Panasonic

BUSINESS

PROJECTORS

Line-up Catalog June 2018

Olympic Winter Games PyeongChang 2018

University of Southern California

BARTKRESAStudio

Panasonic®

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

All information included here is valid as of June 2018.

LINEUP-G45
Printed in Japan.

Worldwide
Olympic Partner

Worldwide
Paralympic Partner

Panasonic projectors at work in a variety of fields and locations

"Olympic and Paralympic Winter Games PyeongChang 2018" Republic of Korea

Worldwide Olympic Partner **Panasonic** Worldwide Paralympic Partner

"World Master of Projection Mapping 2018" the Netherlands

"National Constitution Center" USA

"EXPO 2017 ASTANA -Germany Pavilion" Kazakhstan

"Milano Salone 2018" Italy

Events / Rental Staging

Superior picture quality and reliability for large-scale projection.

Museum / Exhibition

High brightness, high resolution, and precise colors provide an impressive viewing experience.

CASE STUDIES

Education / Training

A wide line-up of projectors match your installation location and type of use.

Monitoring

Versatile functions and flexible installation features enable mounting in various locations.

"Yasuda Women's University" Japan

"Kwansei Gakuin University" Japan

"Kumamoto Prefectural Police Department" Japan

For more information about case studies of Panasonic projectors, please visit the website.
>>> panasonic.net/cns/ projector/casestudies/

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Panasonic Projectors product lineup

SOLID SHINE Series

	Large-Venue	Short Throw
	Installation	Space Player
	Portable	

30,000 lm

● PT-**RQ32K** >P5
SOLID SHINE LASER | DLP | 4K PROFESSIONAL

● PT-**RZ31K** Series >P5
SOLID SHINE LASER | DLP

20,000 lm

● PT-**RZ21K** Series >P6
SOLID SHINE LASER | DLP

● PT-**DZ21K2** Series >P9
DLP

● PT-**EX16K** >P13

10,000 lm

● PT-**RQ13K** >P7
SOLID SHINE LASER | DLP | 4K PROFESSIONAL

● PT-**RZ12K** Series >P7
SOLID SHINE LASER | DLP

● PT-**RZ970** Series >P15
SOLID SHINE LASER | DLP

● PT-**DZ13K** Series >P11
DLP

Available from July 2018

● PT-**RZ870** Series >P16
SOLID SHINE LASER | DLP

● PT-**DZ870** Series >P25
DLP

Available from July 2018

● PT-**MZ770** Series >P19
SOLID SHINE LASER

● PT-**MZ670** Series >P21
SOLID SHINE LASER

● PT-**RZ770** Series >P16
SOLID SHINE LASER | DLP

● PT-**RZ660** Series >P17
SOLID SHINE LASER | DLP

● PT-**DZ780** Series >P26
DLP

● PT-**EZ770** Series >P27

● PT-**EZ590** Series >P29

5,000 lm

● PT-**RZ570** Series >P18
SOLID SHINE LASER | DLP

● PT-**VZ580** Series >P33

● PT-**VZ470** >P35

NEW

● PT-**VW360** Series >P36

● PT-**LB423** Series >P37

● PT-**FZ570** Series >P31

● PT-**RZ470** Series >P23
SOLID SHINE | DLP

● PT-**RZ370** Series >P24
SOLID SHINE | DLP

● PT-**TW350** Series >P39

3,000 lm

● PT-**JX200** >P41
SOLID SHINE LASER | DLP

● PT-**JW130** >P41
SOLID SHINE LASER | DLP

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Large-Venue

	PT-**RQ32K**	PT-**RZ31K**	PT-**RS30K**	PT-**RZ21K**	PT-**RS20K**
	4K PROFESSIONAL*6 / 4K DLP LINK / QUAD PIXEL DRIVE / SOLID SHINE LASER / 24/7 operation / 360° / Geo. Pro	3D PROFESSIONAL / DIGITAL LINK SINGLE CABLE SOLUTION / SOLID SHINE LASER / 24/7 operation / 360° / Geo. Pro	3D PROFESSIONAL / DIGITAL LINK SINGLE CABLE SOLUTION / SOLID SHINE LASER / 24/7 operation / 360° / Geo. Pro	3D PROFESSIONAL / DIGITAL LINK SINGLE CABLE SOLUTION / SOLID SHINE LASER / 24/7 operation / 360° / Geo. Pro	3D PROFESSIONAL / DIGITAL LINK SINGLE CABLE SOLUTION / SOLID SHINE LASER / 24/7 operation / 360° / Geo. Pro
	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
	27,000 lm (Center)*7/26,000 lm 4K+ *6	31,000 lm (Center)*7/30,000 lm WUXGA	31,000 lm (Center)*7/30,000 lm SXGA+	21,000 lm (Center)*7/20,000 lm WUXGA	21,000 lm (Center)*7/20,000 lm SXGA+
	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.

Optical

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Panel type	22.9 mm (0.9 inches) DLP™ chip x 3	24.4 mm (0.96 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3	24.4 mm (0.96 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3
Aspect ratio	16:10	16:10	4:3	16:10	4:3
Light source	Laser diodes	Laser diodes	Laser diodes	Laser diodes	Laser diodes
Light source life*1	18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)	18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)	18,000 hours (HIGH)/20,000 hours (NORMAL)/ 43,800 hours (LONG LIFE1)/61,320 hours (LONG LIFE2)/ 87,600 hours (LONG LIFE3)	20,000 hours (NORMAL)/ 24,000 hours (ECO)	20,000 hours (NORMAL)/ 24,000 hours (ECO)
Brightness	27,000 lm (Center)*7 / 26,000 lm (HIGH)	31,000 lm (Center)*7 / 30,000 lm (HIGH)	31,000 lm (Center)*7 / 30,000 lm (HIGH)	21,000 lm (Center)*7 / 20,000 lm (NORMAL)	21,000 lm (Center)*7 / 20,000 lm (NORMAL)
Contrast (full on/full off)	20,000:1	20,000:1	20,000:1	20,000:1	20,000:1
Resolution	4K+ (5,120 x 3,200)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)
Screen size (diagonal)*2	1.78-25.4 m (70-1,000 inches)*8	1.78-25.4 m (70-1,000 inches)*8	1.78-25.4 m (70-1,000 inches)*8	1.78-25.4 m (70-1,000 inches)*8	1.78-25.4 m (70-1,000 inches)*8
Lens shift*3	Vertical: ±59 %*9, horizontal: ±29 %*9 (powered)	Vertical: ±55 %*14, horizontal: ±20 %*14 (powered)	Vertical: ±55 %*15, horizontal: ±30 %*15 (powered)	Vertical: ±55 %*14, horizontal: ±20 %*14 (powered)	Vertical: ±50 %*15, horizontal: ±30 %*15 (powered)

Interface

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Terminals	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 4)] SYNC in/out [BNC x 1 (3D timing signal)] 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] 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, max 900 mA) x 2]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPʙPʀ/YCʙCʀ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPʙPʀ/YCʙCʀ 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] 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, max 900 mA) x 2]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPʙPʀ/YCʙCʀ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPʙPʀ/YCʙCʀ 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] 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, max 900 mA) x 2]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPʙPʀ/YCʙCʀ/YC/Video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPʙPʀ/YCʙCʀ 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] 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, total of 2 A) x 2]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPʙPʀ/YCʙCʀ/YC/Video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPʙPʀ/YCʙCʀ 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] 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, total of 2 A) x 2]

General

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Power supply	100-240 V AC, 50/60 Hz*10	100-240 V AC, 50/60 Hz*10	100-240 V AC, 50/60 Hz*10	100-120 V, 200-240 V AC, 50/60 Hz	100-120 V, 200-240 V AC, 50/60 Hz
Power consumption	2,950 W	2,870 W	2,870 W	1,510 W	1,510 W
BTU value	Max. 10,079 BTU	Max. 9,806 BTU	Max. 9,806 BTU	Max. 5,159 BTU	Max. 5,159 BTU
Operation noise	49 dB	49 dB	49 dB	46 dB	46 dB
Dimensions (W x H x D)	700 x 418*11 x 1,070 mm*12 (27-9/16 x 16-15/32*11 x 42-1/8 inches)*12	700 x 418*11 x 1,070 mm*12 (27-9/16 x 16-15/32*11 x 42-1/8 inches)*12	700 x 418*11 x 1,070 mm*12 (27-9/16 x 16-15/32*11 x 42-1/8 inches)*12	598 x 270*11 x 725 mm*12 (23-17/32 x 10-5/8*11 x 28-17/32 inches)*12	598 x 270*11 x 725 mm*12 (23-17/32 x 10-5/8*11 x 28-17/32 inches)*12
Weight*4	Approx. 83 kg/183 lbs	Approx. 79.0 kg/174 lbs	Approx. 79.0 kg/174 lbs	Approx. 49.0 kg/108 lbs	Approx. 49.0 kg/108 lbs

Features

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Filter	Eco Filter	Eco Filter	Eco Filter	Filter-free	Filter-free
Signal input (maximum)*5	4,096 x 2,160	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Edge Blending	Yes	Yes	Yes	Yes	Yes
Geometric Adjustment	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)
Multi-Unit Brightness Control	Yes	Yes	Yes	Yes	Yes
Portrait mode	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)
Daylight View	System Daylight View 3	System Daylight View 3	System Daylight View 3	System Daylight View 3	System Daylight View 3
Detail Clarity Processor	Detail Clarity Processor 5+	Detail Clarity Processor 5	Detail Clarity Processor 5	Detail Clarity Processor 5	Detail Clarity Processor 5
P-in-P	-	Yes	Yes	Yes	Yes
Backup Input	Yes	Yes	Yes	Yes	Yes

Accessory

	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K
Optional accessories	ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)	ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-EMF330 (Replacement filter unit) ET-EMFU330 (Long life filter) ET-SFR330 (Smoke cut filter) ET-D75MKS10 (Stepping Motor Kit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-D75MKS10 (Stepping Motor kit) ET-PLF10 (Lens Fixed Attachment) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*13	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*13	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*13	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*16	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*16

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON)

*7: Luminance measured at center of screen. *8: 1.78-15.24 m (70-600 inches) with the ET-D75LE8. 3.05-15.24 m (120–600 inches) with the ET-D75LE95. *9: Vertical ±56 % and horizontal ±19 % with the ET-D75LE6. *10: Brightness restricted with voltage lower than 200 V. *11: Height: with legs at shortest position. *12: Depth: protruding parts not included. *13: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software. *14: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *15: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. *16: CD-ROM includes an Operation Manual.

Large-Venue

		PT-**RQ13K**	PT-**RZ12K**	PT-**RS11K**
		4K *6 / 4K / 24/7 Operation / 360°	3D PROFESSIONAL / DIGITAL LINK / 24/7 Operation / 360°	3D PROFESSIONAL / DIGITAL LINK / 24/7 Operation / 360°
		3-Chip DLP™ Projector	**3-Chip DLP™ Projector**	**3-Chip DLP™ Projector**
		10,000 lm / 4K+ *6 / Geo. Pro	12,000 lm / WUXGA / Geo. Pro	12,000 lm / SXGA+ / Geo. Pro
		* Lens sold separately.	* Lens sold separately.	* Lens sold separately.
Optical	Panel type	22.9 mm (0.9 inches) DLP™ chip x 3	24.4 mm (0.96 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3
	Aspect ratio	16:10	16:10	4:3
	Light source/Lamp	Laser diodes	Laser diodes	Laser diodes
	Light source*1	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)
	Brightness	10,000 lm	12,000 lm	12,000 lm
	Contrast (full on/full off)	20,000:1	20,000:1	20,000:1
	Resolution	4K+ (5,120 x 3,200)	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)
	Screen size (diagonal)*2	1.78-25.4 m (70-1,000 inches)*7	1.78-25.4 m (70-1,000 inches)*7	1.78-25.4 m (70-1,000 inches)*7
	Lens shift*3	Vertical: ±59 %*8, horizontal: ±29 %*8 (powered)	Vertical: ±55 %*12, horizontal: ±20 %*12 (powered)	Vertical: ±50 %*13, horizontal: ±30 %*13 (powered)
Interface	Terminals	SDI in [BNC x 4 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 4)] 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] Optional board slot [Slot x 2]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 2 (3G/HD/SD-SDI, Dual-link HD/SD-SDI, Dual-link 3G-SDI x 2)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
General	Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
	Power consumption	1,270 W	1,200 W	1,200 W
	BTU value	Max. 4,334 BTU	Max 4,096 BTU	Max 4,096 BTU
	Operation noise	43 dB	43 dB	43 dB
	Dimensions (W x H x D)	578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10	578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10	578 x 323.5*9 x 740 mm*10 (22-3/4 x 12-3/4*9 x 29-1/8 inches)*10
	Weight*4	Approx. 49 kg/108 lbs	Approx. 44.0 kg/97 lbs	Approx. 44.0 kg/97 lbs
Features	Filter	Eco Filter	Eco Filter	Eco Filter
	Signal input (maximum)*5	4,096 x 2,160	1,920 x 1,200	1,920 x 1,200
	Edge Blending	Yes	Yes	Yes
	Geometric Adjustment	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)
	Multi-Unit Brightness Control	Yes	Yes	Yes
	Portrait mode	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)
	Daylight View	System Daylight View 3	System Daylight View 3	System Daylight View 3
	Detail Clarity Processor	Detail Clarity Processor 5+	Detail Clarity Processor 5	Detail Clarity Processor 5
	P-in-P	–	Yes	Yes
	Backup Input	Yes	Yes	Yes
Accessory	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-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit) ET-MDNDV10 (DVI-D Input Board) ET-MDNHM10 (HDMI Input Board) ET-MDN12G10 (12G-SDI Input Board) TY-TBN03G (3G-SDI Input Board)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PKD520B (Attachment for ceiling mount bracket) ET-PFD510 (Frame) ET-EMF330 (Replacement filter unit) ET-SFR330 (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
	Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
	Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight.

*5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON) *7: 1.78-15.24 m (70–600 inches) with the ET-D75LE8. 3.05-15.24 m (120–600 inches) with the ET-D75LE95. *8: Vertical ±56 % and horizontal ±19 % with the ET-D75LE6. *9: Height: with legs at shortest position. *10: Depth: lens not included. *11: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software. *12: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *13: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6.

SOFTWARE | **Handy Operation App**

For iOS | For Android

Smart Projector Control

Supported projector: PT-RQ32K/RZ31K/RS30K, PT-RZ21K/RS20K, PT-MZ770/MW730 and PT-MZ670/MZ570/MW630/MW530

Smart Projector Control is an application for a smartphone that enables the operation of Panasonic projectors. By installing Smart Projector Control in your iPhone or Android device and connecting the device via wireless LAN (Wi-Fi) to a network connected with Panasonic projectors, you can operate the projectors and check their status using your iPhone or Android device.

Example of system configuration

iPhone / Android device — Wireless LAN Access point (router) — Wireless LAN Ethernet converter — LAN cable — Smart Projector Control Software-ready projectors

Advantages

● Basic, frequently used operations, such as turning the power ON/OFF and adjusting the lens, can be done just like using a remote control.
● 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.

Control screen | Zoom adjustment screen | Status screen

This application can be downloaded for free from the App Store (iOS version) or Google Play (Android version).

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

Large-Venue

		PT-**DZ21K2**	PT-**DS20K2**	PT-**DW17K2**	PT-**DZ16K2**
		3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
		20,000 lm — WUXGA	20,000 lm — SXGA+	17,000 lm — WXGA	16,000 lm — Full HD
		* Lens sold separately.	* Lens sold separately.	* Lens sold separately.	* Lens sold separately.
Optical	Panel type	24.4 mm (0.96 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3	21.6 mm (0.85 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3
	Aspect ratio	16:10	4:3	16:9	16:9
	Light source/Lamp	432 W UHM x 4	432 W UHM x 4	432 W UHM x 4	432 W UHM x 4
	Lamp life[*1]	3,000 hours (QUAD)/6,000 hours (DUAL)	3,000 hours (QUAD)/6,000 hours (DUAL)	3,000 hours (QUAD)/6,000 hours (DUAL)	3,000 hours (QUAD)/6,000 hours (DUAL)
	Brightness	20,000 lm	20,000 lm	17,000 lm	16,000 lm
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	10,000:1
	Resolution	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)	WXGA (1,366 x 768)	Full HD (1,920 x 1,080)
	Screen size (diagonal)[*2]	1.78-25.4 m (70-1,000 inches)[*7]	1.78-25.4 m (70-1,000 inches)[*7]	1.78-25.4 m (70-1,000 inches)[*7]	1.78-25.4 m (70-1,000 inches)[*7]
	Lens shift[*3]	Vertical: ±55 %[*8], horizontal: ±20 %[*8] (powered)	Vertical: ±50 %[*11], horizontal: ±30 %[*11] (powered)	Vertical: ±70 %[*12], horizontal: ±30 %[*12] (powered)	Vertical: ±60 %[*13], horizontal: ±20 %[*13] (powered)
Interface	Terminals	SDI in [BNC x 2 (3G/HD/SD-SDI x 2)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 2 (3G/HD/SD-SDI x 2)] 3D SYNC in/out [BNC x 1 (3D timing signal)] 3D SYNC out [BNC x 1 (3D timing signal)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
General	Power supply	200-240 V AC, 50/60 Hz	200-240 V AC, 50/60 Hz	200-240 V AC, 50/60 Hz	200-240 V AC, 50/60 Hz
	Power consumption	2,060 W	2,060 W	2,060 W	2,060 W
	BTU value	Max. 7,031 BTU	Max. 7,031 BTU	Max. 7,031 BTU	Max. 7,031 BTU
	Operation noise	46 dB	46 dB	46 dB	46 dB
	Dimensions (W x H x D)	620 x 291[*9] x 800 mm[*10] (24-13/32 x 11-15/32[*9] x 31-1/2 inches)[*10]	620 x 291[*9] x 800 mm[*10] (24-13/32 x 11-15/32[*9] x 31-1/2 inches)[*10]	620 x 291[*9] x 800 mm[*10] (24-13/32 x 11-15/32[*9] x 31-1/2 inches)[*10]	620 x 291[*9] x 800 mm[*10] (24-13/32 x 11-15/32[*9] x 31-1/2 inches)[*10]
	Weight[*4]	Approx. 41.0 kg/90.4 lbs	Approx. 41.0 kg/90.4 lbs	Approx. 41.0 kg/90.4 lbs	Approx. 41.0 kg/90.4 lbs
Features	Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter
	Signal input (maximum)[*5]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Edge Blending	Yes	Yes	Yes	Yes
	Geometric Adjustment	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	Yes	Yes
	Multi-Unit Brightness Control	Yes	Yes	Yes	Yes
	Portrait mode	Yes[*6]	Yes[*6]	Yes[*6]	-
	Daylight View	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2
	Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
	P-in-P	Yes	Yes	Yes	Yes
	Backup Input	Yes	Yes	Yes	Yes
Accessory	Replacement lamp	ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode)	ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode)	ET-LAD520/ET-LAD520F ET-LAD520P/ET-LAD520PF (for portrait mode)	ET-LAD520/ET-LAD520F
	Optional accessories	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) Service Parts (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) Service Parts (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) Service Parts (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD520H (High ceiling mount bracket) ET-PKD520S (Low ceiling mount bracket) ET-PFD510 (Frame) ET-EMF510 (Replacement filter unit) Service Parts (Smoke cut filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
	Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The screen size is that of the original aspect ratio. *3: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Mounting the optional lamp unit for portrait mode is required.

*7: 1.78-15.24 m (70-600 inches) with the ET-D75LE8. 3.05-15.24 m (120-600 inches) with the ET-D75LE95. *8: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *9: Height: with legs at shortest position. *10: Depth: lens not included. *11: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. *12: Vertical ±60 % and horizontal ±20 % with the ET-D75LE6. *13: Vertical ±50 % and horizontal ±15 % with the ET-D75LE6.
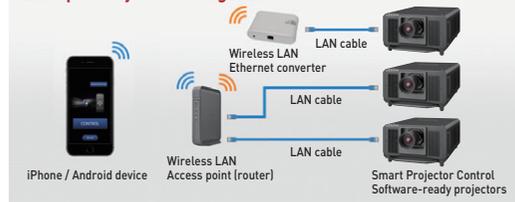
Large-Venue

		PT-**DZ13K**	PT-**DS12K**	PT-**DW11K**	PT-**DZ10K**
		3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector	3-Chip DLP™ Projector
		12,000 lm / WUXGA / Geo. Pro / Portrait[6]	12,000 lm / SXGA+ / Geo. Pro / Portrait[6] * Lens sold separately.	11,000 lm / WXGA / Portrait[6] * Lens sold separately.	10,600 lm / WUXGA / Geo. Pro[13] / Portrait[6] * Lens sold separately.
Optical	Panel type	24.4 mm (0.96 inches) DLP™ chip x 3	24.1 mm (0.95 inches) DLP™ chip x 3	21.6 mm (0.85 inches) DLP™ chip x 3	24.4 mm (0.96 inches) DLP™ chip x 3
	Aspect ratio	16:10	4:3	16:9	16:10
	Lamp	380 W UHM x 2	380 W UHM x 2	380 W UHM x 2	355 W UHM x 2
	Lamp Life[1]	3,500 hours (MIDDLE)/4,000 hours (ECO)	3,500 hours (MIDDLE)/4,000 hours (ECO)	3,500 hours (MIDDLE)/4,000 hours (ECO)	3,500 hours (NORMAL)/4,000 hours (ECO)
	Brightness	12,000 lm	12,000 lm	11,000 lm	10,600 lm
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	10,000:1
	Resolution	WUXGA (1,920 x 1,200)	SXGA+ (1,400 x 1,050)	WXGA (1,366 x 768)	WUXGA (1,920 x 1,200)
	Screen size (diagonal)[2]	1.78-25.4 m (70-1,000 inches)[7]	1.78-25.4 m (70-1,000 inches)[7]	1.78-25.4 m (70-1,000 inches)[7]	1.78-25.4 m (70-1,000 inches)[7]
	Lens shift[3]	Vertical: ±55 %[8], horizontal: ±20 %[8] (powered)	Vertical: ±50 %[11], horizontal: ±30 %[11] (powered)	Vertical: ±70 %[12], horizontal: ±30 %[12] (powered)	Vertical: ±55 %[8], horizontal: ±20 %[8] (powered)

Interface	Terminals	SDI in [BNC x 2 (3G/HD/SD-SDI x 1, HD/SD-SDI x 1)]
		3D SYNC in/out [BNC x 1 (3D timing signal)]
		3D SYNC out [BNC x 1 (3D timing signal)]
		DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]
		HDMI in [HDMI 19-pin x 1 (HDCP compatible)]
		RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
		RGB 2 in [D-sub HD 15-pin x 1
		    (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
		Composite video in [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 (in x 1, out x 1)]
		Remote 2 in [D-sub 9-pin x 1]
		LAN [RJ-45 x 1]
			SDI in [BNC x 2 (3G/HD/SD-SDI x 1, HD/SD-SDI x 1)]
			3D SYNC in/out [BNC x 1 (3D timing signal)]
			3D SYNC out [BNC x 1 (3D timing signal)]
			DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]
			HDMI in [HDMI 19-pin x 1 (HDCP compatible)]
			RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
			RGB 2 in [D-sub HD 15-pin x 1
			    (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
			Composite video in [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 (in x 1, out x 1)]
			Remote 2 in [D-sub 9-pin x 1]
			LAN [RJ-45 x 1]
				3D SYNC in/out [BNC x 1 (3D timing signal)]
				3D SYNC out [BNC x 1 (3D timing signal)]
				DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]
				HDMI in [HDMI 19-pin x 1 (HDCP compatible)]
				RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
				RGB 2 in [D-sub HD 15-pin x 1
				    (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
				Composite video in [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 (in x 1, out x 1)]
				Remote 2 in [D-sub 9-pin x 1]
				LAN [RJ-45 x 1]
					SDI in [BNC x 1 (3G/HD/SD-SDI x 1)]
					DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)]
					HDMI in [HDMI 19-pin x 1 (HDCP compatible)]
					RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
					RGB 2 in [D-sub HD 15-pin x 1
					    (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]
					Composite video in [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 (in x 1, out x 1)]
					Remote 2 in [D-sub 9-pin x 1]
					LAN [RJ-45 x 1]

General	Power supply	120 V AC, 9.3 A, 50/60 Hz, 220-240 V AC, 5 A, 50/60 Hz	120 V AC, 9.1 A, 50/60 Hz 220-240 V AC, 4.8 A, 50/60 Hz	120 V AC, 9.1 A, 50/60 Hz 220-240 V AC, 4.8 A, 50/60 Hz	120 V AC, 9 A, 50/60 Hz 220-240 V AC, 4.7 A, 50/60 Hz
	Power consumption	1,000 W (120 V AC)/970 W (220-240 V AC)	980 W (120 V AC)/950 W (220-240 V AC)	980 W (120 V AC)/950 W (220-240 V AC)	925 W (120 V AC)/900 W (220-240 V AC)
	BTU value	120 V: 3,413 BTU / 220–240 V: 3,311 BTU	120 V: 3,345 BTU / 220–240 V: 3,242 BTU	120 V: 3,345 BTU / 220–240 V: 3,242 BTU	120 V: 3,157 BTU / 220–240 V: 3,072 BTU
	Operation noise	45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO)	45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO)	45 dB (HIGH)/43 dB (MIDDLE)/37 dB (ECO)	43 dB (NORMAL)/37 dB (ECO)
	Dimensions (W x H x D)	530 x 200[9] x 548.5 mm[10] (20-7/8 x 7-7/8[9] x 21-19/32 inches)[10]	530 x 200[9] x 548.5 mm[10] (20-7/8 x 7-7/8[9] x 21-19/32 inches)[10]	530 x 200[9] x 548.5 mm[10] (20-7/8 x 7-7/8[9] x 21-19/32 inches)[10]	530 x 200[9] x 548.5 mm[10] (20-7/8 x 7-7/8[9] x 21-19/32 inches)[10]
	Weight[4]	Approx. 24 kg/52.9 lbs	Approx. 24 kg/52.9 lbs	Approx. 24 kg/52.9 lbs	Approx. 24 kg/52.9 lbs
Features	Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter
	Signal input (maximum)[5]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Edge Blending	Yes	Yes	Yes	Yes
	Geometric Adjustment	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)	–	Yes
	Multi-Unit Brightness Control	Yes	Yes	Yes	Yes
	Portrait mode	Yes[6]	Yes[6]	Yes[6]	Yes[6]
	Daylight View	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2
	Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
	P-in-P	Yes	Yes	Yes	Yes
	Backup Input	Yes	Yes	Yes	Yes
Accessory	Replacement lamp	ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode)	ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode)	ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode)	ET-LAD310A/ET-LAD310AW ET-LAD320P/ET-LAD320PW (for portrait mode)
	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-UK20 (Geometry Manager Pro Upgrade kit) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PAD310 (Attachment for ceiling mount bracket) ET-PFD310 (Frame) ET-EMF320 (Replacement filter unit) ET-SFD320 (Smoke cut filter) ET-CUK10/CUK10P (Auto Screen Adjustment Upgrade Kit)
	Optional lens	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)	Yes (please see the Optional Lenses page: P43)
	Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	Power cord, wireless/wired remote control unit, batteries for remote control unit, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The screen size is that of the original aspect ratio. *3: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Mounting the optional lamp unit for portrait mode and updating the projector's firmware to MAIN Ver. 2.00 or later are required.

*7: 1.78-15.24 m (70-600 inches) with the ET-D75LE8. 3.05-15.24 m (120 -600 inches) with the ET-D75LE95.*8: Vertical ±44 % and horizontal ±15 % with the ET-D75LE6. *9: Height: with legs at shortest position. *10: Depth: lens not included. *11: Vertical ±40 % and horizontal ±20 % with the ET-D75LE6. *12: Vertical ±60 % and horizontal ±20 % with the ET-D75LE6. *13: ET-UK20 is unavailable.

Large-Venue

PT-EX16K

LCD Projector	Pure Color Control
16,000 lm	XGA	

* Lens sold separately.

Optical	Panel type	46 mm (1.8 inches) LCD x 3
	Aspect ratio	4:3
	Lamp	380 W UHM x 4
	Lamp Life*1	2,000 hours (NORMAL)/3,000 hours (ECO1, ECO2)
	Brightness	16,000 lm
	Contrast (full on/full off)	2,500:1
	Resolution	XGA (1,024 x 768)
	Screen size (diagonal)*2	1.02-15.24 m (40-600 inches)*6
	Lens shift*3	Vertical: ±39 %*7, horizontal: ±10 %*7 (powered)
Interface	Terminals	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB in [D-sub HD 15-pin x 1 (RGB x 1)] RGB in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] S-Video in [Mini-DIN 4-pin x 1] Serial in [D-sub 9-pin x 1 (RS-232C x 1)] Serial out [D-sub 9-pin x 1 (RS-232C x 1)] Remote 1 in [M3 x 1] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-B x 1] Optional board slot [Slot x 2]
General	Power supply	200-240 V AC, 11 A, 50/60 Hz
	Power consumption	1,850 W
	BTU value	Max. 6,312 BTU
	Operation noise	51 dB (NORMAL, ECO2)/48 dB (ECO1)
	Dimensions (W x H x D)	650 x 349*8 x 815 mm*9 (25-19/32 x 13-3/4*8 x 32-3/32 inches)*9
	Weight*4	Approx. 46.5 kg/102.5 lbs
Features	Filter	Pleated Air Filter
	Signal input (maximum)*5	1,920 x 1,200
	Edge Blending	Yes
	Geometric Adjustment	-
	Multi-Unit Brightness Control	-
	Portrait mode	-
	Daylight View	-
	Detail Clarity Processor	-
	P-in-P	-
	Backup Input	-
Accessory	Replacement lamp	ET-LAE16
	Optional accessories	ET-PKE16H (High ceiling mount bracket) ET-PKE16S (Low ceiling mount bracket) ET-PKE16B (Bracket assembly) ET-MD16SD1 (HD-SDI/SD-SDI board) ET-SFE16 (Smoke cut filter unit) ET-RFE16 (Replacement filter unit)
	Optional lens	Yes (please see the Optional Lenses page: P45)
	Standard accessories	Power cord, wireless/wired remote control unit, batteries for remote control unit, computer cable, lens attachment, lens lock lever fixing bracket, lightshielding plate, spacer, cable tie, CD-ROM*10

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The screen size is that of the original aspect ratio. *3: The lens shift cannot be used or its range of operation is limited with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: 2.54-15.24 m (100-600 inches) with the ET-ELS03. *7: Vertical ±39 % with the ET-ELW06, and vertical ±50% and horizontal ±10 % with ET-ELS02. *8: Height: with legs at shortest position. *9: Depth: lens not included. *10: CD-ROM includes Logo Transfer Software, Multi Projector Monitoring and Control Software, and Real Color Manager Pro.

Panasonic's Dynamic New Show Stopping Laser Projector for Large Venues

NEW PRODUCTS

3-Chip DLP™ Projector

PT-**RZ21K**	21,000 lm (Center)*1/20,000 lm	WUXGA
PT-**RS20K**	21,000 lm (Center)*1/20,000 lm	SXGA+

SOLID SHINE LASER DIGITAL LINK Geo.Pro 24/7 Operation 360°

>> P6

Flagship Picture Quality

• The World's Smallest and Lightest*2 20,000-lumens Laser Projector

Combining SOLID SHINE Laser with next-generation 3-Chip DLP™ processing technology, the PT-RZ21K Series develops 21,000 lumens*1 of brightness with truly spectacular color performance.

High Reliability in Dusty Environments

• Dual-Laser Drive

Solid-state laser diodes are grouped into two discrete modules. A redundancy circuit minimizes brightness- and color-uniformity loss should a laser diode fail, making the PT-RZ21K Series ideal for mission-critical applications.

• Shielded and Dustproof Optical Unit

Hermetically shielded laser modules, durable filtering, and refined air-intake maintain brightness and extend life in dusty location.

Clean Environment	WHO Europe Guideline for Dust Resistance	Japanese Building Maintenance Association ASHRAE*3
0.030 mg/m³	0.110 mg/m³	0.150 mg/m³
CLEAN		**DUSTY**

Panasonic Dust Test Standard

• Filterless Design

The Panasonic PT-RZ21K Series is the world's first 3-Chip DLP™ laser projector*4 to eliminate need for a consumable air filter, enabling maintenance-free operational life of 20,000 hours*5 for the whole projector. This is achieved with a hermetically shielded optical engine and heat-pipe-based internal cooling system with a one-way airflow.

SEALING	COOLING	FILTERLESS*5
Prevents air and dust intrusion	Heat Pipe	20,000-hour maintenance-free*5
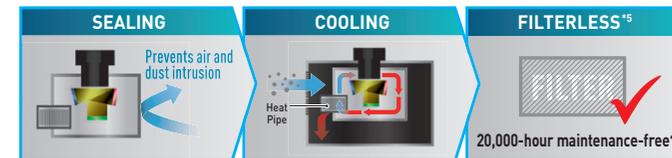
Supreme Flexibility

• 360-degree Free Orientation
• Quick Start and Quick Off

Available from August 2018

3-Chip DLP™ Projector

PT-**RQ22K**	21,000 lm (Center)*1/20,000 lm	4K+*6

SOLID SHINE LASER 4K DIGITAL LINK Geo.Pro 360°

*1: Luminance measured at center of screen. *2: World's Smallest and Lightest laser projector in the 20,000-lumens class as of December 2017.
*3: American Society of Heating, Refrigerating, and Air-Conditioning Engineers. *4: As of October 2017.
*5: At this time the brightness would have decreased to approximately 1/2 of its original level. After approximately 20,000 hours, cleaning needs to be performed (by the vendor which you purchased from). The light source's lifetime may be shortened due to environmental conditions and operating mode.
*6: Resolution 5,120 x 3,200 Pixels (QUAD PIXEL DRIVE: ON)

For more information about the PT-RZ21K/RS20K projector, please visit the website. **>>> panasonic.net/cns/projector/products/rz21k/**

Installation

	PT-RZ970 / PT-RZ970L*6	PT-RW930 / PT-RW930L*6	PT-RX110 / PT-RX110L*6	PT-RZ870 / PT-RZ870L*6 (Available from July 2018)	PT-RZ770 / PT-RZ770L*6
	DIGITAL LINK / SOLID SHINE LASER / 24/7 Operation / 360°	DIGITAL LINK / SOLID SHINE LASER / 24/7 Operation / 360°	DIGITAL LINK / SOLID SHINE LASER / 24/7 Operation / 360°	DIGITAL LINK / SOLID SHINE LASER / 24/7 Operation / 360°	DIGITAL LINK / SOLID SHINE LASER / 24/7 Operation / 360°
	1-Chip DLP™ Projector / 10,000 lm (Center)*7/9,400 lm / WUXGA / Geo. Pro	1-Chip DLP™ Projector / 10,000 lm (Center)*7/9,400 lm / WXGA	1-Chip DLP™ Projector / 10,400 lm (Center)*7/10,000 lm / XGA	1-Chip DLP™ Projector / 8,800 lm (Center)*7/8,500 lm / WUXGA / Geo. Pro	1-Chip DLP™ Projector / 7,200 lm (Center)*7/7,000 lm / WUXGA / Geo. Pro
	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.

Optical

	PT-RZ970 / PT-RZ970L	PT-RW930 / PT-RW930L	PT-RX110 / PT-RX110L	PT-RZ870 / PT-RZ870L	PT-RZ770 / PT-RZ770L
Panel type	17.0 mm (0.67 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	17.8 mm (0.7 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1
Aspect ratio	16:10	16:10	4:3	16:10	16:10
Light source	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
Light source life*1	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)
Brightness	10,000 lm (Center)*7 / 9,400 lm	10,000 lm (Center)*7 / 9,400 lm	10,400 lm (Center)*7 / 10,000 lm	8,800 lm (Center)*7 / 8,500 lm	7,200 lm (Center)*7 / 7,000 lm
Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ970)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW930)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RX110)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ870)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ770)
Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	10,000:1	10,000:1
Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
Screen size (diagonal)*2	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8
Lens shift*3	Vertical: +50 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +60 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +50 %/-13 %*13, horizontal: +30 %*9/-10 % powered	Vertical: +50 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +50 %/-16 %, horizontal: +30 %*9/-10 % (powered)

Interface

	PT-RZ970 / PT-RZ970L	PT-RW930 / PT-RW930L	PT-RX110 / PT-RX110L	PT-RZ870 / PT-RZ870L	PT-RZ770 / PT-RZ770L
Terminals	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]

General

	PT-RZ970 / PT-RZ970L	PT-RW930 / PT-RW930L	PT-RX110 / PT-RX110L	PT-RZ870 / PT-RZ870L	PT-RZ770 / PT-RZ770L
Power supply	100-240 V AC, 10.4-5.0 A, 50/60 Hz	100-240 V AC, 10.4-5.0 A, 50/60 Hz	100-240 V AC, 10.4-5.0 A, 50/60 Hz	100-240 V AC, 8.3-3.3 A, 50/60 Hz	100-240 V AC, 8.3-3.3 A, 50/60 Hz
Power consumption	1,050 W	1,050 W	1,050 W	950 W	825 W
BTU value	Max. 3,584 BTU	Max. 3,584 BTU	Max. 3,584 BTU	Max. 3,242 BTU	Max. 2,815 BTU
Operation noise	41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2)	41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2)	41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2)	41dB (NORMAL)/37dB (QUIET1)/35dB (QUIET2)	36 dB
Dimensions (W x H x D)	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11
Weight*4	Approx. 23.2 kg/51.1 lbs (PT-RZ970L: approx. 22.4 kg/49.4 lbs)	Approx. 23.2 kg/51.1 lbs (PT-RW930L: approx. 22.4 kg/49.4 lbs)	Approx. 23.2 kg/51.1 lbs (PT-RX110L: approx. 22.4 kg/49.4 lbs)	Approx. 23.2 kg/51.1 lbs (PT-RZ870L: approx. 22.4 kg/49.4 lbs)	Approx. 23.2 kg/51.1 lbs (PT-RZ770L: approx. 22.4 kg/49.4 lbs)

Features

	PT-RZ970 / PT-RZ970L	PT-RW930 / PT-RW930L	PT-RX110 / PT-RX110L	PT-RZ870 / PT-RZ870L	PT-RZ770 / PT-RZ770L
Filter	Filter-free	Filter-free	Filter-free	Filter-free	Filter-free
Signal input (maximum)*5	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Maintenance-free duration	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1
Edge Blending	Yes	Yes	Yes	Yes	Yes
Geometric Adjustment	Yes (Optional upgrade kit available)	Yes	Yes	Yes (Optional upgrade kit available)	Yes (Optional upgrade kit available)
Portrait mode	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)
Contrast Sync and Shutter Sync	Yes	Yes	Yes	Yes	Yes
Daylight View	System Daylight View 3	System Daylight View 3	System Daylight View 3	System Daylight View 3	System Daylight View 3
Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
P-in-P	Yes	Yes	Yes	Yes	Yes

Accessory

	PT-RZ970 / PT-RZ970L	PT-RW930 / PT-RW930L	PT-RX110 / PT-RX110L	PT-RZ870 / PT-RZ870L	PT-RZ770 / PT-RZ770L
Optional accessories	ET-PKD130H (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-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD130H (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-PKD130H (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-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 (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)
Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution.

*6: Lens-less model. *7: Luminance measured at center of screen. *8: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-7.62 m (100-350 inches) with the ET-DLE030. *9: Horizontal +28% with the ET-DLE085. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 538 mm (21-3/16 inches) for the lens-less models. *12: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software. *13: Vertical +45 %/-13 % with the ET-DLE085.

Installation

		PT-RW730 / PT-RW730L*6	PT-RZ660 / PT-RZ660L*6	PT-RW620 / PT-RW620L*6	PT-RZ570	PT-RZ575
		1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector	1-Chip DLP™ Projector
		7,200 lm (Center)*7/7,000 lm WXGA	6,200 lm (Center)*7/6,000 lm WUXGA Geo.Pro	6,200 lm (Center)*7/6,000 lm WXGA	5,400 lm (Center)*7/5,200 lm WUXGA	5,200 lm (Center)*7/5,000 lm WUXGA
		* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	* Available in black/white cabinet.	
Optical	Panel type	16.5 mm (0.65 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1
	Aspect ratio	16:10	16:10	16:10	16:10	16:10
	Light source	Laser diode	Laser diode	Laser diode	Laser diode	Laser diode
	Light source life*1	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL)/24,000 hours (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)	20,000 hours (NORMAL, SILENT)/ 24,000 hours (ECO)	20,000 hours (NORMAL, SILENT)/24,000 (ECO)/ 43,000 hours (LONG LIFE1)/61,000 hours (LONG LIFE2)/ 87,000 hours (LONG LIFE3)
	Brightness	7,200 lm (Center)*7 / 7,000 lm	6,200 lm (Center)*7 / 6,000 lm	6,200 lm (Center)*7 / 6,000 lm	5,400 lm (Center)*7 / 5,200 lm	5,200 lm (Center)*7 / 5,000 lm
	Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW730)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-RZ660)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-RW620)	F 2.0-3.4, f 21.5-43.0 mm (1.46-2.94:1)	F 1.75, f 11.9 mm (0.8:1)
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	20,000:1	20,000:1
	Resolution	WXGA (1,280 x 800)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)
	Screen size (diagonal)*2	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)
	Lens shift*3	Vertical: +60 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +50 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +60 %/-16 %, horizontal: +30 %*9/-10 % (powered)	Vertical: +64 %/-44 %, horizontal: +34 %/-27 % (manual)	Vertical: ±4.4 %, horizontal: ±2.1 % (powered)
Interface	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L x 1, R x 1)] Audio in 2/3 [M3 x 2 (L-R x 2)] Audio out [M3 x 1 (L-R 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 [USB type-A x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1 [Pin jack x 2 (L x 1, R x 1)] Audio in 2/3 [M3 x 2 (L-R x 2)] Audio out [M3 x 1 (L-R 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 [USB type-A x 1]
General	Power supply	100-240 V AC, 8.3-3.3 A, 50/60 Hz	100-240 V AC, 7.1-2.8 A, 50/60 Hz	100-240 V AC, 7.1-2.8 A, 50/60 Hz	100-240 V AC, 5.9-2.3 A, 50/60 Hz	100-240 V AC, 5.9-2.3 A, 50/60 Hz
	Power consumption	825 W	700 W	700 W	500 W	500 W
	BTU value	Max. 2,815 BTU	Max 2,389 BTU	Max 2,389 BTU	Max 1,706 BTU	Max 1,706 BTU
	Operation noise	36 dB	35 dB	35 dB	33 dB (NORMAL, ECO)/28 dB (SILENT)	33 dB (NORMAL, ECO)/28 dB (SILENT)
	Dimensions (W x H x D)	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 200*10 x 581 mm*11 (19-19/32 x 7-7/8*10 x 22-7/8 inches)*11	498 x 168*10 x 492 mm (19-19/32 x 6-5/8*10 x 19-3/8 inches)	498 x 168*10 x 481 mm (19-19/32 x 6-5/8*10 x 18-15/16 inches)
	Weight*4	Approx. 23.2 kg/51.1 lbs (PT-RW730L: approx. 22.4 kg/49.4 lbs)	Approx. 23.1 kg/50.9 lbs (PT-RZ660L: approx. 22.3 kg/49.2 lbs)	Approx. 23.1 kg/50.9 lbs (PT-RW620L: approx. 22.3 kg/49.2 lbs)	Approx. 16.3 kg/35.9 lbs	Approx. 16.6 kg/36.6 lbs
Features	Filter	Filter-free	Filter-free	Filter-free	Filter-free	Filter-free
	Signal input (maximum)*5	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Maintenance-free duration	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1	20,000 hours*1
	Edge Blending	Yes	Yes	Yes	Yes	Yes
	Geometric Adjustment	Yes	Yes (Optional upgrade kit available)	Yes	-	-
	Portrait mode	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)	Yes (360-degree free installation capability)
	Contrast Sync and Shutter Sync	Yes	Yes	Yes	-	-
	Daylight View	System Daylight View 3	System Daylight View 3	System Daylight View 3	Daylight View Basic	Daylight View Basic
	Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
	DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
	P-in-P	Yes	Yes	Yes	Yes	Yes
Accessory	Optional accessories	ET-PKD130H (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-PKD130H (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-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	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-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)
	Optional lens	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	-	-
	Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight.

*5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Lens-less model. *7: Luminance measured at center of screen. *8: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-7.62 m (100-350 inches) with the ET-DLE030. *9: Horizontal +28% with the ET-DLE085. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 538 mm (21-3/16 inches) for the lens-less models. *12: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

Installation

		PT-MZ770 / PT-MZ770L*6 (Available from July 2018)	PT-MW730 / PT-MW730L*6 (Available from July 2018)
		LCD Projector — 8,000 lm — WUXGA	LCD Projector — 8,000 lm — WXGA

Optical	Panel type	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3
	Aspect ratio	16:10	16:10
	Light source	Laser diode	Laser diode
	Light source life*1	20,000 hours	20,000 hours
	Brightness	8,000 lm	8,000 lm
	Lens (throw ratio)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ770)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW730)
	Contrast (full on/full off)	3,000,000:1	3,000,000:1
	Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)
	Screen size (diagonal)*2	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8
	Lens shift*3	Vertical: ±67 %*9, horizontal: ±35 % (powered)*9	Vertical: ±67 %*9, horizontal: ±35 % (powered)*9

Interface	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)]
		RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)]
		RGB 2 in [D-sub HD 15-pin x 1
		  (RGB/YPBPR/YCBCR x 1)]
		Composite video in [Pin jack x 1]
		Monitor out [D-sub HD 15-pin x 1
		  (RGB/YPBPR/YCBCR x 1)]
		Audio in 1/2 [M3 x 2 (L-R x 2)]
		Audio in 3 [Pin jack x 2 (L x 1, R x 1)]
		Audio out [M3 x 1 (L-R x 1)]
		Serial in [D-sub 9-pin x 1 (RS-232C)]
		Remote 1 in [M3 x 1]
		Remote 2 in [D-sub 9-pin x 1]
		LAN [RJ-45 x 1]
		LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
		USB [USB type-A x 2, for Viewer/pairing x 1,
		  for power supply (DC 5 V, up to 2 A) x 1)]
			HDMI in [HDMI 19-pin x 2 (HDCP compatible)]
			RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)]
			RGB 2 in [D-sub HD 15-pin x 1
			  (RGB/YPBPR/YCBCR x 1)]
			Composite video in [Pin jack x 1]
			Monitor out [D-sub HD 15-pin x 1
			  (RGB/YPBPR/YCBCR x 1)]
			Audio in 1/2 [M3 x 2 (L-R x 2)]
			Audio in 3 [Pin jack x 2 (L x 1, R x 1)]
			Audio out [M3 x 1 (L-R x 1)]
			Serial in [D-sub 9-pin x 1 (RS-232C)]
			Remote 1 in [M3 x 1]
			Remote 2 in [D-sub 9-pin x 1]
			LAN [RJ-45 x 1]
			LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
			USB [USB type-A x 2, for Viewer/pairing x 1,
			  for power supply (DC 5 V, up to 2 A) x 1)]

General	Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
	Power consumption	570 W	545 W
	BTU value	TBD	TBD
	Operation noise	35 dB (NORMAL/ECO)/ 28 dB (QUIET)	35 dB (NORMAL/ECO)/ 28 dB (QUIET)
	Dimensions (W x H x D)	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11
	Weight*4	Approx. 17.1 kg/37.7 lbs (PT-MZ770L: approx. 16.2 kg/35.7 lbs)	Approx. 17.1 kg/37.7 lbs (PT-MW730L: approx. 16.2 kg/35.7 lbs)
Features	Filter	Eco Filter	Eco Filter
	Signal input (maximum)*5	4,096 x 2,160	1,920 x 1,200
	Emulation	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic
	DICOM Simulation Mode	Yes	Yes
	Corner Keystone	Yes	Yes
	P-in-P	-	-
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
	Audio Out During Standby	Yes	Yes
Accessory	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)
	Optional lens	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)
	Standard accessories	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Lens-less model. *7: The optional ET-WM300 Wireless Module is required. *8: 1.52-10.16 m (60-400 inches) with the ET-ELW22. *9: Vertical ±60% and horizontal ±30% with the ET-ELW22. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 428 mm (16-27/32 inches) for the lens-less models. *12: CD-ROM includes an Operation Manual.

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.

Convenient Wireless Features

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.
Supported projector: PT-MZ770/MW730*1, PT-MZ670/MZ570/MW630/MW530*1 and PT-VZ585N/VW545N/VX615N.

Panasonic's Original Software

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.
Supported projector: PT-MZ770/MW730*1, PT-MZ670/MZ570/MW630/MW530*1 and PT-VZ585N/VW545N/VX615N.

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.

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.
Supported projector: PT-MZ770/MW730*1, PT-MZ670/MZ570/MW630/MW530*1, PT-VZ585N/VW545N/VX615N, PT-VW360/VX420*2, PT-LW373/LW333/LB423/LB383/LB353*2, PT-JX200G/JX200H/JX200F and PT-JW130G/JW130H/JW130F.

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.
x 1

Interactive
Up to 10 users can project at any time for open collaboration.
x 10
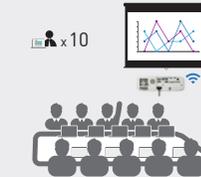
Moderated
The chairperson controls media display permission for up to 10 participants.
x 1 Chairperson
x 9 Presenter

Wireless Projection by Optional Module (ET-WML100)

The optional ET-WML100 wireless USB module allows wireless projection from Windows® PCs, iOS devices, or Android™ devices loaded with an appropriate app.
Supported projector: PT-EZ590/EW650/EX620/EW550/EX520, PT-FZ570/FW530/FX500, PT-VW360/VX420, PT-LW373/LW333/LB423/LB383/LB353 and PT-TW351R/TW350/TX410/TX320.

Featured image: ET-WML100E

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.

*1: Optional Wireless Module ET-WM300 is required for wireless projection. *2: Optional Wireless Module ET-WML100 is required for wireless projection.

Note: For models supporting wireless functionality, please refer to the "Features" section of each specification sheet.

Installation

	PT-MZ670 / PT-MZ670L*6	PT-MZ570 / PT-MZ570L*6	PT-MW630 / PT-MW630L*6	PT-MW530 / PT-MW530L*6
	LCD Projector — 6,500 lm — WUXGA	LCD Projector — 5,500 lm — WUXGA	LCD Projector — 6,500 lm — WXGA	LCD Projector — 5,500 lm — WXGA

Optical

	PT-MZ670 / MZ670L	PT-MZ570 / MZ570L	PT-MW630 / MW630L	PT-MW530 / MW530L
Panel type	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3	19.3 mm (0.76 inches) LCD x 3
Aspect ratio	16:10	16:10	16:10	16:10
Light source	Laser diode	Laser diode	Laser diode	Laser diode
Light source life*1	20,000 hours	20,000 hours	20,000 hours	20,000 hours
Brightness	6,500 lm	5,500 lm	6,500 lm	5,500 lm
Lens (throw ratio)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ670)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MZ570)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW630)	F 1.7-2.3, f 26.8-45.5 mm (1.6-2.8:1) (PT-MW530)
Contrast (full on/full off)	3,000,000:1	3,000,000:1	3,000,000:1	3,000,000:1
Resolution	WUXGA (1,920 x 1,200)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)
Screen size (diagonal)*2	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8	1.02-10.16 m (40-400 inches)*8
Lens shift*3	Vertical: ±67 %*9, horizontal: ±35 % (powered)*9	Vertical: ±67 %*9, horizontal: ±35 % (powered)*9	Vertical: ±67 %*9, horizontal: ±35 % (powered)*9	Vertical: ±67 %*9, horizontal: ±35 %(powered)*9

Interface

	PT-MZ670 / MZ670L	PT-MZ570 / MZ570L	PT-MW630 / MW630L	PT-MW530 / MW530L
Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1)]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1] USB [USB type-A x 2, for Viewer/pairing x 1, for power supply (DC 5 V, up to 2 A) x 1)]

General

	PT-MZ670 / MZ670L	PT-MZ570 / MZ570L	PT-MW630 / MW630L	PT-MW530 / MW530L
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption	525 W	450 W	505 W	415 W
BTU value	Max. 1,792 BTU	Max. 1,536 BTU	Max 1,724 BTU	Max 1,416 BTU
Operation noise	32 dB (NORMAL/ECO)/ 26 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)	32 dB (NORMAL/ECO)/ 26 dB (QUIET)
Dimensions (W x H x D)	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11	560 x 205*10 x 443 mm*11 (22-1/16 x 8-1/16*10 x 17-7/16 inches)*11
Weight*4	Approx. 16.9 kg/37.3 lbs (PT-MZ670L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MZ570L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MW630L: approx. 16.1 kg/35.5 lbs)	Approx. 16.9 kg/37.3 lbs (PT-MW530L: approx. 16.1 kg/35.5 lbs)

Features

	PT-MZ670 / MZ670L	PT-MZ570 / MZ570L	PT-MW630 / MW630L	PT-MW530 / MW530L
Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter
Signal input (maximum)*5	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Emulation	Yes	Yes	Yes	Yes
Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
DICOM Simulation Mode	Yes	Yes	Yes	Yes
Corner Keystone	Yes	Yes	Yes	Yes
P-in-P	-	-	-	-
Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
Audio Out During Standby	Yes	Yes	Yes	Yes

Accessory

	PT-MZ670 / MZ670L	PT-MZ570 / MZ570L	PT-MW630 / MW630L	PT-MW530 / MW530L
Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE301B (Attachment for ceiling mount bracket) ET-RMF100 (Replacement filter) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WM300 (Wireless module)
Optional lens	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)
Standard accessories	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12	Power cord, power cord secure lock, wireless remote control unit, batteries for remote control unit, CD-ROM*12

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight.

*5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Lens-less model. *7: The optional ET-WM300 Wireless Module is required. *8: 1.52-10.16 m (60-400 inches) with the ET-ELW22. *9: Vertical ±60% and horizontal ±30% with the ET-ELW22. *10: Height: with legs at shortest position. *11: Depth: including the supplied lens. Depth: 428 mm (16-27/32 inches) for the lens-less models. *12: CD-ROM includes an Operation Manual.

Large-Venue | Installation | Portable | Short Throw | Space Player

Installation

	PT-**RZ475**	PT-**RZ470**	PT-**RW430**	PT-**RZ370**	PT-**RW330**
	SOLID SHINE / DIGITAL LINK / 3D PROFESSIONAL	SOLID SHINE / DIGITAL LINK / 3D PROFESSIONAL	SOLID SHINE / DIGITAL LINK / 3D PROFESSIONAL	SOLID SHINE / DIGITAL LINK	SOLID SHINE / DIGITAL LINK
	1-Chip DLP™ Projector / 3,000 lm / Full HD / Portrait / 24/7 Operation	1-Chip DLP™ Projector / 3,500 lm / Full HD / Portrait / 24/7 Operation	1-Chip DLP™ Projector / 3,500 lm / WXGA / Portrait / 24/7 Operation	1-Chip DLP™ Projector / 3,500 lm / Full HD / 24/7 Operation	1-Chip DLP™ Projector / 3,500 lm / WXGA / 24/7 Operation
		* Available in black/white cabinet.	* Available in black/white cabinet.		

Optical

	PT-RZ475	PT-RZ470	PT-RW430	PT-RZ370	PT-RW330
Panel type	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1
Aspect ratio	16:9	16:9	16:10	16:9	16:10
Light source	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)	LED/Laser-combined (R, B: LED; G: Laser diode)
Light source life[*1]	27,000 hours (NORMAL)/61,000 hours (ECO1)/ 87,000 hours (ECO2)	20,000 hours	20,000 hours	20,000 hours	20,000 hours
Brightness	3,000 lm	3,500 lm	3,500 lm	3,500 lm	3,500 lm
Lens (throw ratio)	F 1.8, f 11.9 mm (0.8:1)	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 (1.53-3.09:1)	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 (1.53-3.09:1)
Contrast (full on/full off)	20,000:1	20,000:1	20,000:1	10,000:1	10,000:1
Resolution	Full HD (1,920 x 1,080)	Full HD (1,920 x 1,080)	WXGA (1,280 x 800)	Full HD (1,920 x 1,080)	WXGA (1,280 x 800)
Screen size (diagonal)[*2]	1.02-5.08 m (40-200 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)
Lens shift	Vertical: ±10 %, horizontal: ±3.4 % (manual)	Vertical: +73 %/-48 %, horizontal: +35 %/-27 % (manual)	Vertical: +69 %/-46 %, horizontal: +37 %/-28 % (manual)	Vertical: +73 %/-48 %, horizontal: +35 %/-27 % (manual)	Vertical: +69 %/-46 %, horizontal: +37 %/-28 % (manual)

Interface

	PT-RZ475	PT-RZ470	PT-RW430	PT-RZ370	PT-RW330
Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1 (for 3D Transmitter connection)]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1 (for 3D Transmitter connection)]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1] 3D SYNC out [Mini Din 3pin x 1 (for 3D Transmitter connection)]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-I in [DVI-I 29-pin x 1 (Digital: HDCP compatible) (Analog: RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in [M3 x 1 (L-R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN/DIGITAL LINK [RJ-45 x 1]

General

	PT-RZ475	PT-RZ470	PT-RW430	PT-RZ370	PT-RW330
Power supply	100-240 V AC, 5.0-1.8 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz	100-240 V AC, 5.2-2.0 A, 50/60 Hz
Power consumption	430 W (Normal/ECO1: 230 W, ECO2: 170 W) [*5]	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W) [*5]	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W) [*5]	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W) [*5]	460 W (Normal: 250 W, ECO1: 200 W, ECO2: 178 W) [*5]
BTU value	Max.1,467 BTU	Max. 1,570 BTU	Max. 1,570 BTU	Max. 1,570 BTU	Max. 1,570 BTU
Operation noise	35 dB (NORMAL)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)	35 dB (NORMAL)/29 dB (LOW)
Dimensions (W x H x D)	455 x 137[*6] x 409 mm[*7] (17-29/32 x 5-13/32[*6] x 16-3/32 inches)[*7]	455 x 137[*6] x 415 mm[*7] (17-29/32 x 5-13/32[*6] x 16-11/32 inches)[*7]	455 x 137[*6] x 415 mm[*7] (17-29/32 x 5-13/32[*6] x 16-11/32 inches)[*7]	455 x 137[*6] x 415 mm[*7] (17-29/32 x 5-13/32[*6] x 16-11/32 inches)[*7]	455 x 137[*6] x 415 mm[*7] (17-29/32 x 5-13/32[*6] x 16-11/32 inches)[*7]
Weight[*3]	Approx. 11.5 kg/25.4 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs	Approx. 11.0 kg/24.3 lbs

Features

	PT-RZ475	PT-RZ470	PT-RW430	PT-RZ370	PT-RW330
Filter	Filter-free	Filter-free	Filter-free	Filter-free	Filter-free
Signal input (maximum)[*4]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Maintenance-free duration	3 years (Normal)[*1]	20,000 hours[*1]	20,000 hours[*1]	20,000 hours[*1]	20,000 hours[*1]
Edge Blending	Yes	Yes	Yes	–	–
Emulation	Yes	Yes	Yes	Yes	Yes
Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
3D Ready	Yes	Yes	Yes	–	–
DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
Portrait Mode	Yes	Yes	Yes	–	–
Audio Out During Standby	Yes	Yes	Yes	Yes	Yes

Accessory

	PT-RZ475	PT-RZ470	PT-RW430	PT-RZ370	PT-RW330
Optional accessories	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-PKR100P (Portrait mode mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKR100H (High ceiling mount bracket) ET-PKR100S (Low ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
Standard accessories	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM[*8]	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM[*8]	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM[*8]	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM[*8]	Power cord (with secure lock), wireless remote control unit, batteries for remote control unit, software CD-ROM[*8]

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: Average value. Each product has an individual variable in weight.

*4: Input signals that exceed the native resolution will be converted to the native resolution. *5: In STANDARD/GRAPHIC picture mode. Measured based on the power consumption rate and a measurement method for the TV receiver. *6: Height: with legs at shortest position. *7: Depth: including the lens. *8: CD-ROM includes Logo Transfer Software and Multi Projector Monitoring and Control Software.

Installation

		PT-DZ870 / PT-DZ870L*6	PT-DW830 / PT-DW830L*6	PT-DX100 / PT-DX100L*6	PT-DZ780 / PT-DZ780L*6	PT-DW750 / PT-DW750L*6
		1-Chip DLP™ Projector 8,500 lm WUXGA DIGITAL LINK 3D PROFESSIONAL 24/7 Operation Geo.Pro Portrait*7 * Available in black/white cabinet.	1-Chip DLP™ Projector 8,500 lm WXGA DIGITAL LINK 3D PROFESSIONAL 24/7 Operation Portrait*7 * Available in black/white cabinet.	1-Chip DLP™ Projector 10,000 lm XGA DIGITAL LINK 3D PROFESSIONAL 24/7 Operation Portrait*7 * Available in black/white cabinet.	1-Chip DLP™ Projector 7,000 lm WUXGA DIGITAL LINK 24/7 Operation Geo.Pro * Available in black/white cabinet.	1-Chip DLP™ Projector 7,000 lm WXGA DIGITAL LINK 24/7 Operation * Available in black/white cabinet.
Optical	Panel type	17.0 mm (0.67 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1	17.8 mm (0.7 inches) DLP™ chip x 1	17.0 mm (0.67 inches) DLP™ chip x 1	16.5 mm (0.65 inches) DLP™ chip x 1
	Aspect ratio	16:10	16:10	4:3	16:10	16:10
	Lamp	420 W UHM x 2	420 W UHM x 2	420 W UHM x 2	310 W UHM x 2	310 W UHM x 2
	Lamp life*1	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	3,000 hours (Dual, NORMAL)/ 4,000 hours (Dual, ECO)	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, ECO)	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, ECO)
	Brightness	8,500 lm	8,500 lm	10,000 lm	7,000 lm	7,000 lm
	Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-DZ870)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-DW830)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-DX100)	F 1.7-1.9, f 25.6-35.7 mm (1.7-2.4:1) (PT-DZ780)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-DW750)
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1	3,000:1	3,000:1
	Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)
	Screen size (diagonal)*2	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8	1.27-15.24 m (50-600 inches)*8
	Lens shift*3	Vertical: +50 %, horizontal: ±10 % (powered)	Vertical: +60 %, horizontal: ±10 % (powered)	Vertical: +50 %*12, horizontal: ±10 % (powered)	Vertical: +50 %/-16 %, horizontal: +30 %*13/-10 % (powered)	Vertical: +60 %/-16 %, horizontal: +30 %*13/-10 % (powered)
Interface	Terminals	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [BNC 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [BNC 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [BNC 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 (RS-232C)] Remote 1 in/out [M3 x 2 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	SDI in [BNC x 1 (3G/HD/SD-SDI x 1)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (DVI-D x 1 (HDCP compatible))] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]
General	Power supply	120-240 V AC, 10-5.2 A, 50/60 Hz	120-240 V AC, 10-5.2 A, 50/60 Hz	120-240 V AC, 10-5.2 A, 50/60 Hz	120 V AC, 8 A, 50/60 Hz, 220-240 V AC, 4.5 A, 50/60 Hz	120 V AC, 7.5 A, 50/60 Hz, 220-240 V AC, 4.3 A, 50/60 Hz
	Power consumption	1,030 W	1,030 W	1,030 W	790 W (except Taiwan), 785 W (Taiwan)	790 W (except Taiwan), 785 W (Taiwan)
	BTU value	3,516 BTU	3,516 BTU	3,516 BTU	2,696 BTU	2,696 BTU
	Operation noise	40 dB (Dual, NORMAL)/35 dB (Dual, ECO)	40 dB (Dual, NORMAL)/35 dB (Dual, ECO)	40 dB (Dual, NORMAL)/35 dB (Dual, ECO)	30 dB (Dual, NORMAL)/28 dB (Dual, ECO)	30 dB (Dual, NORMAL)/28 dB (Dual, ECO)
	Dimensions (W x H x D)	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 200*9 x 556 mm*10 (19-19/32 x 7-7/8*9 x 21-7/8 inches)*10	498 x 175*9 x 521 mm*14 (19-19/32 x 6-7/8*9 x 20-1/2 inches)*14	498 x 175*9 x 521 mm*14 (19-19/32 x 6-7/8*9 x 20-1/2 inches)*14
	Weight*4	Approx. 18.3 kg/40.3 lbs (PT-DZ870L: approx. 17.6 kg/38.8 lbs)	Approx. 18.3 kg/40.3 lbs (PT-DW830L: approx. 17.6 kg/38.8 lbs)	Approx. 18.3 kg/40.3 lbs (PT-DX100L: approx. 17.6 kg/38.8 lbs)	Approx. 17.8 kg/39.2 lbs (PT-DZ780L: approx. 17 kg/37.5 lbs)	Approx. 17.8 kg/39.2 lbs (PT-DW750L: approx. 17 kg/37.5 lbs)
Features	Filter	Filter-less	Filter-less	Filter-less	Filter-less	Filter-less
	Signal input (maximum)*5	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Edge Blending	Yes	Yes	Yes	Yes	Yes
	Geometric Adjustment	Yes (Optional upgrade kit available)	-	-	Yes (Optional upgrade kit available)	Yes
	Portrait mode	Yes*7	Yes*7	Yes*7	-	-
	Dynamic RGB Booster	Yes	Yes	Yes	Yes	Yes
	Daylight View	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2	System Daylight View 2
	Detail Clarity Processor	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3	Detail Clarity Processor 3
	DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
	P-in-P	Yes	Yes	Yes	Yes	Yes
Accessory	Replacement lamp	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD120/ET-LAD120W ET-LAD120P/ET-LAD120PW (for portrait mode)	ET-LAD70/ET-LAD70W	ET-LAD70/ET-LAD70W
	Optional accessories	ET-PKD130H (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-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)	ET-PKD130H (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-PKD130H (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-PKD120S (Low ceiling mount bracket) ET-PKD130B (Attachment for ceiling mount bracket) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box)
	Optional lens	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P47)
	Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Lens-less model. *7: Mounting the optional lamp unit for portrait mode and updating the projector's firmware to MAIN Ver. 2.00 or later are required.

*8: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-8.89 m (100-350 inches) with the ET-DLE030. *9: Height: with legs at shortest position. *10: Depth: including the supplied lens. Depth: 513 mm (20-3/16 inches) for the lens-less models. *11: CD-ROM includes Logo Transfer Software and Multi Projector Monitoring and Control Software. *12: Vertical +45% with the ET-DLE085. *13: Horizontal +28% with the ET-DLE085. *14: Depth: including the supplied lens. Depth: 508 mm (20 inches) for the lens-less models.

Installation

	PT-DX820 / PT-DX820L*6	PT-EZ770Z / PT-EZ770ZL*6	PT-EW730Z / PT-EW730ZL*6	PT-EX800Z / PT-EX800ZL*6
	1-Chip DLP™ Projector 8,200 lm / XGA * Available in black/white cabinet.	LCD Projector 6,500 lm / WUXGA	LCD Projector 7,000 lm / WXGA	LCD Projector 7,500 lm / XGA

Optical

	PT-DX820 / PT-DX820L	PT-EZ770Z / PT-EZ770ZL	PT-EW730Z / PT-EW730ZL	PT-EX800Z / PT-EX800ZL
Panel type	17.8 mm (0.7 inches) DLP™ chip x 1	19.0 mm (0.76 inches) LCD x 3	19.0 mm (0.76 inches) LCD x 3	20.0 mm (0.79 inches) LCD x 3
Aspect ratio	4:3	16:10	16:10	4:3
Lamp	310 W UHM x 2	400 W UHM	400 W UHM	400 W UHM
Lamp life*1	4,000 hours (Dual, NORMAL)/ 6,000 hours (Dual, 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)
Brightness	8,200 lm	6,500 lm	7,000 lm	7,500 lm
Lens (throw ratio)	F 1.7-1.9, f 25.6-35.7 mm (1.8-2.5:1) (PT-DX820)	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)
Contrast (full on/full off)	2,400:1	5,000:1	5,000:1	5,000:1
Resolution	XGA (1,024 x 768)	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
Screen size (diagonal)*2	1.27-15.24 m (50-600 inches)*7	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)
Lens shift*3	Vertical: +50 %/-13 %, horizontal: +30 %*8/-10 % (powered)	Vertical: ±60 %, horizontal: ±10 % (powered)	Vertical: ±60 %, horizontal: ±10 % (powered)	Vertical: ±50 %, horizontal: ±10 % (powered)

Interface

	PT-DX820 / PT-DX820L	PT-EZ770Z / PT-EZ770ZL	PT-EW730Z / PT-EW730ZL	PT-EX800Z / PT-EX800ZL
Built-in speaker	–	10.0 W (monaural)	–	–
Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC/video x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR 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 (in x 1, out x 1)] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK/Art-net [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]	DVI-D in [DVI-D 24-pin x 1 (HDCP compatible)] HDMI in [HDMI 19-pin x 1 (HDCP compatible)] DisplayPort in [DP-20P x 1 (DisplayPort 1.1, HDCP compatible)] RGB 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] RGB 2 in [BNC x 5 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [M3 x 1] Remote 2 in [D-sub 9-pin x 1] LAN/DIGITAL LINK [RJ-45 x 1]

General

	PT-DX820 / PT-DX820L	PT-EZ770Z / PT-EZ770ZL	PT-EW730Z / PT-EW730ZL	PT-EX800Z / PT-EX800ZL
Power supply	120 V AC, 7.5 A, 50/60 Hz, 220-240 V AC, 4.3 A, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption	790 W (except Taiwan), 785 W (Taiwan)	590 W	575 W	575 W
BTU value	2,696 BTU	Max. 2,013 BTU	Max. 1,962 BTU	Max. 1,962 BTU
Operation noise	30 dB (Dual, NORMAL)/28 dB (Dual, ECO)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/31 dB (ECO1)/29 dB (ECO2)
Dimensions (W x H x D)	498 x 175*9 x 521 mm*10 (19-19/32 x 6-7/8*9 x 20-1/2 inches)*10	530 x 177*9 x 445 mm*12 (20-7/8 x 6-31/32*9 x 17-17/32 inches)*12	530 x 177*9 x 445 mm*12 (20-7/8 x 6-31/32*9 x 17-17/32 inches)*12	530 x 177*9 x 445 mm*12 (20-7/8 x 6-31/32*9 x 17-17/32 inches)*12
Weight*4	Approx. 17.8 kg/39.2 lbs (PT-DX820L: approx. 17 kg/37.5 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EZ770ZL: approx. 9.8 kg/21.6 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EW730ZL: approx. 9.8 kg/21.6 lbs)	Approx. 10.6 kg/23.4 lbs (PT-EX800ZL: approx. 9.8 kg/21.6 lbs)

Features

	PT-DX820 / PT-DX820L	PT-EZ770Z / PT-EZ770ZL	PT-EW730Z / PT-EW730ZL	PT-EX800Z / PT-EX800ZL
Filter	Filter-less	Eco Filter	Eco Filter	Eco Filter
Signal input (maximum)*5	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Edge Blending	Yes	–	–	–
Geometric Adjustment	Yes	–	–	–
Emulation	–	Yes	Yes	Yes
Dynamic RGB Booster	Yes	–	–	–
Daylight View	System Daylight View 2	Daylight View Basic	Daylight View Basic	Daylight View Basic
Detail Clarity Processor	Detail Clarity Processor 3	–	–	–
DICOM Simulation Mode	Yes	Yes	Yes	Yes
Corner Keystone	Yes	Yes	Yes	Yes
P-in-P	Yes	Yes	Yes	Yes
Audio Out During Standby	–	Yes	Yes	Yes

Accessory

	PT-DX820 / PT-DX820L	PT-EZ770Z / PT-EZ770ZL	PT-EW730Z / PT-EW730ZL	PT-EX800Z / PT-EX800ZL
Replacement lamp	ET-LAD70/ET-LAD70W	ET-LAE300	ET-LAE300	ET-LAE300
Optional accessories	ET-PKD130H (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-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 (please see the Optional Lenses page: P47)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)
Standard accessories	Power cord, power cord secure lock, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM*11

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle. *2: The screen size is that of the original aspect ratio. *3: The lens shift cannot be used with a fixed-focus lens. *4: Average value. Each product has an individual variable in weight. *5: Input signals that exceed the native resolution will be converted to the native resolution. *6: Lens-less model.

*7: 1.27-5.08 m (50-200 inches) with the ET-DLE055. 2.54-8.89 m (100-350 inches) with the ET-DLE030. *8: Horizontal +28% with the ET-DLE085. *9: Height: with legs at shortest position. *10: Depth: including the supplied lens. Depth: 508 mm (20 inches) for the lens-less models. *11: CD-ROM includes Logo Transfer Software and Multi Projector Monitoring and Control Software. *12: Depth: including the lens. Depth: 385 mm (15-5/32 inches) for the lens-less models.

Installation

Portable

Short Throw

Space Player

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
		LCD Projector / 5,400 lm / WUXGA / WIRELESS *6	LCD Projector / 5,800 lm / WXGA / WIRELESS *6	LCD Projector / 5,000 lm / WXGA / WIRELESS *6	LCD Projector / 6,200 lm / XGA / WIRELESS *6	LCD Projector / 5,300 lm / XGA / WIRELESS *6
Optical	Panel type	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
	Aspect ratio	16:10	16:10	16:10	4:3	4:3
	Lamp	320 W UHM	320 W UHM	320 W UHM	320 W UHM	320 W UHM
	Lamp life[1]	4,000 hours (NORMAL)/5,000 hours (ECO)	4,000 hours (NORMAL)/5,000 hours (ECO)	4,000 hours (NORMAL)/5,000 hours (ECO)	4,000 hours (NORMAL)/5,000 hours (ECO)	4,000 hours (NORMAL)/5,000 hours (ECO)
	Brightness	5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
	Lens (throw ratio)	F 1.6-2.2, f 17.1-31.7 (1.22-2.26:1) (PT-EZ590)	F 1.6-2.2, f 17.1-31.7 (1.22-2.26:1) (PT-EW650)	F 1.6-2.2, f 17.1-31.7 (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)
	Contrast (full on/full off)	10,000:1	10,000:1	2,000:1	10,000:1	2,000:1
	Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
	Screen size (diagonal)[2]	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)	1.02-10.16 m (40-400 inches)
	Lens shift	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±60 %, horizontal: ±30 % (powered)	Vertical: ±50 %, horizontal: ±30 % (powered)	Vertical: ±50 %, horizontal: ±30 % (powered)
Interface	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] RGB 1 in [BNC x 5 (RGB/YPBPR/YCBCR/YC x 1)] RGB 2 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] Remote 1 in [D-sub 9-pin x 1] Remote 2 in [M3 x 1] LAN [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]
General	Power supply	100-240 V AC, 5.5-2.3 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz	100-240 V AC, 5.3-2.1 A, 50/60 Hz
	Power consumption	484 W	461 W	461 W	461 W	461 W
	BTU value	Max. 1,651 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU	Max. 1,573 BTU
	Operation noise	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)	35 dB (NORMAL)/29 dB (ECO)
	Dimensions (W x H x D)	498 x 145[7] x 398.3 mm[8] (19-19/32 x 5-23/32[7] x 15-11/16 inches)[8]	498 x 145[7] x 398.3 mm[8] (19-19/32 x 5-23/32[7] x 15-11/16 inches)[8]	498 x 145[7] x 398.3 mm[8] (19-19/32 x 5-23/32[7] x 15-11/16 inches)[8]	498 x 145[7] x 398.3 mm[8] (19-19/32 x 5-23/32[7] x 15-11/16 inches)[8]	498 x 145[7] x 398.3 mm[8] (19-19/32 x 5-23/32[7] x 15-11/16 inches)[8]
	Weight[3]	Approx. 8.4 kg/18.5 lbs (PT-EZ590L: approx. 7.7 kg/17.0 lbs)	Approx. 8.4 kg/18.5 lbs (PT-EW650L: approx. 7.7 kg/17.0 lbs)	Approx. 8.4 kg/18.5 lbs (PT-EW550L: approx. 7.7 kg/17.0 lbs)	Approx. 8.4 kg/18.5 lbs (PT-EX620L: approx. 7.7 kg/17.0 lbs)	Approx. 8.4 kg/18.5 lbs (PT-EX520L: approx. 7.7 kg/17.0 lbs)
Features	Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter	Eco Filter
	Signal input (maximum)[4]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Emulation	Yes	Yes	Yes	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
	DICOM Simulation Mode	Yes	Yes	Yes	Yes	Yes
	Corner Keystone	Yes	Yes	Yes	Yes	Yes
	P-in-P	-	-	-	-	-
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
	Audio Out During Standby	Yes	Yes	Yes	Yes	Yes
Accessory	Replacement lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100	ET-LAEF100
	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFE300 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	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)	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)	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)	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)
	Optional lens	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)	Yes (please see the Optional Lenses page: P49)
	Standard accessories	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM[9]	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM[9]	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM[9]	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM[9]	Power cord with power cord holder, wireless/wired remote control unit, batteries for remote control unit, CD-ROM[9]

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio. *3: Average value. Each product has an individual variable in weight.
*4: Input signals that exceed the native resolution will be converted to the native resolution.

*5: Lens-less model. *6: The optional ET-WML100 Wireless Module is required. *7: Height: with legs at shortest position.
*8: Depth: including the lens. Depth: 358 mm (14-3/32 inches) for the lens-less models.
*9: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

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Installation

		PT-**FZ570**	PT-**FW530**	PT-**FX500**
		LCD Projector — 4,500 lm — WUXGA — WIRELESS*5	LCD Projector — 4,500 lm — WXGA — WIRELESS*5	LCD Projector — 5,000 lm — XGA — WIRELESS*5
Optical	Panel type	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
	Aspect ratio	16:10	16:10	4:3
	Lamp	270 W UHM	270 W UHM	270 W UHM
	Lamp life*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)
	Brightness	4,500 lm	4,500 lm	5,000 lm
	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)
	Contrast (full on/full off)	10,000:1	10,000:1	10,000:1
	Resolution	WUXGA (1,920 x 1,200)	WXGA (1,280 x 800)	XGA (1,024 x 768)
	Screen size (diagonal)*2	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)	1.02-7.62 m (40-300 inches)
	Lens shift	Vertical: ±60 %, horizontal: ±30 % (manual)	Vertical: ±60 %, horizontal: ±30 % (manual)	Vertical: ±50 %, horizontal: ±30 % (manual)
Interface	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer 1 in [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/YC x 1)] Computer 2 in/1 out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1/2 [M3 x 2 (L-R x 2)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] LAN/DIGITAL LINK [RJ-45 x 1] USB [USB type-A x 2 (for optional wireless module x 1, for power supply (DC 5 V, up to 900 mA) x 1]
General	Power supply	100-240 V AC, 4.7-1.9 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz	100-240 V AC, 4.5-1.8 A, 50/60 Hz
	Power consumption	413 W	400 W	400 W
	BTU value	Max 1,410 BTU	Max 1,365 BTU	Max 1,365 BTU
	Operation noise	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)	33 dB (NORMAL)/29 dB (ECO)
	Dimensions (W x H x D)	498 x 145*6 x 398.3 mm*7 (19-19/32 x 5-23/32*6 x 15-11/16 inches)*7	498 x 145*6 x 398.3 mm*7 (19-19/32 x 5-23/32*6 x 15-11/16 inches)*7	498 x 145*6 x 398.3 mm*7 (19-19/32 x 5-23/32*6 x 15-11/16 inches)*7
	Weight*3	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs	Approx. 7.9 kg/17.4 lbs
Features	Filter	Eco Filter	Eco Filter	Eco Filter
	Signal input (maximum)*4	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Emulation	Yes	Yes	Yes
	Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic
	DICOM Simulation Mode	Yes	Yes	Yes
	Corner Keystone	Yes	Yes	Yes
	P-in-P	-	-	-
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
	Audio Out During Standby	Yes	Yes	Yes
Accessory	Replacement lamp	ET-LAEF100	ET-LAEF100	ET-LAEF100
	Optional accessories	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)	ET-PKD120H (High ceiling mount bracket) ET-PKD120S (Low ceiling mount bracket) ET-PKE300B (Bracket assembly) ET-RFF200 (Replacement filter unit) ET-YFB200G (DIGITAL LINK Switcher) ET-YFB100G (Digital Interface Box) ET-WML100 (Wireless module)
	Standard accessories	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM*8	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM*8	Power cord with power cord holder, wireless remote control unit, batteries for remote control unit, CD-ROM*8

*1: When the projector is in landscape orientation. The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio. *3: Average value. Each product has an individual variable in weight.
*4: Input signals that exceed the native resolution will be converted to the native resolution.

*5: The optional ET-WML100 Wireless Module is required.
*6: Height: with legs at shortest position. *7: Depth: including the lens.
*8: CD-ROM includes Logo Transfer Software and Multi Monitoring and Control Software.

DIGITAL LINK

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

High Quality   Long Distance   Cost Effective

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

For Auditorium, Museum, Digital signage and more

Flexible Expandability with ET-YFB200G

DIGITAL LINK Switcher ET-YFB200G (Optional)

2 x DIGITAL LINK   150 m (429 ft) *

DIGITAL LINK Switcher ET-YFB200G

CAT 5e (STP) cable or higher

DIGITAL LINK 1

(Up to 150 m/492 ft)*

DIGITAL LINK 2

HDMI 1 | HDMI 2 | VGA 1 | VGA 2 | VIDEO

PC | Blu-ray Disc player | PC | Document camera | VCR
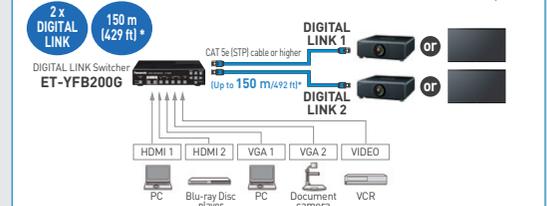
For Classrooms, Meeting rooms, Retail outlets, etc.

Simple One-to-One Connection with ET-YFB100G
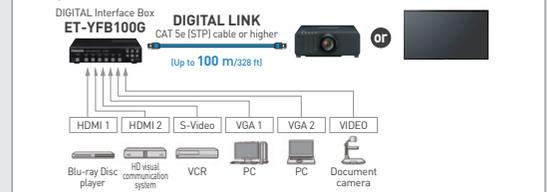
Digital Interface Box ET-YFB100G (Optional)

DIGITAL Interface Box ET-YFB100G   DIGITAL LINK CAT 5e (STP) cable or higher

(Up to 100 m/328 ft)

HDMI 1 | HDMI 2 | S-Video | VGA 1 | VGA 2 | VIDEO

Blu-ray Disc player | HD visual communication system | VCR | PC | PC | Document camera

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

The DIGITAL LINK World

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

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

Note: For DIGITAL LINK-ready models, please refer to the "Interface" section.

Portable

	PT-VZ585N	**PT-VZ580**	**PT-VW545N**	**PT-VW540**	**PT-VX615N**
	DIGITAL LINK		DIGITAL LINK		DIGITAL LINK
	LCD Projector	LCD Projector	LCD Projector	LCD Projector	LCD Projector
	5,000 lm / WUXGA / WIRELESS	5,000 lm / WUXGA	5,500 lm / WXGA / WIRELESS	5,500 lm / WXGA	5,500 lm / XGA / WIRELESS

Optical

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
Panel type	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
Aspect ratio	16:10	16:10	16:10	16:10	4:3
Lamp	280 W UHM	280 W UHM	280 W UHM	280 W UHM	280 W UHM
Lamp life[*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)
Brightness	5,000 lm	5,000 lm	5,500 lm	5,500 lm	5,500 lm
Lens (throw ratio)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77)	F 1.60-2.12, f 15.30-24.64 mm (1.09-1.77)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76)	F 1.60-2.12, f 15.30-24.64 mm (1.08-1.76)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90)
Contrast (full on/full off)	16,000:1	16,000:1	16,000:1	16,000:1	16,000:1
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)
Screen size (diagonal)[*2]	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
Lens shift	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +44 % (manual)	Vertical: +40 % (manual)

Interface

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)]Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YP$_B$P$_R$/YC$_B$C$_R$ x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] USB A [USB type-A x 1] USB B [USB type-B x 1] LAN/DIGITAL LINK [RJ-45 x 1]

General

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
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)
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)
Operation noise	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)	37 dB (NORMAL)/35 dB (ECO1)/29 dB (ECO2)
Dimensions (W x H x D)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)
Weight[*3]	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 4.9 kg/10.8 lbs

Features

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
Signal input (maximum)[*4]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Emulation	Yes	Yes	Yes	Yes	Yes
Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic
Corner Keystone	Yes	Yes	Yes	Yes	Yes
Curved Screen Correction	Yes	Yes	Yes	Yes	Yes
Wireless Ready	Yes	-	Yes	-	Yes
USB Memory Viewer	Yes	-	Yes	-	Yes
USB Display	Yes	-	Yes	-	Yes
Audio Out During Standby	Yes	Yes	Yes	Yes	Yes

Accessory

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N
Replacement lamp	ET-LAV400	ET-LAV400	ET-LAV400	ET-LAV400	ET-LAV400
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV410 (Replacement filter unit) ET-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)
Standard accessories	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software, Wireless Manager)

*1: The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio.
*3: Average value. Each product has an individual variable in weight.

*4: Input signals that exceed the native resolution will be converted to the native resolution.
*5: Height: with legs at shortest position.

Portable

	PT-**VX610**	PT-**VZ470**[*6]	PT-**VW360** NEW	PT-**VX430** NEW	PT-**LW373**
	LCD Projector 5,500 lm / XGA	LCD Projector 4,400 lm / WUXGA	LCD Projector 4,000 lm / WXGA WIRELESS[*7]	LCD Projector 4,500 lm / XGA WIRELESS[*7]	LCD Projector 3,600 lm / WXGA WIRELESS[*7]

Optical

	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW373
Panel type	16.0 mm (0.63 inches) LCD x 3	16.3 mm (0.64 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3
Aspect ratio	4:3	16:10	16:10	4:3	16:10
Lamp	280 W UHM	270 W UHM	240 W UHM	240 W UHM	230 W UHM
Lamp life[*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)	5,000 hours (NORMAL)/6,000 hours (ECO1)/10,000 hours (ECO2)
Brightness	5,500 lm	4,400 lm	4,000 lm	4,500 lm	3,600 lm
Lens (throw ratio)	F 1.60-1.90, f 15.31-24.64 mm (1.17-1.90)	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)
Contrast (full on/full off)	16,000:1	10,000:1	20,000:1	20,000:1	16,000:1
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)
Screen size (diagonal)[*2]	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
Lens shift	Vertical: +40 % (manual)	Vertical: +44 % (manual)	49:1 (fixed)	9:1 (fixed)	13:1 (fixed)

Interface

	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW373
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Terminals	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Computer in 2/out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1]	HDMI in [HDMI 19-pin x 2 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2/MIC in [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2/Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [M3 x 1 (L-R x 1)] Audio in 3 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)]Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]

General

	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW373
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
Power consumption	385 W (North America), 400 W (other countries)	372 W (North America), 378 W (Taiwan), 378 W (other countries)	300 W	300 W	300 W
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)	37 dB (NORMAL)/33 dB (ECO1)/28 dB
Dimensions (W x H x D)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	389 x 125[*5] x 332 mm (15-5/16 x 4-29/32[*5] x 13-1/16 inches)	352 x 98[*5] x 279 mm (13-27/32 x 3-27/32[*5] x 10-31/32 inches)	352 x 98[*5] x 279 mm (13-27/32 x 3-27/32[*5] x 10-31/32 inches)	335 x 96[*5] x 252 mm (13-3/16 x 3-25/32[*5] x 9-29/32 inches)
Weight[*3]	Approx. 4.8 kg/10.6 lbs	Approx. 4.8 kg/10.6 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 3.3 kg/7.3 lbs	Approx. 2.9 kg/6.4 lbs

Features

	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW373
Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
Signal input (maximum)[*4]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Emulation	Yes	Yes	Yes	Yes	–
Daylight View	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Basic	Daylight View Lite
Corner Keystone	Yes	Yes	Yes	Yes	Yes
Curved Screen Correction	Yes	Yes	Yes	Yes	Yes
Wireless Ready	–	–	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
USB Memory Viewer	–	–	Yes	Yes	Yes
USB Display	–	–	Yes	Yes	Yes
Audio Out During Standby	Yes	Yes	Yes	Yes	–

Accessory

	PT-VX610	PT-VZ470	PT-VW360	PT-VX430	PT-LW373
Replacement lamp	ET-LAV400	ET-LAV400	ET-LAV300	ET-LAV300	ET-LAL500
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) ET-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKV400B (Bracket assembly) ET-RFV300 (Replacement filter unit) ET-WML100 (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-WML100 (Wireless module) ET-ADSV (D-Sub/S-VIDEO conversion cable)
Standard accessories	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable, software CD-ROM (Logo Transfer Software, Multi Monitoring and Control Software)	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable	Power cord, power cord holder, wireless remote control unit, batteries for remote control unit, computer cable	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)

*1: The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio.
*3: Average value. Each product has an individual variable in weight.

*4: Input signals that exceed the native resolution will be converted to the native resolution.
*5: Height: with legs at shortest position. *6: The availability varies depending on the country.
*7: To operate wireless projection, the optional wireless module ET-WML100 is required.

Portable

		PT-**LW333**	PT-**LB423**	PT-**LB383**	PT-**LB353**	PT-**LB303**
		LCD Projector *5 3,100 lm WXGA	LCD Projector *5 4,100 lm XGA	LCD Projector *5 3,800 lm XGA	LCD Projector *5 3,300 lm XGA	LCD Projector 3,100 lm XGA
Optical	Panel type	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
	Aspect ratio	16:10	4:3	4:3	4:3	4:3
	Lamp	230 W UHM	230 W UHM	230 W UHM	230 W UHM	230 W UHM
	Lamp life*1	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)
	Brightness	3,100 lm	4,100 lm	3,800 lm	3,300 lm	3,100 lm
	Lens (throw ratio)	F 2.1-2.25, 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 2.1-2.25, f 19.11-22.94 mm (1.47-1.77:1)
	Contrast (full on/full off)	16,000:1	16,000:1	16,000:1	16,000:1	16,000:1
	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)
	Screen size (diagonal)*2	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)	0.76-7.62 m (30-300 inches)
	Lens shift	13:1 (fixed)	6:1 (fixed)	6:1 (fixed)	6:1 (fixed)	6:1 (fixed)
Interface	Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	2.0 W (monaural)
	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 [RGB/YPBPR/YCBCR /S-VIDEO x 1]] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L–R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L–R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 [RGB/YPBPR/YCBCR /S-VIDEO x 1]] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L–R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L–R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 [RGB/YPBPR/YCBCR /S-VIDEO x 1]] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L–R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L–R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 [RGB/YPBPR/YCBCR /S-VIDEO x 1]] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L–R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L–R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in [D-sub HD 15-pin x 1 [RGB/YPBPR/YCBCR /S-VIDEO x 1]] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L–R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L–R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)]
General	Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
	Power consumption	300 W	300 W	300 W	300 W	300 W
	Operation noise	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB	37 dB (NORMAL)/33 dB (ECO1)/28 dB
	Dimensions (W x H x D)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)	335 x 96*6 x 252 mm (13-3/16 x 3-25/32*6 x 9-29/32 inches)
	Weight*3	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.9 kg/6.4 lbs	Approx. 2.8 kg/6.2 lbs
Features	Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter	Pleated Micro Cut Filter
	Signal input (maximum)*4	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
	Emulation	-	-	-	-	-
	Daylight View	Daylight View Lite	Daylight View Lite	Daylight View Lite	Daylight View Lite	Daylight View Lite
	Corner Keystone	Yes	Yes	Yes	Yes	-
	Curved Screen Correction	Yes	Yes	Yes	Yes	-
	Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	-
	USB Memory Viewer	Yes	Yes	Yes	Yes	-
	USB Display	Yes	Yes	Yes	Yes	-
	Audio Out During Standby	-	-	-	-	-
Accessory	Replacement lamp	ET-LAL500	ET-LAL500	ET-LAL500	ET-LAL500	ET-LAL500
	Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL420B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-WML100 (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-WML100 (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-WML100 (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-WML100 (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)
	Standard accessories	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, batteries for remote control unit, RGB signal cable, software CD-ROM (Multi Monitoring and Control Software)

*1: The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio.
*3: Average value. Each product has an individual variable in weight.

*4: Input signals that exceed the native resolution will be converted to the native resolution.
*5: To operate wireless projection, the optional wireless module ET-WML100 is required.
*6: Height: with legs at shortest position.

Short Throw

	PT-**TW351R**	PT-**TW350**	PT-**TX410**	PT-**TX320**
	LCD Projector 3,300 lm WXGA *5	LCD Projector 3,300 lm WXGA *5	LCD Projector 3,800 lm XGA *5	LCD Projector 3,200 lm XGA *5
Panel type	15.0 mm (0.59 inches) LCD x 3	15.0 mm (0.59 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3	16.0 mm (0.63 inches) LCD x 3
Aspect ratio	16:10	16:10	4:3	4:3
Lamp	230 W UHM	230 W UHM	230 W UHM	230 W UHM
Lamp life[1]	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)	5,000 hours (NORMAL)/ 6,000 hours (ECO1)/10,000 hours (ECO2)
Brightness	3,300 lm	3,300 lm	3,800 lm	3,200 lm
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)
Contrast (full on/full off)	16,000:1	16,000:1	16,000:1	16,000:1
Resolution	WXGA (1,280 x 800)	WXGA (1,280 x 800)	XGA (1,024 x 768)	XGA (1,024 x 768)
Screen size (diagonal)[2]	1.27-2.54 m (50-100 inches)	1.27-2.54 m (50-100 inches)	1.27-2.54 m (50-100 inches)	1.27-2.54 m (50-100 inches)
Lens shift	7.25:1 (fixed)	7.25:1 (fixed)	21:1 (fixed)	21:1 (fixed)
Built-in speaker	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)	10.0 W (monaural)
Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1] Mini USB [Mini USB x 1, for interactive function]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Computer in 1 [D-sub HD 15-pin x 1 (RGB/YPBPR/YCBCR/S-VIDEO x 1)] Computer in 2 [D-sub HD 15-pin x 1 (RGB x 1)] Monitor out [D-sub HD 15-pin x 1 (RGB x 1)] Composite video in [Pin jack x 1] Audio in 1 [M3 x 1 (L-R x 1)] Audio in 2 [Pin jack x 2 (L x 1, R x 1)] Audio out [M3 x 1 (L-R x 1)] Serial in [D-sub 9-pin x 1 (RS-232C)] LAN [RJ-45 x 1] USB A [USB type-A x 1] USB B [USB type-B x 1]
Power supply	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz	100-240 V AC, 50/60 Hz
Power consumption	300 W	300 W	300 W	300 W
Operation noise	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)	37 dB (NORMAL)/33 dB (ECO1)/28 dB (ECO2)
Dimensions (W x H x D)	335 x 134.1[6] x 329 mm (13-3/16 x 5-9/32[6] x 12-15/16 inches)	335 x 134.1[6] x 329 mm (13-3/16 x 5-9/32[6] x 12-15/16 inches)	335 x 134.1[6] x 329 mm (13-3/16 x 5-9/32[6] x 12-15/16 inches)	335 x 134.1[6] x 329 mm (13-3/16 x 5-9/32[6] x 12-15/16 inches)
Weight[3]	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs	Approx. 3.9 kg/8.6 lbs
Signal input (maximum)[4]	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200	1,920 x 1,200
Daylight View	Daylight View Lite	Daylight View Lite	Daylight View Lite	Daylight View Lite
Corner Keystone	Yes	Yes	Yes	Yes
Curved Screen Correction	Yes	Yes	Yes	Yes
Interactive Function	Yes	–	–	–
Wireless Ready	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)	Yes (Optional Wireless Module required)
USB Memory Viewer	Yes	Yes	Yes	Yes
USB Display	Yes	Yes	Yes	Yes
Audio Out During Standby	–	–	–	–
Replacement lamp	ET-LAL500	ET-LAL500	ET-LAL500	ET-LAL500
Optional accessories	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module) ET-PEN100 (Interactive 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) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)	ET-PKL100H (High ceiling mount bracket) ET-PKL100S (Low ceiling mount bracket) ET-PKL430B (Bracket assembly) ET-RFL300 (Replacement filter unit) ET-ADSV (D-Sub/S-VIDEO conversion cable) ET-WML100 (Wireless module)
Standard accessories	Power cord, wireless remote control unit, battery for remote control unit, computer cable, USB cable, interactive pen (x 2), batteries for interactive pen, software CD-ROM (Multi Monitoring and Control Software, LightPen3)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)	Power cord, wireless remote control unit, battery for remote control unit, computer cable, software CD-ROM (Multi Monitoring and Control Software)

*1: The usage environment affects the lamp replacement cycle.
*2: The screen size is that of the original aspect ratio.
*3: Average value. Each product has an individual variable in weight.
*4: Input signals that exceed the native resolution will be converted to the native resolution.
*5: To operate wireless projection, the optional wireless module ET-WML100 is required.
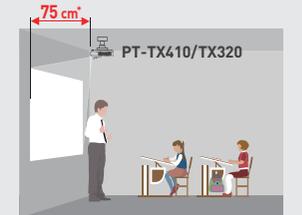*6: Height: with legs at shortest position.

FEATURES

Short-Throw Projection

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

● **Projection distance for 80-inch screen**

75 cm*

PT-TX410/TX320

* Projection distance by model: PT-TX410/TX320: 75 cm (2.46 ft.), PT-TW351R/TW350: 80 cm (2.62 ft.)

Interactive function

Supported projector: PT-TW351R

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

*1: Interactive Pointer is optional.

USB cable   Computer cable
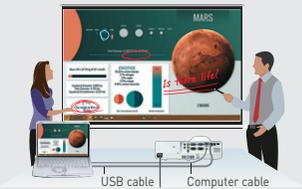
Convenient Interactive Features by LightPen3 Software

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

*2: Available for Windows® operating systems.

For more information, please visit the website.

Space Player
Track Mount Type

		PT-JX200G **PT-JX200H** SOLID SHINE LASER 1-Chip DLP™ Projector 2,000 lm / XGA / Portrait / WIRELESS / 24/7 Operation * Available in white/black cabinet.	**PT-JW130G** **PT-JW130H** SOLID SHINE LASER 1-Chip DLP™ Projector 1,000 lm / WXGA / Portrait / WIRELESS / 24/7 Operation * Available in white/black cabinet.
Optical	Panel type	14.0 mm (0.55 inches) DLP™ chip x 1	11.4 mm (0.45 inches) DLP™ chip x 1
	Aspect ratio	4:3	16:10
	Light source	Laser diode	Laser diode
	Light source life*1	20,000 hours	20,000 hours
	Brightness	2,000 lm	1,000 lm
	Lens (throw ratio)	F 2.0-2.7, f 15.2-32.7 mm	F 2.0-2.7, f 15.2-32.7 mm (1.5-3.3:1)
	Contrast (full on/full off)	1,000:1	1,000:1
	Resolution	XGA	WXGA comparable
	Screen size (diagonal)*2	0.76-5.08 m (30-200 inches)	0.76-5.08 m (30-200 inches)
Interface	Terminals	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Audio out [M3 x 1 (L-R x 1)] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-A x 1, for power supply (DC 5 V, up to 2.0 A)]	HDMI in [HDMI 19-pin x 1 (HDCP compatible)] Audio out [M3 x 1 (L-R x 1)] LAN [RJ-45 x 1 (10Base-T/100Base-TX)] USB [USB type-A x 1, for power supply (DC 5 V, up to 900 mA)]
	Card slot	SD card slot x 1 (supports SDHC memory card)	SD card slot x 1 (supports SDHC memory card)
General	Power supply	PT-JX200G: 100-240 V AC, 2.7-1.1 A, 50/60 Hz PT-JX200H: 120 V AC, 2.3 A, 50/60 Hz	PT-JW130G: 100-240 V AC, 1.4-0.6 A, 50/60 Hz PT-JW130H: 120 V AC, 1.2 A, 50/60 Hz
	Power consumption	240 W	125 W
	Operation noise	33 dB (NORMAL)/30 dB (ECO)	36 dB (NORMAL)/30 dB (ECO)
	Weight*3	Approx. 4.5 kg/9.9 lbs	Approx. 3.2 kg/7.1 lbs
Accessory	Optional accessories	ET-JPC200 (Mount bracket for direct mount type PT-JX200F) ET-JPF200 (Floor stand kit for direct mount type PT-JX200F)	ET-JPC100 (Ceiling kit for direct mount type PT-JW130F) ET-JPF100 (Floor stand kit for direct mount type PT-JW130F)
	Standard accessories	wireless remote control unit, batteries for remote control unit, CD-ROM (Multi Monitoring and Control Software, Wireless Manager)	wireless remote control unit, batteries for remote control unit, CD-ROM (Multi Monitoring and Control Software, Wireless Manager)

*1: At this time the brightness would have decreased to approximately 1/2 of its original level. 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 screen size is that of the original aspect ratio. *3: Average value. Each product has an individual variable in weight.

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

Direct Mount Type

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

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

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

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

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

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

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

Position-adjustable structure
Projection can cover all downward directions from the horizontal level.

360°
90°
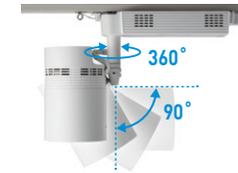
Compatible with most replay systems
Image input: SD card, HDMI, wireless LAN
*Will not replay movies via wifi
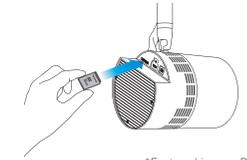
*Featured image: PT-JW130

Application Example

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

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

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

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

ID :Featuring Auto Lens Identification Function*1 **M** :Featuring Stepping Motor

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D75LE95**	ET-**D3LEW50***4	ET-**D3LEW60**	ET-**D75LE6**	ET-**D3LEW10**
		ID NEW	**ID M** NEW		**ID M** NEW
F value	2.5	2.5	2.5	2.5	2.5
Focal distance (f)	7.5 mm	14.8 mm	19.63-23.54 mm	19.63-23.54 mm	26.6-36.4 mm
Weight	Approx. 6.5 kg/14.3 lbs	Approx. 7.1 kg/15.7 lbs	Approx. 8.7 kg/18.2 lbs	Approx. 8.7 kg/19.2 lbs	Approx. 6.2 kg/13.7 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D75LE10**	ET-**D3LES20**	ET-**D75LE20**	ET-**D3LET30**	ET-**D75LE30**
		ID M NEW		**ID M** Coming soon *2 TBD	
F value	2.5	2.5	2.5	2.5	2.5
Focal distance (f)	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. 6.1 kg/13.4 lbs	Approx. 5.2 kg/11.5 lbs	Approx. 5.2 kg/11.5 lbs	TBD	Approx. 5.2 kg/11.5 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**D3LET40**	ET-**D75LE40**	ET-**D3LET80**	ET-**D75LE8**
	ID M Coming soon *3 TBD		**ID M** NEW	
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	TBD	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-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-RQ32K	✓	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓
PT-RZ31K	✓	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓
PT-RS30K	✓	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓	✓*4	✓
PT-RZ21K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RS20K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RQ13K	✓	✓		✓		✓		✓		✓		✓		✓
PT-RZ12K	✓	✓		✓		✓		✓		✓		✓		✓
PT-RS11K	✓	✓		✓		✓		✓		✓		✓		✓
PT-DZ21K2	✓	✓		✓		✓		✓		✓		✓		✓
PT-DS20K2	✓	✓		✓		✓		✓		✓		✓		✓
PT-DW17K2	✓	✓		✓		✓		✓		✓		✓		✓
PT-DZ16K2	✓	✓		✓		✓		✓		✓		✓		✓
PT-DZ13K	✓	✓		✓		✓		✓		✓		✓		✓
PT-DS12K	✓	✓		✓		✓		✓		✓		✓		✓
PT-DW11K	✓	✓		✓		✓		✓		✓		✓		✓
PT-DZ10K	✓	✓		✓		✓		✓		✓		✓		✓

Throw Ratio

0.4 1.0 2.0 5.0 8.0

ET-D75LE95
4K+ (0.390:1)
WUXGA, Full HD (0.364:1)
SXGA+ (0.394:1)
WXGA (0.403:1)

ET-D3LEW50
4K+ (0.746:1)
WUXGA, Full HD (0.694:1)
SXGA+ (0.752:1)
WXGA (0.774:1)

ET-D3LEW60 / ET-D75LE6
4K+ (1.00-1.18:1)
WUXGA, Full HD (0.924-1.10:1)
SXGA+ (1.01-1.19:1)
WXGA (1.03-1.22:1)

ET-D3LEW10
4K+ (1.35-1.84:1)
WUXGA, Full HD (1.26-1.72:1)
SXGA+ (1.37-1.86:1)

ET-D75LE10
4K+ (1.39-1.79:1)
WUXGA, Full HD (1.30-1.67:1)
SXGA+ (1.41-1.81:1)
WXGA (1.44-1.85:1)

ET-D3LES20 / ET-D75LE20
4K+ (1.79-2.59:1)
WUXGA, Full HD (1.67-2.41:1)
SXGA+ (1.80-2.61:1)
WXGA (1.85-2.68:1)

ET-D3LET30 / ET-D75LE30
4K+ (2.58-5.00:1)
WUXGA, Full HD (2.40-4.66:1)
SXGA+ (2.60-5.05:1)
WXGA (2.67-5.18:1)

ET-D3LET40 / ET-D75LE40
4K+ (4.95-7.91:1)
WUXGA, Full HD (4.62-7.38:1)
SXGA+ (5.00-7.99:1)
WXGA (5.13-8.19:1)

ET-D3LET80 / ET-D75LE8
4K+ (7.87-14.8:1)
WUXGA, Full HD (7.34-13.8:1)
SXGA+ (7.95-14.9:1)
WXGA (8.16-15.3:1)

*1: Calibration is required each time the lens is mounted.
*2: Available from September 2018.
*3: Available from November 2018.
*4: Projector may require the latest firmware update.

Optional Lenses for LCD Projector (Large-Venue)

Lens type	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**ELW03**	ET-**ELW06**	ET-**ELW02**	ET-**ELW04**
F value	2.6	2.3-2.8	2.5-2.9	1.7-2.3
Focal distance (f)	30 mm	46-58 mm	52-68 mm	58-76 mm
Weight	Approx. 3.1 kg/6.8 lbs	Approx. 3.0 kg/6.6 lbs	Approx. 2.2 kg/4.9 lbs	Approx. 2.8 kg/6.2 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens	Zoom lens
Model number	ET-**ELS02**	ET-**ELS03**	ET-**ELM01**	ET-**ELT02**
F value	2.0-2.3	1.7-2.6	2.0-2.6	2.0-2.9
Focal distance (f)	76-98 mm	97-131 mm	125-162 mm	158-221 mm
Weight	Approx. 1.8 kg/4.0 lbs	Approx. 3.7 kg/8.2 lbs	Approx. 1.9 kg/4.2 lbs	Approx. 3.1 kg/6.8 lbs

Lens type	Fixed-focus lens
Model number	ET-**ELT03**
F value	2.5-2.5
Focal distance (f)	224-325 mm
Weight	Approx. 7.3 kg/16.1 lbs

Optional Lenses Compatibility Chart

	ET-ELW03	ET-ELW06	ET-ELW02	ET-ELW04	ET-ELS02	ET-ELS03	ET-ELM01	ET-ELT02	ET-ELT03
PT-ET16K	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

	1.0 2.0 3.0 4.0 6.0 9.0
ET-**ELW03**	XGA+ (0.787:1)
ET-**ELW06**	XGA (1.17-1.51:1)
ET-**ELW02**	XGA (1.38-1.81:1)
ET-**ELW04**	XGA (1.51-2.01:1)
ET-**ELS02**	XGA (1.97-2.59:1)
ET-**ELS03**	XGA (2.57-3.49:1)
ET-**ELM01**	XGA (3.46-4.47:1)
ET-**ELT02**	XGA (4.44-6.16:1)
ET-**ELT03**	XGA (6.22-9.06:1)
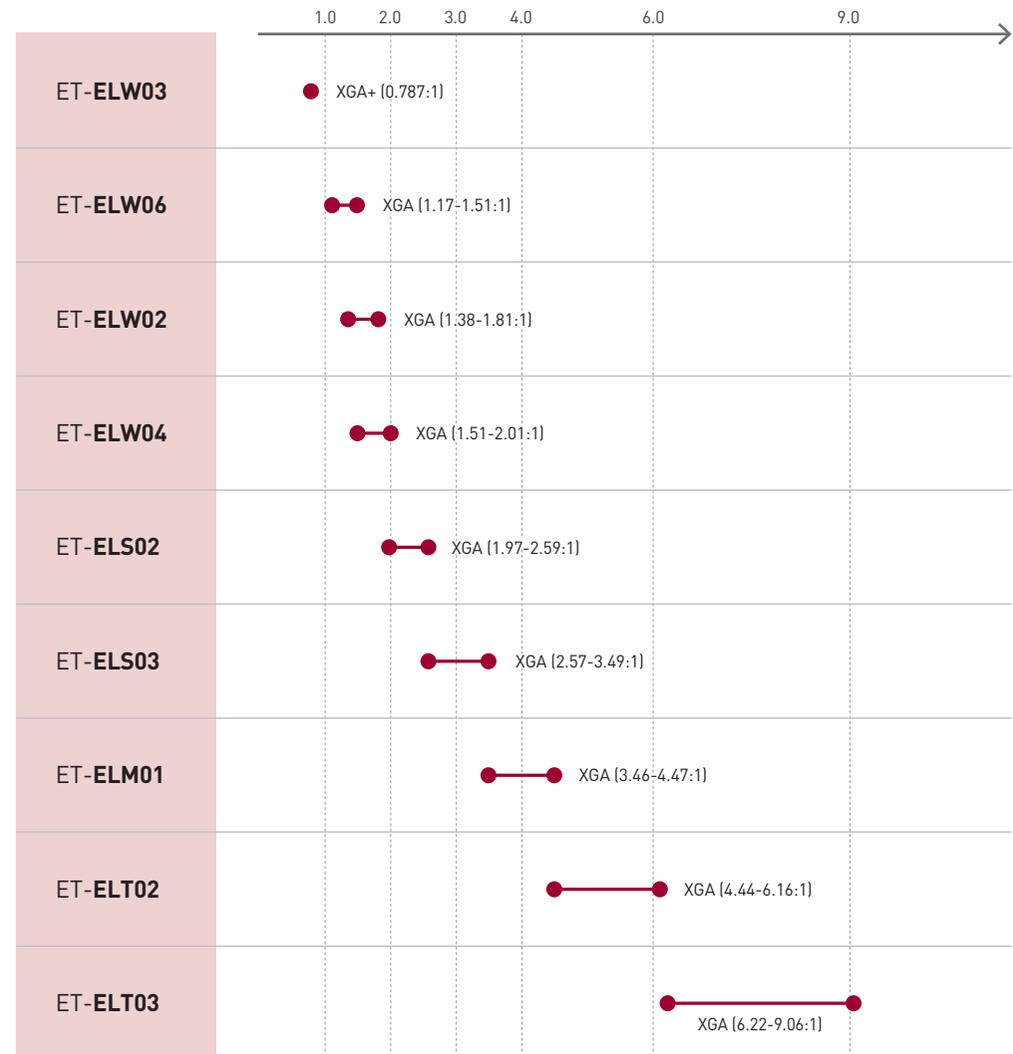
■ Optional Lenses for 1-Chip DLP™ Projector (Installation)

Lens type	Fixed-focus lens	Fixed-focus lens	Zoom lens	Zoom lens
Model number	ET-**DLE030**	ET-**DLE055**	ET-**DLE060** NEW	ET-**DLE085**
F value	2.0	1.8	1.85-2.34	1.85-2.20
Focal distance (f)	5.3 mm	11.9 mm	9.16-12.06 mm	11.8-14.6 mm
Weight	Approx. 1.3 kg/3.1 lbs	Approx. 0.8 kg/1.8 lbs	Approx. 1.3 kg/2.9 lbs	Approx. 1.3 kg/2.9 lbs

Lens type	Zoom lens	Zoom lens	Zoom lens (supplied lens)*	Zoom lens
Model number	ET-**DLE105**	ET-**DLE150**	ET-**DLE170**	ET-**DLE250**
F value	1.85-2.35	1.8-2.4	1.7-1.9	1.8-2.4
Focal distance (f)	14.7-19.7 mm	19.4-27.9 mm	25.6-35.7 mm	33.9-53.2 mm
Weight	Approx. 1.2 kg/2.6 lbs	Approx. 1.1 kg/2.4 lbs	Approx. 0.9 kg/2.0 lbs	Approx. 1.0 kg/2.2 lbs

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

Optional Lenses Compatibility Chart

	ET-DLE030	ET-DLE055	ET-DLE060	ET-DLE085	ET-DLE105	ET-DLE150	ET-DLE170	ET-DLE250	ET-DLE350	ET-DLE450
PT-RZ970	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RW930	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RX110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ870	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ770	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RW730	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RZ660	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-RW620	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DZ870	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DW830	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DX100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DZ780	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DW750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PT-DX820	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Throw Ratio

Model	Throw Ratio
ET-**DLE030**	WUXGA (0.380:1) / WXGA (0.399:1) / XGA (0.394:1)
ET-**DLE055**	WUXGA (0.785:1) / WXGA (0.826:1) / XGA (0.813:1)
ET-**DLE060**	WUXGA (0.600-0.801:1) / WXGA (0.631-0.843:1) / XGA (0.620-0.829:1)
ET-**DLE085**	WUXGA (0.782-0.977:1) / WXGA (0.823-1.03:1) / XGA (0.810-1.01:1)
ET-**DLE105**	WUXGA (0.978-1.32:1) / WXGA (1.02-1.39:1) / XGA (1.01-1.37:1)
ET-**DLE150**	WUXGA (1.30-1.89:1) / WXGA (1.36-1.98:1) / XGA (1.34-1.95:1)
ET-**DLE170**	WUXGA (1.71-2.41:1) / WXGA (1.80-2.54:1) / XGA (1.78-2.50:1)
ET-**DLE250**	WUXGA (2.27-3.62:1) / WXGA (2.39-3.80:1) / XGA (2.35-3.75:1)
ET-**DLE350**	WUXGA (3.58-5.45:1) / WXGA (3.76-5.72:1) / XGA (3.70-5.64:1)
ET-**DLE450**	WUXGA (5.36-8.58:1) / WXGA (5.64-9.01:1) / XGA (5.55-8.88:1)

* The ET-DLE170 is equivalent of supplied lens. Availability varies depending on the country.

▮ Optional Lenses for LCD Projector (Installation)

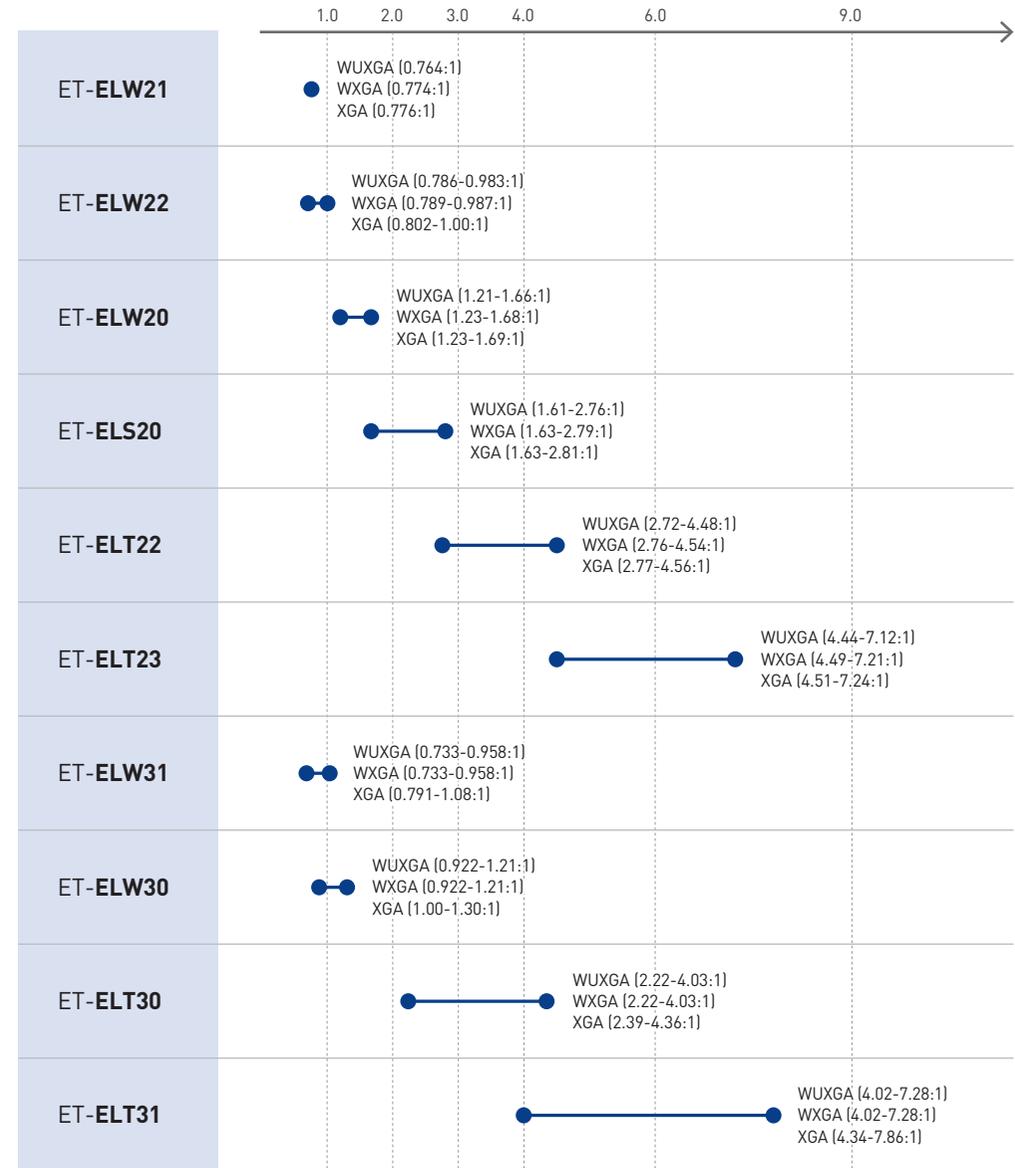| Lens type	Fixed-focus lens	Zoom lens	Zoom lens	Zoom lens (supplied lens)*
Model number	ET-ELW21	ET-ELW22	ET-ELW20	ET-ELS20
F value	2.0	2.0-2.4	1.8-2.3	1.7-2.3
Focal distance (f)	13.05 mm	13.27-16.56 mm	20.4-27.6 mm	26.9-45.4 mm
Weight	Approx. 1.08 kg/2.4 lbs	Approx. 1.2 kg/2.7 lbs	Approx. 1.20 kg/2.6 lbs	Approx. 0.9 kg/2.0 lbs

Lens type	Zoom lens	Zoom lens
Model number	ET-ELT22 NEW	ET-ELT23 NEW
F value	1.8-2.3	1.8-2.3
Focal distance (f)	45.6-73.8 mm	74.8-118.2 mm
Weight	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-ELW21	ET-ELW22	ET-ELW20	ET-ELS20	ET-ELT22	ET-ELT23	ET-ELW31	ET-ELW30	ET-ELT30	ET-ELT31
PT-MZ770	✓	✓	✓	✓	✓	✓				
PT-MW730	✓	✓	✓	✓	✓	✓				
PT-MZ670	✓	✓	✓	✓	✓	✓				
PT-MW630	✓	✓	✓	✓	✓	✓				
PT-MZ570	✓	✓	✓	✓	✓	✓				
PT-MW530	✓	✓	✓	✓	✓	✓				
PT-EZ770Z	✓	✓	✓	✓	✓	✓				
PT-EW730Z	✓	✓	✓	✓	✓	✓				
PT-EX800Z	✓	✓	✓	✓	✓	✓				
PT-EZ590							✓	✓	✓	✓
PT-EW650							✓	✓	✓	✓
PT-EW550							✓	✓	✓	✓
PT-EX620							✓	✓	✓	✓
PT-EX520							✓	✓	✓	✓

Throw Ratio

Scale: 1.0 2.0 3.0 4.0 6.0 9.0

Model	Throw Ratio
ET-ELW21	WUXGA (0.764:1) / WXGA (0.774:1) / XGA (0.776:1)
ET-ELW22	WUXGA (0.786-0.983:1) / WXGA (0.789-0.987:1) / XGA (0.802-1.00:1)
ET-ELW20	WUXGA (1.21-1.66:1) / WXGA (1.23-1.68:1) / XGA (1.23-1.69:1)
ET-ELS20	WUXGA (1.61-2.76:1) / WXGA (1.63-2.79:1) / XGA (1.63-2.81:1)
ET-ELT22	WUXGA (2.72-4.48:1) / WXGA (2.76-4.54:1) / XGA (2.77-4.56:1)
ET-ELT23	WUXGA (4.44-7.12:1) / WXGA (4.49-7.21:1) / XGA (4.51-7.24:1)
ET-ELW31	WUXGA (0.733-0.958:1) / WXGA (0.733-0.958:1) / XGA (0.791-1.08:1)
ET-ELW30	WUXGA (0.922-1.21:1) / WXGA (0.922-1.21:1) / XGA (1.00-1.30:1)
ET-ELT30	WUXGA (2.22-4.03:1) / WXGA (2.22-4.03:1) / XGA (2.39-4.36:1)
ET-ELT31	WUXGA (4.02-7.28:1) / WXGA (4.02-7.28:1) / XGA (4.34-7.86:1)

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

Ultra Short-Throw Lens / Fisheye Lens

## High-Resolution Fisheye Lens for Immersive Projection in Entertainment Applications NEW

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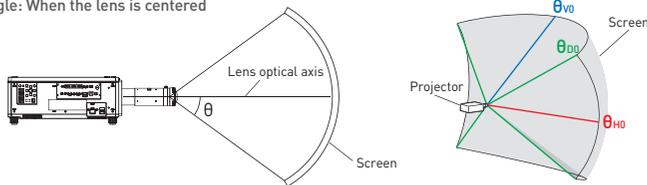ET-**D3LEF70** (optional)

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.

■ Installation image for Dome Theater

ET-D3LEF70 on
3-Chip DLP™ Projector
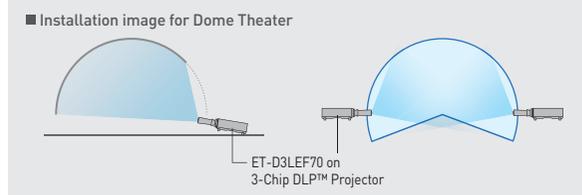
■ Projected angle: When the lens is centered

Lens optical axis

Screen

Projector

θ_{V0}

θ_{D0}

θ_{H0}

Screen

		PT-RQ32K/RQ13K	PT-RZ31K/RZ21K/ RZ12K/DZ21K2/ DZ13K/DZ10K	PT-RS30K/RS20K/ RS11K/DS20K2/ DS12K	PT-DZ16K2	PT-DW17K2/ DW11K
θ_{V0}	Maximum vertical center angle of view	38.4°	41.1°	45.5°	66.0°	37.1°
θ_{H0}	Maximum horizontal center angle of view	61.3°	65.7°	60.7°	66.0°	66.0°
θ_{D0}	Maximum diagonal angle of view	72.3°	77.5°	75.9°	75.7°	75.7°

Note: • The illustrations of projectors are for informational purposes only and do not represent a specific projector model. Configurations may vary with the model.
   • As the front end of the lens approaches closer to a spherical or column-shaped screen center, uniformity of the total focus and total brightness of the projected image is enhanced.
   • The angle of view values indicated in the tables are lens optical axis angles.

Usage Example: Milano Salone 2018   Equipment installed: PT-**RQ32K** with ET-**D3LEF70**

DIGITAL LINK Compatible Options / Stepping Motor Kit for Optional Lenses

All-in-One Connectivity

DIGITAL LINK Switcher
ET-**YFB200G** (optional)

Equipped with DIGITAL LINK output terminals.[1] Allows transmission of HDMI, uncompressed Full HD video, audio and control signals (Ethernet, RS-232C) for up to 100 m (328 ft.) through a single CAT5e (STP) cable or higher. Long Reach Mode supports up to 1080/60p signal transmission for 150 m (492 ft.).[2]

*1: DIGITAL LINK terminal: two terminals on the ET-YFB200G and one terminal on the ET-YFB100G.
*2: For more information about Long Reach mode compatible model, please visit the website
   >> panasonic.net/cns/prodisplays/solutions/technology/digital_link/#projector

Digital Interface Box
ET-**YFB100G** (optional)

* ET-YFB200G/YFB100G is not compatible with 4K signals.

Turnkey Solution for Multi-Window Presentations

Multi Window Processor
ET-**MWP100G** (optional)

The ET-MWP100G Multi Window Processor makes it possible to quickly and efficiently combine multiple displays and projectors into a video wall or a multi vision system.

* When the optional DIGITAL LINK board is mounted.

Application Example: Broadcast Studio
The ET-MWP100G's optional interface boards support a wide variety of input sources. This makes it possible to connect to media servers, professional video cameras, and other devices.

Supporting Accurate Installation

Stepping Motor Kit
ET-**D75MKS10**[1]

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

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

Model number	ET-D75MKS10
Dimensions (W x H x D)	101 x 82.5 x 59 mm (3-31/32 x 3-1/4 x 2-5/16 inches)
Weight[2]	Approx. 145 g/0.3 lbs
Supported lens	ET-D75LE10, ET-D75LE20, ET-D75LE30, ET-D75LE40, ET-D75LE6, ET-D75LE8
Supported projectors	PT-RQ32K[3], PT-RZ31K[3]/RS30K[3], PT-RZ21K/RS20K

*1: Calibration is required each time the lens is mounted. *2: Average value. Each product has an individual variable in weight.
*3: Projector may require the latest firmware update.

## Geometric Adjustment Feature and Upgrade Kits Expand Projection Capability

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

Geometric Adjustment (free)

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

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

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

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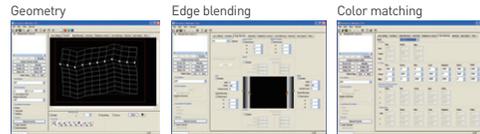
■ Upgrade Kit for Geometry Manager Pro (ET-UK20)

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

■ Auto Screen Adjustment Upgrade Kit (ET-CUK10/CUK10P)*2

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-RQ32K	PT-RZ31K	PT-RS30K	PT-RZ21K	PT-RS20K	PT-RQ13K	PT-RZ12K	PT-RS11K
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-UK20	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET-CUK10/CUK10P*2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

	PT-DZ21K2	PT-DS20K2	PT-DW17K2	PT-DZ16K2	PT-DZ13K	PT-DS12K	PT-DZ10K
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes*1
Geometry Manager Pro Software	Yes	Yes	No	No	Yes	Yes	Yes
ET-UK20	Yes	Yes	No	No	Yes	Yes	No
ET-CUK10/CUK10P*2	Yes	Yes	No	No	Yes	Yes	Yes

	PT-RZ970	PT-RW930	PT-RX110	PT-RZ870	PT-RW730	PT-RW730	PT-RZ660	PT-RW620	PT-DZ870	PT-DZ780	PT-DW750	PT-DX820
Geometric Adjustment	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Geometry Manager Pro Software	Yes	No	No	Yes	Yes	No	Yes	No	Yes	Yes	No	No
ET-UK20	Yes	No	No	Yes	Yes	No	Yes	No	Yes	Yes	No	No
ET-CUK10/CUK10P*2	Yes	No	No	Yes	Yes	No	Yes	No	Yes	Yes	No	No

*1: The PT-DZ10K does not feature 4-Corner Adjustment and Keep Aspect Off functions.
*2: 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.
Note: The PT-DW11K, PT-DW830 and PT-DX100, does not support Geometric Adjustment feature and upgrade kits.

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

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. If you also purchase Early Warning Functions license, it will monitor the status of projectors and displays on the intranet and inform you of errors when it detects signs of trouble. This contributes to a lighter maintenance load and reduces costs.

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

Display | Projector | VPN | Intranet

Early Warning* function (for a fee)
- The operating status can be monitored from a PC or tablet
- The maintenance timing can be notified in advance
- Device warning/error info notification
- Device monitoring with network cameras
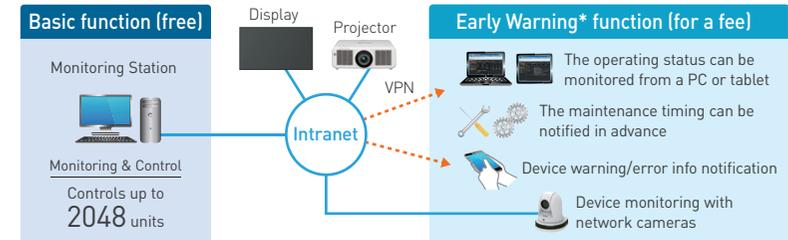
* Software function support varies by model.
* Multi Monitoring & Control Software Ver.2.0 or higher is required to use the Early Warning function.

Features

• Map Display
Image files, such as floor plans, can be loaded, and the icon for each device can be positioned by 'Drag & Drop'.

• Auto Search of the Devices to Be Registered
You can select the devices to be registered from devices automatically searched on the network.*1

• Other Features
- Monitoring of the status of each device*2
- Execution of control commands
- Scheduling function
- Delivery of the contents list*3

Early Warning Function (ET-SWA100)

If you install 'Multi Monitoring & Control Software,' a free 90-day trial is automatically available.

Maintenance Scheduling Suggestion*3
It is easier to plan for maintenance by predicting the approximate time for maintenance and service based on the usage monitoring.

Video Stop Detection Using a Network Camera
Images of registered projectors or displays can be monitored regularly by a supported network camera*4. You can also receive a notification when an abnormality such as a blackout or an image freeze happens.

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.
*4: Panasonic Network camera (BB-S/DG-S/WV-S series), Panasonic PTZ camera (AW-UE70/HE40/HE130 series).

Utility Software can be downloaded from PASS

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