
Lens shift ²		Vertical: +71 %/-48 %, Horizontal: +34 % ⁸ /-27 % (powered)	Vertical: +71 %/-48 %, Horizontal: +34 % ⁸ /-27 % (powered)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: +64 %/-44 %, Horizontal: +34 %/-27 % (manual)	Vertical: ±4.4 %, Horizontal: ±2.1 % (powered)
Filter Replacement Cycle		- (No filter)	- (No filter)	- (No filter)	- (No filter)	- (No filter)
Terminals		HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [DC OUT] [USB type-A x 1]	HDMI in 1/2 [HDMI 19-pin x 2] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [DC OUT] [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]	Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] HDMI 1/2 in [HDMI 19-pin x 2] Video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L, R)] Audio in 2/3 [M3 x 2] Variable audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] DC OUT [USB type-A x 1]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		505 W	480 W	540 W	465 W	465 W
BTU value		Max. 1,775 BTU	Max. 1,640 BTU	Max. 1,843 BTU	Max. 1,587 BTU	Max. 1,587 BTU
Operation noise		36 dB (NORMAL/ECO)/31 dB (QUIET)	35 dB (NORMAL/ECO)/28 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)	32 dB (NORMAL)/27 dB (QUIET)
Dimensions (W x H ³ x D)		498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 492 mm (19-5/8 x 6-5/8 x 19-3/8 in)	498 x 168 x 481 mm (19-5/8 x 6-5/8 x 18-15/16 in)
Weight ⁴		Approx. 16.4 kg/36.2 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.1 kg/35.5 lbs	Approx. 16.0 kg/35.3 lbs	Approx. 16.4 kg/36.2 lbs
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module) TY-WPS1 (Wireless Presentation System)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV [D-sub/S-VIDEO Conversion Cable]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV [D-sub/S-VIDEO Conversion Cable]	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKD130B [Attachment for ceiling mount bracket] ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-ADSV [D-sub/S-VIDEO Conversion Cable]
Optional lens		-	-	-	-	-

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

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

Installation

		PT-MZ16KL	PT-MZ13KL	PT-MZ10KL	PT-MZ880	PT-MZ780
		 16,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.	 13,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.	 10,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.	 8,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.	 7,000 lm WUXGA * Lens sold separately.* Available in black/white cabinet.
		   	   	   	   	   
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	25.4 mm (1.0 in)	25.4 mm (1.0 in)	25.4 mm (1.0 in)	19.3 mm (0.76 in)	19.3 mm (0.76 in)
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels x 3
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		16,000 lm	13,000 lm	10,000 lm	8,000 lm	7,000 lm
Time until light output declines to 50% ¹		20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)	20,000 hours (NORMAL/QUIET)/ 24,000 hours (ECO)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Screen size (diagonal)		2.03-12.7 m (80-500 in)	2.03-12.7 m (80-500 in)	2.03-12.7 m (80-500 in)	1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in)
Lens (throw ratio)		Optional zoom lens and fixed-focus lens	Optional zoom lens and fixed-focus lens	Optional zoom lens and fixed-focus lens	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)
Lens shift ²		Vertical: ±60 % ⁵ , Horizontal: ±20 % ⁵ (powered)	Vertical: ±60 % ⁵ , Horizontal: ±20 % ⁵ (powered)	Vertical: ±60 % ⁵ , Horizontal: ±20 % ⁵ (powered)	Vertical: ±67 % ⁸ , Horizontal: ±35 % ⁸ (powered)	Vertical: ±67 % ⁸ , Horizontal: ±35 % ⁸ (powered)
Filter Replacement Cycle		20,000 hours	20,000 hours	20,000 hours	20,000 hours	20,000 hours
Terminals		SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]	SDI in [BNC x 1 (3G/HD-SDI)] HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] RGB 1 in [D-sub HD 15-pin x 1] Serial/Multi Projector Sync in [D-sub 9-pin x 1 (RS-232C)] Serial/Multi Projector Sync out [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] Remote out [M3 x 1] LAN [RJ-45 x 1] DIGITAL LINK/Art-net [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		1,050 W	800 W	640 W	490 W	435 W
BTU value		Max. 3,412 BTU	Max. 2,525 BTU	Max. 1,945 BTU	Max. 1,675 BTU	Max. 1,485 BTU
Operation noise		38 dB (NORMAL)/32 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	35 dB (NORMAL)/30 dB (QUIET)	34 dB (NORMAL/ECO)/ 27 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)
Dimensions (W x H ³ x D)		650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	650 x 185 x 440 mm (25-19/32 x 8-5/16 x 17-21/64 in)	561 x 190 x 437 ⁹ mm (22-3/32 x 7-15/32 x 17-7/32 ⁹ in)	561 x 190 x 437 ⁹ mm (22-3/32 x 7-15/32 x 17-7/32 ⁹ in)
Weight ⁴		Approx. 22.3 kg/49.2 lbs	Approx. 22.3 kg/49.2 lbs	Approx. 22.3 kg/49.2 lbs	Approx. 18.6 kg/41.0 lbs	Approx. 18.6 kg/41.0 lbs
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B [Attachment for ceiling mount bracket] ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit] ET-NUK10 (NFC Upgrade Kit) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B [Attachment for ceiling mount bracket] ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit] ET-NUK10 (NFC Upgrade Kit) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B [Attachment for ceiling mount bracket] ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P [Auto Screen Adjustment Upgrade Kit] ET-NUK10 (NFC Upgrade Kit) ⁶	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B [Attachment for ceiling mount bracket] ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B [Attachment for ceiling mount bracket] ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Optional lens		Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P39)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)

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

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

Installation

		PT-MZ680	PT-EZ770Z PT-EZ770ZL ⁸	PT-EW730Z PT-EW730ZL ⁸	PT-EX800Z PT-EX800ZL ⁸
		 6,000 lm WUXGA 	 6,500 lm WUXGA 	 7,000 lm WXGA 	 7,500 lm XGA 
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	19.3 mm (0.76 in)	19.0 mm (0.76 in)	19.0 mm (0.76 in)	20.0 mm (0.79 in)
	Aspect ratio	16:10	16:10	16:10	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels x 3	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source		Laser diode	400 W UHM Lamp	400 W UHM Lamp	400 W UHM Lamp
Light output		6,000 lm	6,500 lm	7,000 lm	7,500 lm
Time until light output declines to 50%¹		20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)	3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2)	3,000 hours (NORMAL)/4,000 hours (ECO1)/4,500 hours (ECO2)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		3,000,000:1	5,000:1	5,000:1	5,000:1
Screen size (diagonal)		1.02-10.16 m (40-400 in)	1.02-10.16 m (40-400 in) ⁹	1.02-10.16 m (40-400 in) ⁹	1.02-10.16 m (40-400 in) ⁹
Lens (throw ratio)		F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1)	F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EZ770Z)	F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EW730Z)	F 1.7-2.3, f 26.9-45.4 mm (1.7-2.8:1) (PT-EX800Z)
Lens shift²		Vertical: ±67 % ⁶ , Horizontal: ±35 % ⁶ (powered)	Vertical: ±60 % ⁶ , Horizontal: ±10 % (powered)	Vertical: ±60 % ⁶ , Horizontal: ±10 % (powered)	Vertical: ±50 % ⁶ , Horizontal: ±10 % (powered)
Filter Replacement Cycle		20,000 hours	15,000 hours	15,000 hours	15,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 3] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Serial/Multi Sync in [D-sub 9-pin x 1 (RS-232C)] Multi Sync out [D-sub 9-pin x 1] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] Audio in [M3 x 1] Audio out [M3 x 1] DIGITAL LINK/LAN [RJ-45 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply (DC 5 V, up to 2 A))]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1] DVI-D in [DVI-D 24-pin x 1] DisplayPort in [DP-20P x 1] RGB 1 in [D-sub HD 15-pin x 1] RGB 2 in [BNC x 5] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		360 W	590 W	575 W	575 W
BTU value		Max. 1,230 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU
Built-in speaker		-	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		32 dB (NORMAL/ECO)/ 26 dB (QUIET)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)
Dimensions (W x 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)
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)
Replacement lamp		ET-LAE300	ET-LAE300	ET-LAE300	ET-LAE300
Optional accessories		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RFM100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Optional lens		Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)	Yes (see the Optional Lenses page: P41)

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

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

Installation

		PT-EZ590 PT-EZ590L ⁵	PT-EW650 PT-EW650L ⁵	PT-EW550 PT-EW550L ⁵	PT-EX620 PT-EX620L ⁵	PT-EX520 PT-EX520L ⁵
		 5,400 lm WUXGA  	 5,800 lm WXGA  	 5,000 lm WXGA 	 6,200 lm XGA  	 5,300 lm XGA 
Projector type	LCD panel	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
Light source	Aspect ratio	16:10	16:10	16:10	4:3	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light output		320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp	320 W UHM Lamp
Time until light output declines to 50%¹		5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
Resolution		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)
Contrast ratio (full on/full off)		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)
Screen size (diagonal)		10,000:1	10,000:1	2,000:1	10,000:1	2,000:1
Lens shift		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)
Filter Replacement Cycle		F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f 17.1-31.7 mm (1.22-2.26:1) (PT-EW550)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1) (PT-EX620)	F 1.6-2.2, f 17.1-31.7 mm (1.32-2.44:1) (PT-EX520)
Installation		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)
Terminals		15,000 hours	15,000 hours	15,000 hours	15,000 hours	15,000 hours
Wireless Module connecting		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Power supply		HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]	HDMI in [HDMI 19-pin x 1] RGB 1 in [BNC x 5] RGB 2 in [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] DC out [USB type-A x 1 (for power supply [DC 5 V, up to 900 mA])] Wireless Module connecting [USB type-A x 1 (for ET-WML100 ⁷)]
Maximum power consumption		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
BTU value		484 W	461 W	461 W	461 W	461 W
Built-in speaker		Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU
Operation noise		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Dimensions (W x H² x D³)		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)
Weight⁴		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)
Replacement lamp		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)
Optional accessories		ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100
Optional lens		ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless Module) ⁷	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-WML100 (Wireless Module) ⁷

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 panel	LCD Projector	LCD Projector	LCD Projector
Light source	Panel size	16.3 mm [0.64 in]	16.3 mm [0.64 in]	16.0 mm [0.63 in]
Light output	Aspect ratio	16:10	16:10	4:3
Time until light output declines to 50%¹	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
Resolution	Light source	270 W UHM Lamp	270 W UHM Lamp	270 W UHM Lamp
Contrast ratio (full on/full off)	Light output	4,500 lm	4,500 lm	5,000 lm
Screen size (diagonal)	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)
Lens (throw ratio)	Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Lens shift	Contrast ratio (full on/full off)	10,000:1	10,000:1	10,000:1
Filter Replacement Cycle	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]
Installation	Lens (throw ratio)	F 1.6-2.2, f 17.1-31.7 mm [1.22-2.26:1]	F 1.6-2.2, f 17.1-31.7 mm [1.22-2.26:1]	F 1.6-2.2, f 17.1-31.7 mm [1.32-2.44:1]
Terminals	Lens shift	Vertical: ±60 %, Horizontal: ±30 % [powered]	Vertical: ±60 %, Horizontal: ±30 % [powered]	Vertical: ±50 %, Horizontal: ±30 % [powered]
Power supply	Filter Replacement Cycle	16,000 hours	16,000 hours	16,000 hours
Maximum power consumption	Installation	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
BTU value	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)]
Built-in speaker	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
Operation noise	Maximum power consumption	413 W	400 W	400 W
Dimensions (W x H² x D³)	BTU value	Max. 1,410 BTU	Max. 1,365 BTU	Max. 1,365 BTU
Weight⁴	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Replacement lamp	Operation noise	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)
Optional accessories	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	Weight⁴	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs
Replacement lamp	Replacement lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100
Optional accessories	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

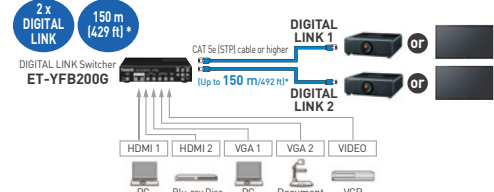
Cost Effective

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

Flexible Expandability with ET-YFB200G

DIGITAL LINK Switcher ET-YFB200G (Optional)



2 x DIGITAL LINK 150 m (492 ft) * CAT 5e (STP) cable or higher Up to 150 m (492 ft) DIGITAL LINK 1 DIGITAL LINK 2

For Classrooms, Meeting rooms, Retail outlets, etc.

Simple One-to-One Connection with ET-YFB100G

Digital Interface Box ET-YFB100G (Optional)



DIGITAL Interface Box ET-YFB100G CAT 5e (STP) cable or higher (Up to 100 m/328 ft)

*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 "Specification" column of the Feature Compatibility Chart on page 43 to 48.

Portable

		PT-VMZ71   	PT-VMZ61   	PT-VMZ51   	PT-VMZ51S   	PT-VMZ41   
		  * Available in black/white cabinet.	  * Available in black/white cabinet.	 	 	 
		  	  	  	  	  
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
DLP chip/ LCD panel	Panel size	16.3 mm [0.64 in]	16.3 mm [0.64 in]	16.3 mm [0.64 in]	16.3 mm [0.64 in]	16.3 mm [0.64 in]
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Number of pixels	2,304,000 [1,920 x 1,200] pixels	2,304,000 [1,920 x 1,200] pixels	2,304,000 [1,920 x 1,200] pixels	2,304,000 [1,920 x 1,200] pixels	2,304,000 [1,920 x 1,200] pixels
Light source		Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light output		7,000 lm	6,200 lm	5,200 lm	5,200 lm	4,500 lm
Time until light output declines to 50%		20,000 hours [NORMAL] ³	20,000 hours [NORMAL] ³	20,000 hours [NORMAL] ³	20,000 hours [NORMAL] ³	20,000 hours [NORMAL] ³
Resolution		WUXGA [1,920 x 1,200]	WUXGA [1,920 x 1,200]	WUXGA [1,920 x 1,200]	WUXGA [1,920 x 1,200]	WUXGA [1,920 x 1,200]
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Screen size (diagonal)		0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]	F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]	F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]	F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]	F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]
Lens shift		Vertical: +44 %, Horizontal: ±20 % [manual]	Vertical: +44 %, Horizontal: ±20 % [manual]	Vertical: +44 %, Horizontal: ±20 % [manual]	Vertical: +44 %, Horizontal: ±20 % [manual]	Vertical: +44 %, Horizontal: ±20 % [manual]
Filter Replacement Cycle		20,000 hours	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	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]]	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	100-240 V AC, 50/60 Hz
Maximum power consumption		420 W	370 W	305 W	300 W	300 W
Built-in speaker		10.0 W [monaural]	10.0 W [monaural]	10.0 W [monaural]	10.0 W [monaural]	10.0 W [monaural]
Operation noise		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]	36 dB [NORMAL/ECO]/26 dB [QUIET]
Dimensions [W x H¹ 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)	399 x 133 x 348 mm (15-23/32 x 5-1/4 x 13-11/16 in)
Weight²		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	Approx. 6.5 kg/14.3 lbs
Replacement lamp		- [No lamp]	- [No lamp]	- [No lamp]	- [No lamp]	- [No lamp]
Optional accessories		ET-PKL100H [High ceiling mount bracket] ET-PKL100S [Low ceiling mount bracket] ET-PKV400B [Bracket assembly] ET-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] AJ-WM50 [Wireless Module]	ET-PKL100H [High ceiling mount bracket] ET-PKL100S [Low ceiling mount bracket] ET-PKV400B [Bracket assembly] ET-RFV500 [Replacement filter unit] AJ-WM50 [Wireless Module]

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

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

Portable

PT-VMW61

NEW



6,200 lm

WXGA



PT-VMW51

NEW



5,200 lm

WXGA



Projector type		LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm [0.64 in]	16.3 mm [0.64 in]
	Aspect ratio	16:10	16:10
	Number of pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels
Light source		Laser diode	Laser diode
Light output		6,200 lm	5,200 lm
Time until light output declines to 50%		20,000 hours (NORMAL) ⁵	20,000 hours (NORMAL) ⁵
Resolution		WXGA (1,280 x 800)	WXGA (1,280 x 800)
Contrast ratio (full on/full off)		3,000,000:1	3,000,000:1
Screen size (diagonal)		0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]	F 1.60-2.12, f 15.30-24.64 mm [1.09-1.77:1]
Lens shift		Vertical: +44 %, Horizontal: ±20 % (manual)	Vertical: +44 %, Horizontal: ±20 % (manual)
Filter Replacement Cycle		20,000 hours	20,000 hours
Installation		Ceiling/floor, front/rear, free 360-degree installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals		HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/power supply [DC 5 V, up to 2 A]/optional Wireless Module)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1/2 in [D-sub HD 15-pin x 2] Audio in 1/2 [M3 x 2] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/power supply [DC 5 V, up to 2 A]/optional Wireless Module)]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		370 W	305 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)
Operation noise		36 dB (NORMAL/ECO)/26 dB (QUIET)	36 dB (NORMAL/ECO)/26 dB (QUIET)
Dimensions (W x H¹ 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)
Weight²		Approx. 6.9 kg/15.2 lbs	Approx. 6.5 kg/14.3 lbs
Replacement lamp		- (No lamp)	- (No lamp)
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV500 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) AJ-WM50 (Wireless Module)

Why Choose a Panasonic Wireless Projector?

FEATURES

Panasonic's wireless projectors are designed for easy operation, and their multi-device and multi-connection capabilities give them advanced functions that greatly expand their usage.

Useful Wireless Apps⁶

Wireless Projector for iOS / Android For iOS For Android

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

Moderator Mode and Cut-In Function Supported by Mirroring/Plug and Share/Wireless Manager.

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

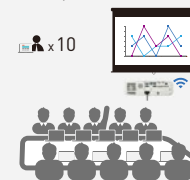
Exclusive

One device connected to prevent interruptions to solo presentations.



Interactive

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



Moderated

The chairperson controls media display permission for up to 10 participants.



Wireless Projection by Optional Module (AJ-WM50)⁷

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



Presenter Light Software For Win

This application, supporting Windows computers, allows you to transfer images and audio to the projector via the wired LAN/wireless LAN.

Convenient Wireless Features⁶

Mirroring — Full-screen Wireless Playback For Win For Android

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

Panasonic's Original Software⁶

Plug and Share For Win For Mac

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



Wireless Manager ME Software For Win For Mac

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

The light source's lifetime may be shortened due to environmental conditions and operating mode.

⁶: For compatible models, see the "Function" and "Software" columns of the Feature Compatibility Chart on page 43 to 48.

⁷: For compatible models, see the "Wireless Module" column of the Optional Accessories Chart on page 49 to 56.

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 and DIGITAL LINK terminal. 4: The optional Wireless Module is required. 5: After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from).

Portable

		PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
		 5,000 lm WUXGA 	 5,000 lm WUXGA 	 5,500 lm WXGA 	 5,500 lm WXGA 	 5,500 lm XGA 
Projector type		LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
LCD panel	Panel size	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.3 mm (0.64 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	16:10	16:10	4:3
	Number of pixels	2,304,000 (1,920 x 1,200) pixels	2,304,000 (1,920 x 1,200) pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels
Light source		280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp	280 W UHM Lamp
Light output		5,000 lm	5,000 lm	5,500 lm	5,500 lm	5,500 lm
Time until light output declines to 50%¹		5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)	5,000 hours (NORMAL)/6,000 hours (ECO1)/7,000 hours (ECO2)
Resolution		WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		16,000:1	16,000:1	16,000:1	16,000:1	16,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77:1)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76:1)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90:1)
Lens shift		Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +40 % (manual)
Filter Replacement Cycle		7,000 hours	7,000 hours	7,000 hours	7,000 hours	7,000 hours
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Pairing)] USB [USB type-B x 1 (for USB display)]
Power supply		120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)
Maximum power consumption		400 W (North America), 410 W (other countries)	400 W (North America), 410 W (other countries)	385 W (North America), 400 W (other countries)	385 W (North America), 400 W (other countries)	385 W (North America), 400 W (other countries)
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)
Dimensions (W x 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)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)	389 x 125 x 332 mm (15-5/16 x 4-29/32 x 13-1/16 in)
Weight³		Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs
Replacement lamp		ET-LAV400	ET-LAEF100	ET-LAV400	ET-LAV400	ET-LAV400
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)

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

Portable

PT-VX610



5,500 lm XGA

PT-VZ470⁴



4,400 lm WUXGA

PT-VW360



4,000 lm WXGA



PT-VX430



4,500 lm XGA



PT-LW376



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]	16.3 mm [0.64 in]	15.0 mm [0.59 in]	16.0 mm [0.63 in]	15.0 mm [0.59 in]
	Aspect ratio	4:3	16:10	16:10	4:3	16:10
	Number of pixels	786,432 [1,024 x 768] pixels	2,304,000 [1,920 x 1,200] pixels	1,024,000 [1,280 x 800] pixels	786,432 [1,024 x 768] pixels	1,024,000 [1,280 x 800] pixels
Light source		280 W UHM Lamp	270 W UHM Lamp	240 W UHM Lamp	240 W UHM Lamp	230 W UHM Lamp
Light output		5,500 lm	4,400 lm	4,000 lm	4,500 lm	3,600 lm
Time until light output declines to 50%¹		5,000 hours [NORMAL]/6,000 hours [ECO1]/7,000 hours [ECO2]	5,000 hours [NORMAL]/7,000 hours [ECO]	5,000 hours [NORMAL]/7,000 hours [ECO]	5,000 hours [NORMAL]/7,000 hours [ECO]	10,000 hours [NORMAL]/20,000 hours [ECO]/10,000 hours [QUIET]
Resolution		XGA [1,024 x 768]	WUXGA [1,920 x 1,200]	WXGA [1,280 x 800]	XGA [1,024 x 768]	WXGA [1,280 x 800]
Contrast ratio (full on/full off)		16,000:1	10,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]	0.76-7.62 m [30-300 in]
Lens (throw ratio)		F 1.60-1.90, f 15.31-24.64 mm [1.17-1.90:1]	F 1.60-2.12, f 15.30-24.64 mm [1.1-1.8:1]	F 1.60-1.90, f 15.31-26.24 mm [1.2-1.9:1]	F 1.60-1.90, f 15.31-26.24 mm [1.2-1.9:1]	F 1.60-1.76, f 19.16-23.02 mm [1.48-1.78:1]
Lens shift		Vertical: +40 % (manual)	Vertical: +44 % (manual)	49:1 (fixed)	9:1 (fixed)	6:1 (fixed)
Filter Replacement Cycle		7,000 hours	7,000 hours	7,000 hours	7,000 hours	5,000 hours [NORMAL]/6,000 hours [ECO]/10,000 hours [QUIET]
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for power supply [DC 5 V, up to 2 A])]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module)] USB [USB type-B x 1 (for USB display)]	HDMI 1/2 in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1/2 [M3 x 2] Audio in 3 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module)] USB [USB type-B x 1 (for USB display)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/power supply [DC 5 V, up to 2 A])]
Power supply		120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	120 V AC, 50/60 Hz (North America), 110 V AC, 60 Hz (Taiwan), 100-240 V AC, 50/60 Hz (other countries)	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		385 W (North America), 400 W (other countries)	372 W (North America), 378 W (other countries)	320 W	320 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		37 dB [NORMAL]/35 dB [ECO1]/29 dB [ECO2]	37 dB [NORMAL]/29 dB [ECO]	37 dB [NORMAL]/29 dB [ECO]	37 dB [NORMAL]/29 dB [ECO]	38 dB [NORMAL]/35 dB [ECO]/30 dB [QUIET]
Dimensions (W x 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 3-25/32 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. 4.8 kg/10.6 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs
Replacement lamp		ET-LAV400	ET-LAV400	ET-LAV300	ET-LAV300	ET-LAL510
Optional accessories		ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV400 (Replacement filter unit)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) AJ-WM50 (Wireless Module) ET-WML100 (Wireless Module) ⁶ ET-ADSV (D-Sub/S-VIDEO conversion cable)

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

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

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)	16.0 mm (0.63 in)
	Aspect ratio	16:10	4:3	4:3	4:3	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source		230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output		3,100 lm	4,100 lm	3,800 lm	3,300 lm	3,100 lm
Time until light output declines to 50%¹		10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution		WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)	0.76-7.62 m (30-300 in)
Lens (throw ratio)		F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 1.60-1.76, f 19.16-23.02 mm (1.48-1.78:1)	F 2.1-2.24, f 19.11-22.94 mm (1.47-1.77:1)
Lens shift		6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle		5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 1] Computer in [D-sub HD 15-pin x 1] Monitor out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] USB [USB type-B x 1 (for service use)]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		300 W	300 W	300 W	300 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
Operation noise		38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x 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-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 panel	LCD Projector	LCD Projector	LCD Projector	LCD Projector
	Panel size	15.0 mm (0.59 in)	15.0 mm (0.59 in)	16.0 mm (0.63 in)	16.0 mm (0.63 in)
	Aspect ratio	16:10	16:10	4:3	4:3
	Number of pixels	1,024,000 (1,280 x 800) pixels	1,024,000 (1,280 x 800) pixels	786,432 (1,024 x 768) pixels	786,432 (1,024 x 768) pixels
Light source		230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp	230 W UHM Lamp
Light output		3,300 lm	3,300 lm	3,800 lm	3,200 lm
Time until light output declines to 50%¹		10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)	10,000 hours (NORMAL)/20,000 hours (ECO)/10,000 hours (QUIET)
Resolution		WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Contrast ratio (full on/full off)		20,000:1	20,000:1	20,000:1	20,000:1
Screen size (diagonal)		1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)	1.27-2.54 m (50-100 in)
Lens (throw ratio)		F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)	F 1.8, f 6.08 mm (0.46:1)
Lens shift		6:1 [fixed]	6:1 [fixed]	6:1 [fixed]	6:1 [fixed]
Filter Replacement Cycle		5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)	5,000 hours (NORMAL)/6,000 hours (ECO)/10,000 hours (QUIET)
Installation		Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear	Ceiling/floor, front/rear
Terminals		HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])] Mini USB [Mini USB x 1, (for interactive function)]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]	HDMI in [HDMI 19-pin x 2] Computer 1 in [D-sub HD 15-pin x 1] Computer 2 in/1 out [D-sub HD 15-pin x 1] Video in [Pin jack x 1] Audio in 1 [M3 x 1] Audio in 2 [Pin jack x 2 (L, R)] Audio out [M3 x 1] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB [USB type-A x 1 (for Memory Viewer/Wireless Module/ power supply [DC 5 V, up to 2 A])]
Power supply		100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Maximum power consumption		300 W	300 W	300 W	300 W
Built-in speaker		10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Operation noise		38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)	38 dB (NORMAL)/35 dB (ECO)/30 dB (QUIET)
Dimensions (W x 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.

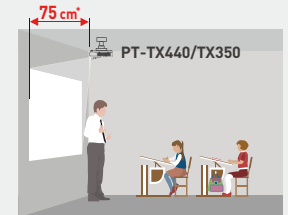
4: To operate wireless projection, the optional Wireless Module ET-WML100/AJ-WM50 is required.
5: Stock limited.
6: The availability varies depending on the country.

FEATURES

Short-Throw Projection

Close range projection reduces not only the shadows of the presenter but also the glare of the projection light, making lectures and meetings more comfortable.

• Projection distance for 80-inch screen



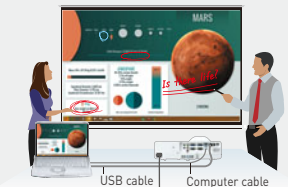
* Projection distance by model: PT-TX440/TX350: 75 cm (2.46 ft.), PT-TW381R/TW380: 80 cm (2.62 ft.)

Interactive function

Supported projector: PT-TW381R

You can write or draw figures on the projected image with the Interactive Pen/Pointer¹. In addition, two users can write simultaneously, to make classes and presentations more effective.

1: Interactive Pointer is optional.



Convenient Interactive Features by LightPen3 Software

- Auto driver installation.
- Auto calibration
- Functionality improved
- Dual pen support²

2: Available for Windows® operating systems.

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

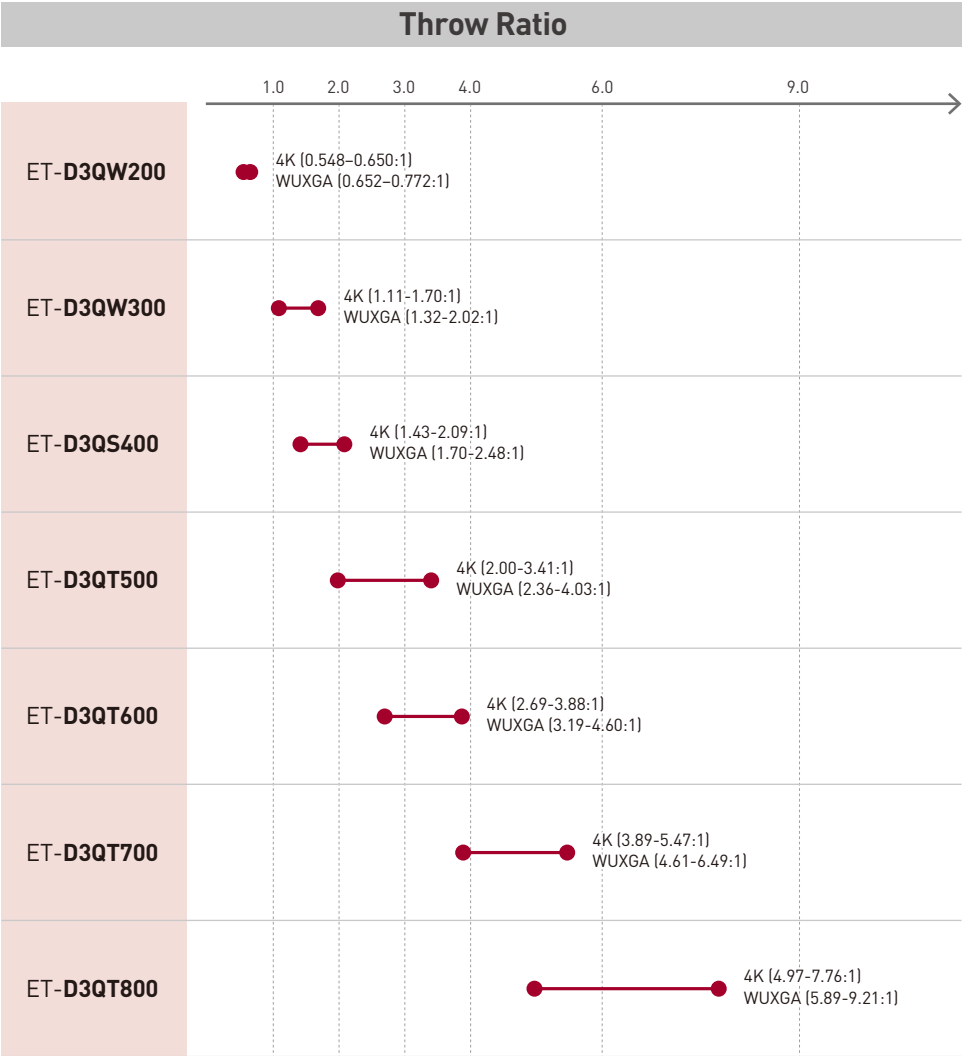
Optional Lenses for the PT-RQ50K Projector (Large-Venue)

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

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

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

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



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

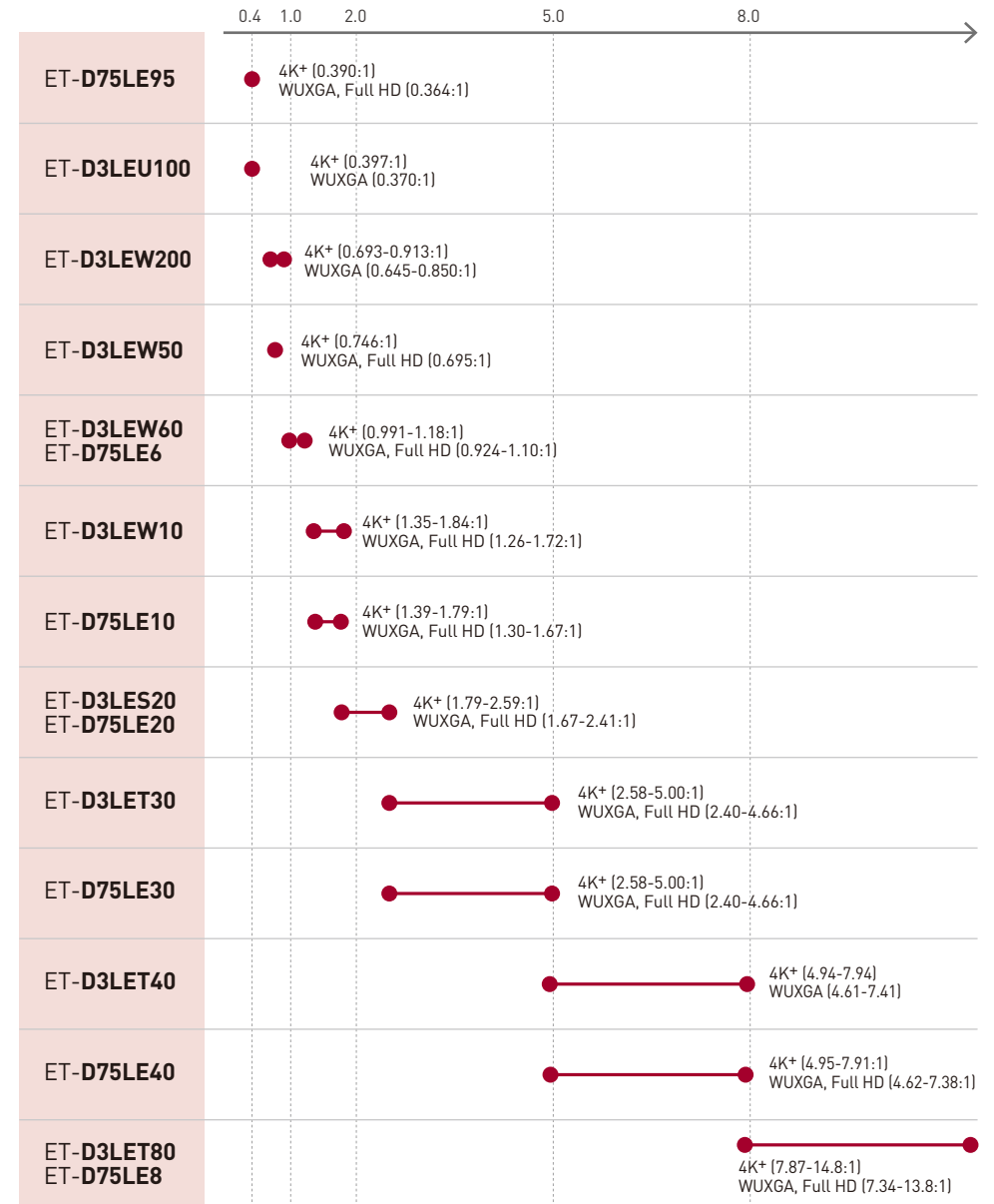
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-D3LEW10	ET-D75LE10	ET-D3LES20	ET-D75LE20	ET-D3LET30	ET-D75LE30
						
F value	2.5	2.5	2.5	2.5	2.5	2.5
Focal distance (f)	26.6-36.4 mm	27.4-35.4 mm	35.0-50.9 mm	35.0-50.9 mm	50.4-98.0 mm	50.5-97.9 mm
Weight	Approx. 6.2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

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

Optional Lenses Compatibility Chart

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

Throw Ratio



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



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

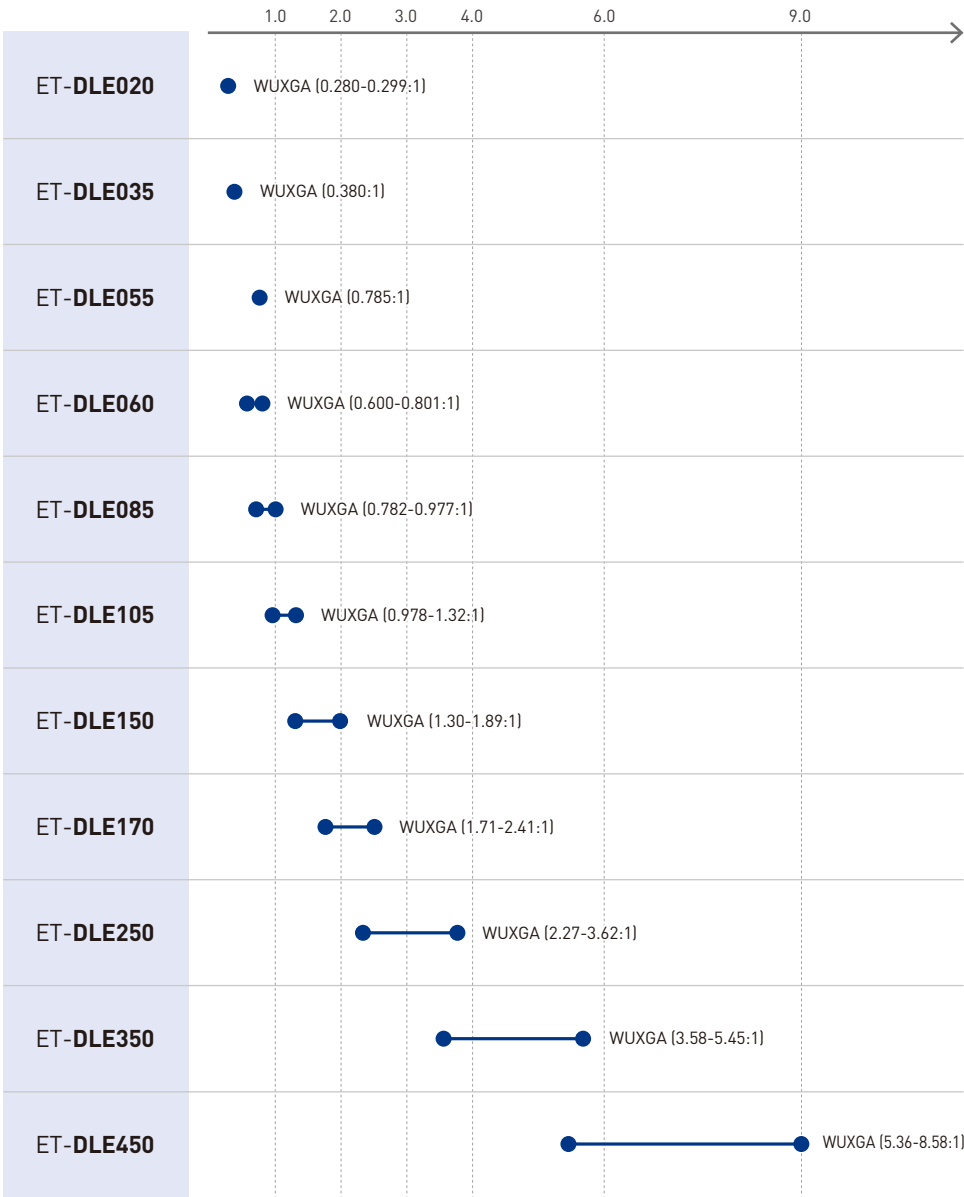
Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens (supplied lens) ¹
Model number	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170
				
F value	1.85-2.20	1.85-2.35	1.8-2.4	1.7-1.9
Focal distance (f)	11.8-14.6 mm	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm
Weight	Approx. 1.3 kg/2.9 lbs	Approx. 1.2 kg/2.6 lbs	Approx.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

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

Optional Lenses Compatibility Chart

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

Throw Ratio



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

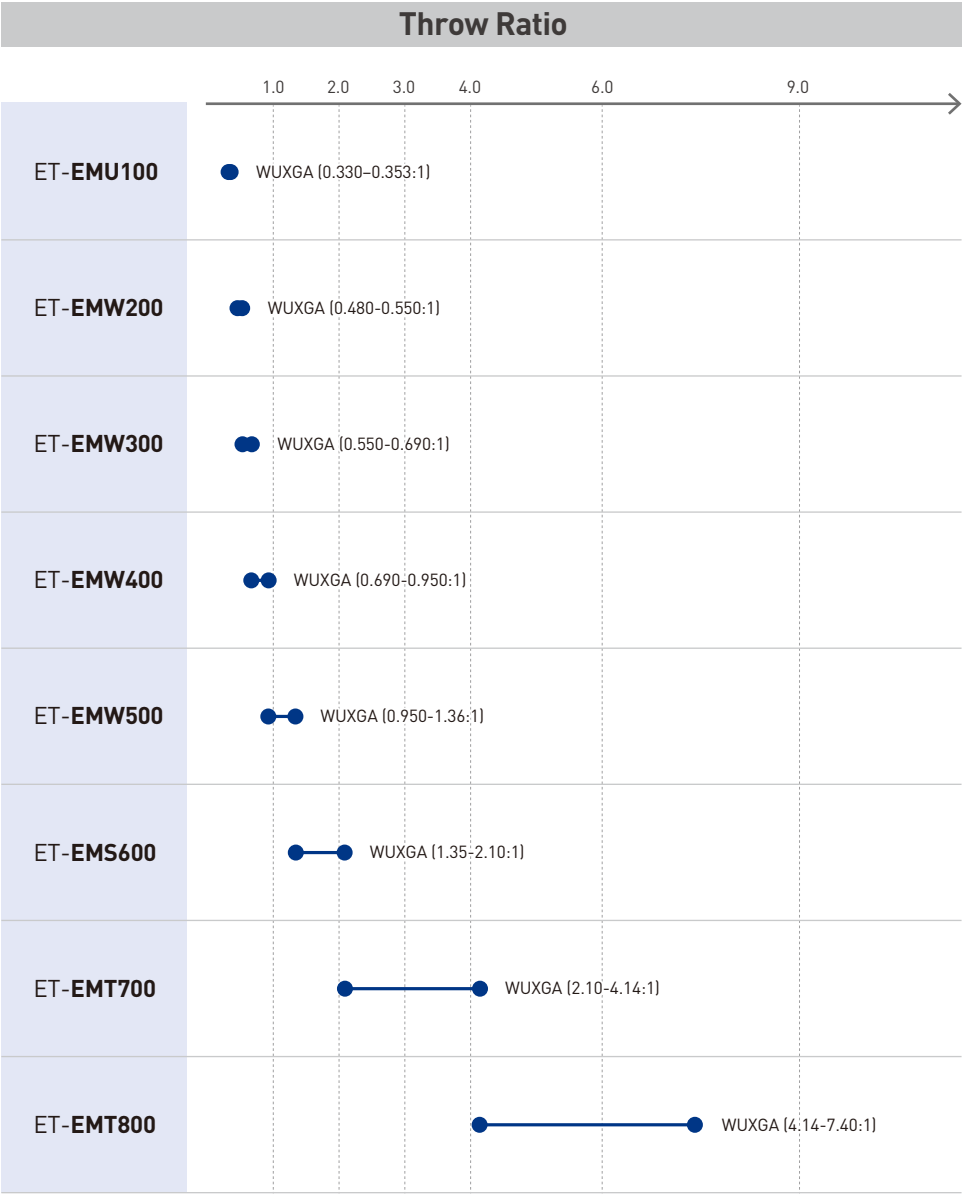


Lens type	Zoom lens		Zoom lens	
Model number	ET-EMU100	ET-EMW200	ET-EMW300	ET-EMW400
				
F value	1.9	1.84-2.14	1.84-2.24	1.84-2.24
Focal distance (f)	7.22-7.72 mm	10.80-12.52 mm	12.31-15.43 mm	15.30-21.10 mm
Weight	Approx. 7.2 kg/15.87 lbs	Approx. 5.20 kg/11.46 lbs	Approx. 5.20 kg/11.46 lbs	Approx.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

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

Optional Lenses Compatibility Chart

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



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 value	2.0	2.0	2.0-2.4	1.8-2.3
Focal distance (f)	5.43-5.82 mm	13.05 mm	13.27-16.56 mm	20.4-27.6 mm
Weight	Approx. 4.0 kg/8.82 lbs	Approx. 1.08 kg/2.4 lbs	Approx. 1.20 kg/2.7 lbs	Approx. 1.20 kg/2.6 lbs

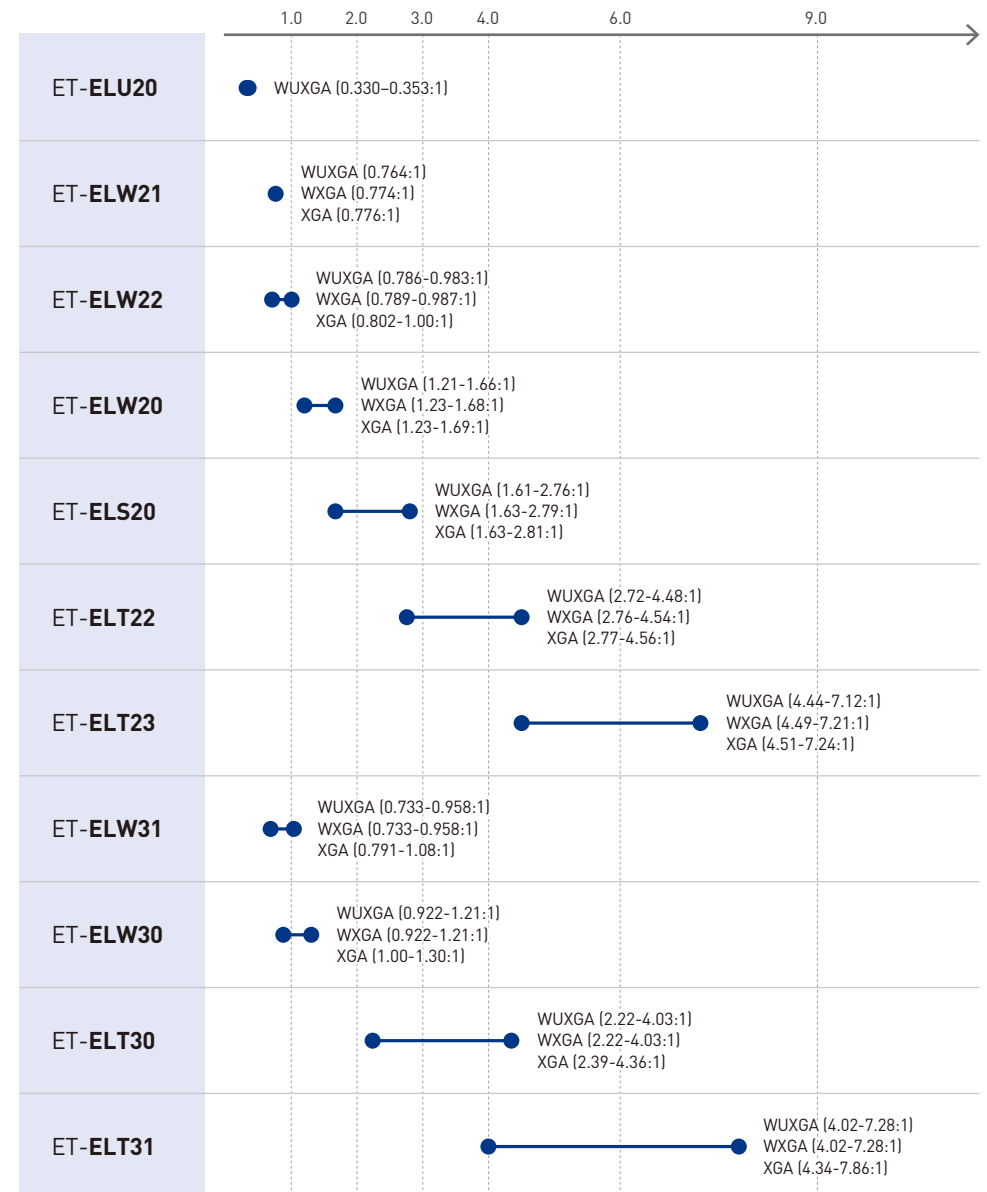
Lens type	Zoom lens [supplied lens] ²	Zoom lens	Zoom lens
Model number	ET-ELS20	ET-ELT22	ET-ELT23
			
F value	1.7-2.3	1.8-2.3	1.8-2.3
Focal distance (f)	26.9-45.4 mm	45.6-73.8 mm	73.9-117.1 mm
Weight	Approx. 0.9 kg/2.0 lbs	Approx. 1.18 kg/2.6 lbs	Approx. 1.20 kg/2.6 lbs

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

Optional Lenses Compatibility Chart

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

Throw Ratio



1: Except for the PT-MZ16KL/MZ13KL/MZ10KL.

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

Features	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K	PT-RS20K	PT-RZ16K	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
Specification																					
DIGITAL LINK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
24/7 operation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4K signal input	✓	✓	✓	✓	-	-	-	✓	-	✓	✓	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Picture Quality																					
Detail Clarity Processor 5+	✓	✓	-	✓	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	✓	-	✓	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓
System Daylight View 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daylight View Basic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓
Daylight View Lite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3D Ready	-	-	✓	-	✓	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Installation																					
Multi Screen Support System	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geometric Adjustment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-
Multi-Unit Brightness and Color Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Contrast Sync and Shutter Sync	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																					
Wireless Function	✓ ²	✓	✓	-	-	-	-	-	-	✓ ²	✓ ²	-	-	-	-	-	-	-	-	-	-
Mirroring Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-in-P	-	-	✓	-	✓	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Backup Input	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Emulation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Data Cloning Function	✓	✓ ³	✓ ³	✓ ³	✓ ³	✓ ³	✓ ³	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
HDR compatible	✓	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical Shutter	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
Software																					
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometry Manager Pro	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Smart Projector Control	✓	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

1: HDMI/DIGITAL LINK input only.

2: To operate wireless projection, the optional Wireless Module is required.

3: Firmware will be available from February 2021.

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

1: HDMI/DIGITAL LINK input only.

2: To operate wireless projection, the optional Wireless Module is required.

Features	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-VMZ41	PT-VMW61	PT-VMW51	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540		PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Specification																											
DIGITAL LINK	✓	✓	✓	-	-	✓	✓	✓	-	-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24/7 operation	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4K signal input	✓ ¹	✓ ¹	✓ ¹	✓ ³	✓ ³	✓ ¹	✓ ¹	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Picture Quality																											
Detail Clarity Processor 5+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Detail Clarity Processor 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
System Daylight View 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daylight View Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	✓	✓	✓
Daylight View Lite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3D Ready	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Installation																											
Multi Screen Suport System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Geometric Adjustment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Multi-Unit Brightness and Color Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
360-degree free installation	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contrast Sync and Shutter Sync	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Corner Keystone	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Curved Screen Correction	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Function																											
Wireless Function	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓	-	✓	-	-	✓	-	-	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	✓ ²	-	✓ ²	✓ ²	✓ ²	✓ ²
Mirroring Function	-	-	-	-	-	-	-	✓	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer	-	-	-	-	-	-	-	✓	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
USB Memory Viewer Light	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
P-in-P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
Backup Input	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Emulation	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-
Data Cloning Function	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HDR compatible	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanical Shutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software																											
Multi Monitoring & Control Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless Manager	-	-	-	-	-	-	-	✓	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plug and Share	-	-	-	-	-	-	-	✓	-	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Presenter Light	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	-	-	✓	✓	✓	✓
Geometry Manager Pro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Smart Projector Control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Logo Transfer Software	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

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

Model Type	Model Number	PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ22K	PT-RZ21K	PT-RS20K		PT-RZ16K	PT-RQ13K	PT-RZ12K
Ceiling mount bracket											
High ceiling mount bracket	ET-PKD520H	-	-	-	✓	✓	✓		✓	✓	✓
Low ceiling mount bracket	ET-PKD520S	-	-	-	✓	✓	✓		✓	✓	✓
Projector mount bracket	ET-PKD520B	-	-	-	✓	✓	✓		✓	✓	✓
Frame	ET-PFD510 ¹	-	-	-	✓	✓	✓		✓	✓	✓
Replacement filter unit											
Replacement filter unit	ET-EMF330	-	-	-	-	-	-		-	✓	✓
Smoke cut filter	ET-SFR330 ²	-	-	-	-	-	-		-	✓	✓
Wireless module											
Wireless module	AJ-WM50	✓	✓	✓	-	-	-		-	-	-
Peripheral											
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓		✓	✓	✓
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓		✓	✓	✓
Software											
Early Warning Software	ET-SWA100 Series ³	✓	✓	✓	✓	✓	✓		✓	✓	✓
Geometry Manager Pro Upgrade Kit	ET-UK20	✓ ⁵	✓ ⁵	✓ ⁵	✓	✓	✓		✓	✓	✓
Auto Screen Adjustment Upgrade Kit	ET-CUK10/CUK10P ⁴	✓ ⁵	✓ ⁵	✓ ⁵	✓	✓	✓		✓	✓	✓
Interface board											
DVI-D input signal board	ET-MDNDV10	✓	✓	✓	✓	-	-		-	✓	-
HDMI input signal board	ET-MDNHM10	✓	✓	✓	✓	-	-		-	✓	-
12G-SDI signal board	ET-MDN12G10	✓	✓	✓	✓	-	-		-	✓	-
3G-SDI input signal board	TY-TBN03G	-	✓	✓	✓	-	-		-	✓	-
12G-SDI optical board	ET-MDNFB10	✓	✓	✓	✓	-	-		-	-	-
DisplayPort input signal board	ET-MDNDP10	✓	✓	✓	✓	-	-		-	-	-

1: This frame cannot be used when the separately sold ET-D75LE95 fixed focus lens is attached to the projector.

2: The smoke cut filter is an air filter unit for an applicable Panasonic projector, for when the projector is used at events or other situation where smoke, fog or haze is being generated as a special effect.

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

4: The availability varies depending on the country.

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

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

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

Optional Accessories for LCD Projector (Installation)

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

1: Recommended when used with the ET-EMU100.

2: Stock limited.

3: The availability varies depending on the country.

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

Optional Accessories for LCD Projector (Portable, Short Throw)

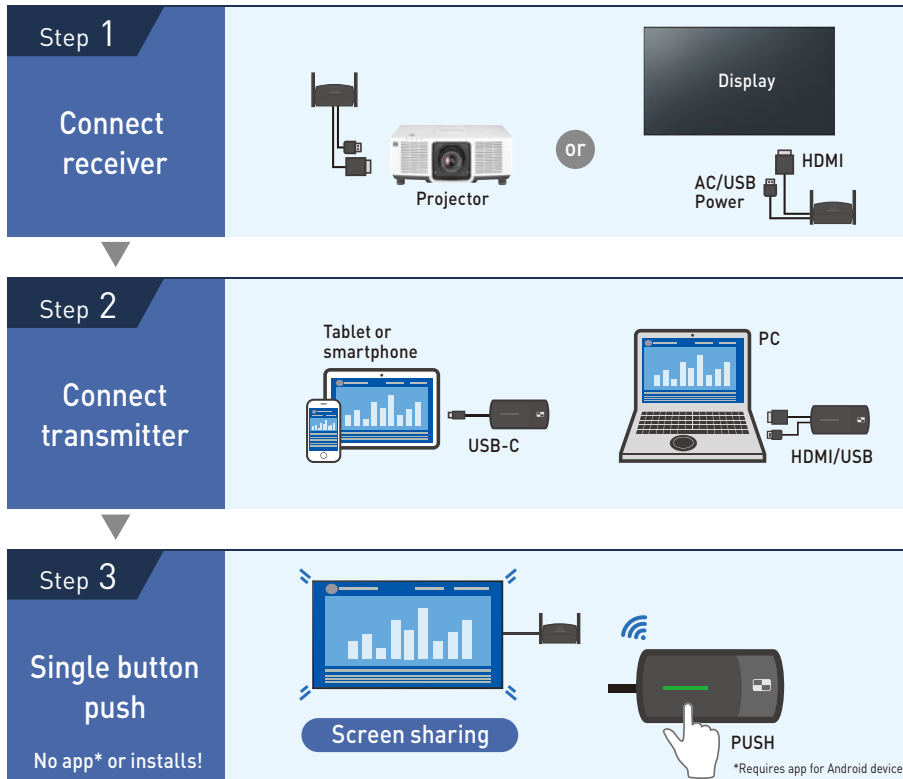
Model Type	Model Number	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-VMZ40	PT-VMW61	PT-VMW51	PT-VZ585N		PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306	PT-TW381R	PT-TW380	PT-TX440	PT-TX350
Replacement lamp unit																												
270 W UHM lamp x 1	ET-LAV400	-	-	-	-	-	-	-	✓		✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAV300	-	-	-	-	-	-	-	-		-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
230 W UHM lamp x 1	ET-LAL510	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ceiling mount bracket																												
Bracket assembly	ET-PKV400B	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
High ceiling mount bracket	ET-PKL100H	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Low ceiling mount bracket	ET-PKL100S	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bracket assembly	ET-PKL430B	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	✓
Bracket assembly	ET-PKL420B	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-
Replacement filter unit																												
Replacement filter unit	ET-RFV500	✓	✓	✓	✓	✓	✓	✓	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV410	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV400	-	-	-	-	-	-	-	-		-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFV300	-	-	-	-	-	-	-	-		-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-
Replacement filter unit	ET-RFL300	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wireless module																												
Wireless module	ET-WML100 ¹	-	-	-	-	-	-	-	-		-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Wireless module	AJ-WM50	✓	✓	✓	✓	✓	✓	✓	-		-	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓
Easy wireless stick	ET-UW100	-	-	-	-	-	-	-	✓		-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peripheral																												
DIGITAL LINK Switcher	ET-YFB200G	✓	✓	✓	✓	✓	✓	✓	✓		-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digital Interface Box	ET-YFB100G	✓	✓	✓	✓	✓	✓	✓	✓		-	✓	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interactive Light pen	ET-PEN100	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
Interactive Pointer	ET-PNT100	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-	-
D-Sub/S-VIDEO conversion cable	ET-ADSV	-	-	-	-	-	-	-	-		-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Software																												
Early Warning Software	ET-SWA100 Series ²	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓

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

Wireless Presentation System "PressIT"

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

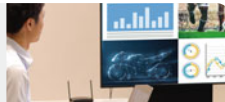
- 1 Easy connections with no app
- 2 Single button push a screen sharing
- 3 Multi-screen sharing up to 4



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

PressIT

Lineup



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

Specifications

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

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

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

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



Fisheye Lens / Stepping Motor Kit for Optional Lenses

OPTION

Smart Projector Control

SOFTWARE

High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications

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



Features

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

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

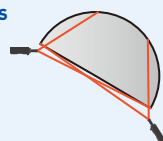
Software: Fisheye Lens Simulator

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



Planetariums, Dome Theaters, and Theme Parks

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



Events and Exhibitions

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



Simulators

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



Supporting Accurate Installation

Stepping Motor Kit
ET-D75MKS10¹

This product is an adaptor kit for increasing the speed of zoom operations and for improving the reproducibility of zoom positions for optional lenses for Panasonic's 3-chip DLP™ projectors.

Note: This kit can not be used by itself. It can only be used in combination with the applicable lenses listed below.

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

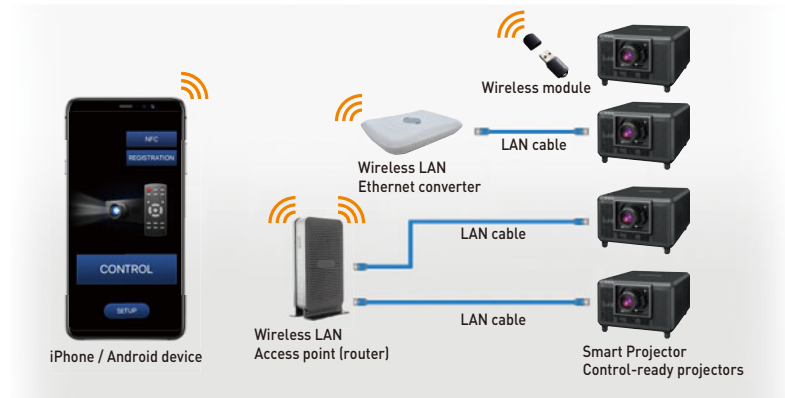
¹: Calibration is required each time the lens is mounted.

²: Average value. Each product has an individual variable in weight.

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

Advantages

- The projector can be set and operated from the smartphone application, so there is no hassle associated with the remote control or main body buttons.
- Multiple projectors* can be operated simultaneously, and the status of a selected projector can be checked.
* Up to 64 projectors can be registered.
- A detailed screen of projectors registered in Early Warning Software can be displayed.

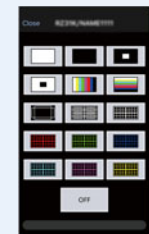


What you can do with Smart Projector Control

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



Control screen



Test pattern screen



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



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

Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability

FEATURES

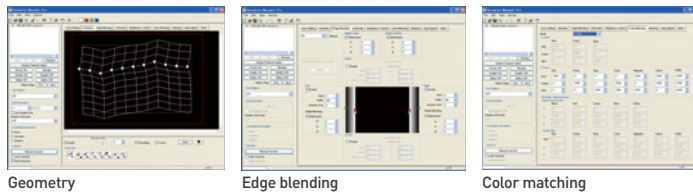
Flexible projection with a peripheral system turns image viewing into a memorable experience. Panasonic offers features that provide truly unique applications.

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

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

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



For downloading/activating the software and optional upgrade kits

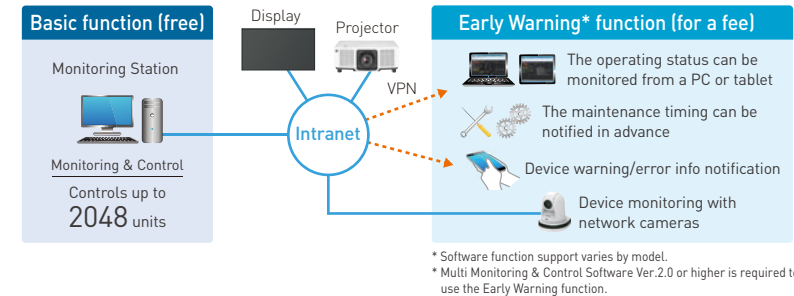
PASS (Projector & Professional Display Asset Support System)

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

Multi Monitoring & Control Software

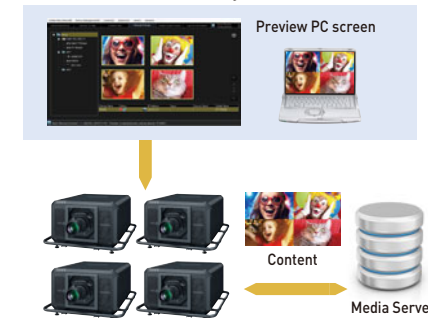
SOFTWARE

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.



Remote Preview Function

Preview content remotely



Remote Preview Saves Time and Unnecessary Stress

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

Early Warning Function (ET-SWA100)

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

1: Some devices can't be registered using the auto search function depending on the device status and network environment.
2: Software functionality varies depending on the model. 3: Function for supported projectors and professional displays only.

Utility Software can be downloaded from PASS



- Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)
- NFC Upgrade Kit (ET-NUK10)
- Geometry Manager Pro and Upgrade Kit (ET-UK20)
- Early Warning Software (ET-SWA100 Series)

For more information, please visit the PASS system >>> panasonic.net/cns/projector/pass/

Panasonic 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. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. HDBaseT™ is a trademark of the HDBaseT Alliance. All other trademarks are the property of their respective trademark owners. Projection images simulated. © 2022 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 May 2022.

LINEUP-G54
Printed in Japan.