Panasonic PT-EW550T **BUSINESS**

Flexibility and Performance to Meet Your Needs ONCE I THE PLUS Worldwide Olympic Partner Worldwide Paralympic Partner DIGITAL SINGLE CABLE SOLUTION

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Natural Pictures in Bright Rooms



Reason

1

More than 30 years of hard-won experience stands behind every Panasonic projector we make. Innovative technology guarantees uncommonly bright and vivid pictures even in well-lit rooms.



System Flexibility



Reason

2

Long-reach single-cable AV control, powered lens shift/zoom/focus, and wide compatibility with existing infrastructure simplify and streamline setup for permanent or portable installations.

Why Choose Panasonic?

People choose Panasonic because our products are dependable and meet the needs of professionals and educators. The versatile PT-EZ590 Series, for example, serves up immersive pictures in almost any situation, plug-and-play, with uncommonly low running costs. Like you, Panasonic projectors are working hard to deliver results of the highest quality.





Low Total Cost of Ownership



Reason

3

From dust-resistant construction to long-life UHM lamp, the PT-EZ590 Series is engineered for trouble-free operation with very low maintenance, saving you time and money.





DIGITAL

LCD Projectors

PT-EZ590 Series

	PT-EZ590	PT-EW650	PT-EW550	PT-EX620	PT-EX520
Resolution	WUXGA	WXGA	WXGA	XGA	XGA
Brightness	5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
Contrast	10,0	00:1	2,000:1	10,000:1	2,000:1









Enginnering / Art classes

Lecture theaters

Classrooms

Meeting rooms



High Picture Quality

Compact and Stylish Projectors Deliver Up to 6,200 lm*1 Brightness

With up to 6,200 lm*1 of brightness, the PT-EZ590 Series produces brilliant images even in high levels of artificial light. Text is clear and legible while graphics and video are reproduced with natural vibrancy.

Dynamic Contrast of 10,000:1*2 with Iris

High dynamic contrast of 10,000:1*2 is enabled by an iris mechanism, so that whites are brighter and blacks deeper with minimal loss of detail in dark images. The result is crisp and comfortable viewing.

High WUXGA*3 Resolution for Lush Detail

With up to WUXGA*3 (1920 x 1200) resolution, the PT-EZ590 Series is capable of displaying Full HD video. The extra detail and depth engages viewers for a more compelling presentation.

Daylight View Basic Ensures Vivid Images in Bright Rooms

Panasonic's original Daylight View Basic uses a built-in sensor to measure ambient light and calibrates image-projection to suit, optimizing brightness and halftone color and sharpening details for easy-to-see pictures in well-lit environments



Conventional Projector



Daylight View Basic

DICOM Simulation Mode for Medical Presentations

This imaging mode is similar to the DICOM Part 14 medical imaging standard. It lends a film-like quality to X-ray images, making the PT-EZ590 Series suitable for training presentations related to medicine*4.





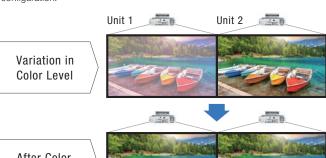


Normal Mode

DICOM Simulation Mode

Color Adjustment for Multi-screen Projection

This function corrects subtle variations in the color reproduction range of individual units set up for multi-screen projection, particularly in side-by-side configuration.



After Color Adjustment

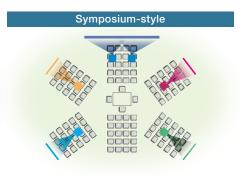


Easy Setup and System Integration

Flexible Layout with **Multiple Projectors**

DIGITAL LINK* makes it quick and easy to select the appropriate display device when rearranging the venue to facilitate different types of presentations, such as lectures or group discussions.





^{*} For PT-EZ590/EZ590L, PT-EW650/EW650L, and PT-EX620/EX620L only.



Installation Simplified with DIGITAL LINK

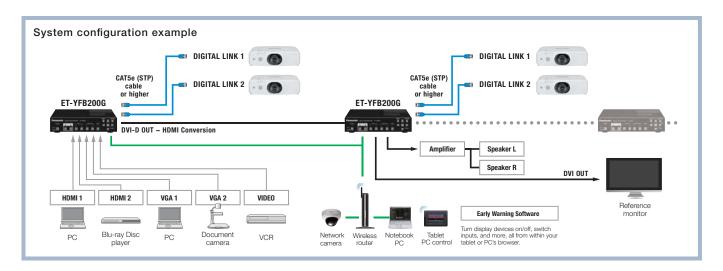
PT-EZ590/EZ590L, PT-EW650/EW650L, and PT-EX620/EX620L feature a DIGITAL LINK connection that supports transmission of Full HD video, audio, and control signals through a single CAT 5e or higher STP cable for distances of up to 150 m (492 ft)*5. An optional DIGITAL LINK Switcher or Digital Interface Box allows source devices to be connected and signals routed to the projector via one cable, saving installation cost and simplifying the AV system.

DIGITAL LINK is based on the HDBaseT™ communication standard developed by the HDBaseT Alliance with unique Panasonic functions added. This means peripheral HDBaseTM-compatible devices manufactured by other brands can be connected together with Panasonic products such as the ET-YFB200G for easy system control over the network.



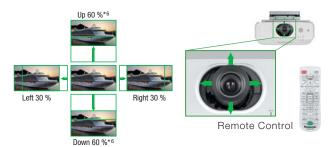
DIGITAL LINK Switcher ET-YFB200G

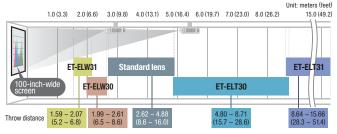




Powered Lens Shift, Zoom, and Focus via Remote Control

The wide adjustment range of the powered horizontal/vertical lens-shift function assures convenience and versatility during installation. Zoom and focus are also easily adjusted via remote control.

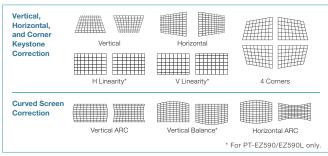




For PT-EZ590/EZ590L/EW650/EW650L/EW550/EW550L (16:10 aspect ratio).

Project onto Curved Surfaces

Horizontal, Vertical, and Corner Keystone Correction adjusts the image shape for clear visibility when projecting off-axis or from an unusual angle. Curved Screen Correction allows for the projection of natural, distortion-free images onto curved or cylindrical surfaces.





Range of Optional Lenses

Choose from a selection of optional zoom lenses for your system. The additional lenses make it easier to adapt the projector to the installation site. Lenses attach and detach with one-touch ease.



Mechanical Lens Shutter

A mechanical lens shutter prevents light leakage when the projector is on standby or temporarily not in use, such as periods during meetings. Note: PT-EW550/EW550L and PT-EX520/EX520L feature an AV Mute function instead of a

Lens-Centered Design

A symmetrical lens-centered design reduces installation complexity and makes these projectors easier to adapt to a wider range of installation sites.



Project Wirelessly with Optional Module

The optional ET-WML100 wireless USB module enables projection of a variety of media via Windows® PCs, iOS devices, or Android™ devices loaded with an appropriate app. Whether projecting from desk or ceiling, there's no need for cables—and it's also possible to display content from more than one device at a time in Multi-Live Mode.

Presenter Light Ver. 1.0 for Windows® PCs

- Stills, video, documents (including PDF and PowerPoint® files), and other media displayed on the PC screen can be wirelessly projected
- Images from up to four PCs can be projected simultaneously

VueMagic[™] Pro*⁷ for iOS/Android[™] Devices

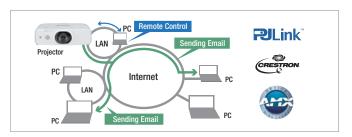
- Selected still images and document formats (including PDF files) are supported
- Features Live Camera Mode and Annotate Mode
- Images from up to four devices can be projected simultaneously



Integrates into Existing AV Infrastructure

With support for PJLink™ Class 1, Crestron Connected, AMX, and RS-232C over wired LAN*, any legacy unit can be swapped out for a PT-EZ590 Series projector without disrupting existing control and management infrastructure. Emulation via RS-232C allows original settings to be preserved. PT-EZ590 Series supports optional Early Warning Software that notifies the administrator ahead of time when part replacement is required.

* Setting [Command Control] in the [Network Control] menu to ON enables projector control via LAN using control commands in Serial Input format. Please refer to the "Network Control" section in user manual for further details. Note that PT-EZ590 Series needs network connection request processes for individual commands. For more information, please visit our global website.



^{*1} PT-EX620/EX620L features 6,200 Im, PT-EW650/EW650L 5,800 Im, PT-EZ590/EZ590L 5,400 Im, PT-EX520/EX520L 5,300 Im, and PT-EW550/EW550L 5,000 Im of brightness. *2 PT-EW550/EW550L and PT-EX520/EX520L feature 2,000:1 contrast. *3 PT-EZ590/EZ590L features WUXGA, PT-EW650/EW650L/EW550/EW550L WXGA, and PT-EX620/EX520/EX520L XGA native resolution. *4 This product is not a medical instrument. Do not use for actual medical diagnosis. *5 150 m (492 ft) transmission available in Long Reach Mode with optional ET-YFB200G DIGITAL LINK Switcher only. Signal resolution is limited to 1080/60p (dot-clock frequency 148.5 MHz) and below. *6 PT-EX620/EX520/EX520/EX520/EX520/EX520 features up to 50 % lens shift. *7 VueMagic™ Pro is a product of Pixelworks, Inc. For more information, please visit vuemagic_pixelworks.com



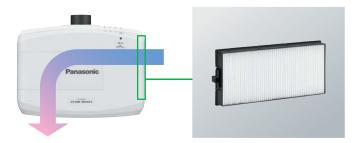
Low Running Cost and Easy Maintenance

Extended Lamp Replacement Cycle

PT-EZ590 Series projectors feature a lamp replacement cycle of up to 5,000 hours*8. This helps to lower operating costs, reduce labor, and minimize wastage by extending the operation period between lamp maintenance.

Dust-Resistant Cabinet and Extra-Long-Life Eco Filter

If dust gets inside the projector's optical unit, brightness suffers. The PT-EZ590 Series protects against dust intrusion with a one-way airflow design and improved sealing for the lens block, air intake duct, and Eco Filter. This electrostatic Micro Cut Filter captures the tiniest dust particles and requires no maintenance for 15,000 hours*9. It also can be washed and reused*10. These dust-resistant projectors are designed to maintain brightness for longer in high-traffic environments while reducing servicing costs.



ECO Management Slashes Power Consumption

A variety of Eco Management functions are accessible via a button on the remote controller. These include brightness optimization for ambient lighting conditions and lamp power reduction when no input signal is detected.



Quiet Operation in ECO Mode

The quiet design reduces operating noise to just 29 dB*11, with the sound of the cooling fan hardly noticeable. This helps to keep the audience focused on your presentation.

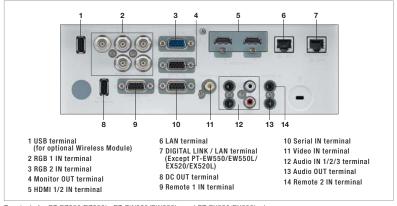
Easy-Access Lamp and Filter

To reduce hassle, the filter can be replaced via the side and the lamp from the top of the projector. There's no need to remove the unit from its ceiling mount for periodic maintenance.



Additional Features

- Power-saving Eco Standby Mode draws just 0.3 W*12
- Direct Power Off enables safe projector shutdown via breaker switch
- Anti-theft measures include security bar, password protection, and personalized startup logo
- Supports free Multi Monitoring & Control Software
- 10 W speaker
- Closed Captioning (NTSC, 480i YCBCR)
- Schedule Function



Terminals for PT-EZ590/EZ590L, PT-EW650/EW650L, and PT-EX620/EX620L shown.

*8 With lamp power set to ECO. Up to 4,000 hours with lamp power set to NORMAL. *9 Period varies depending on usage environment. *10 Follow user manual procedures when servicing filter. Replacement recommended after washing and reusing filter twice. If not sufficiently clean after washing, replacement is advised. *11 35 dB with lamp power set to NORMAL. *12 When the Standby Mode is set to ECO, network functions such as Power On via LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.

Related Products

Featuring a Dual Eco Filter, this compact and essentially dustproof projector is ideal for use in classrooms of small to moderate size, and features DIGITAL LINK for ease of installation.



LCD Projectors
PT-**FZ570** Series

PT-FZ570 WUXGA 4,500 lm 10,000:1
PT-FW530 WXGA 4,500 lm 10,000:1
PT-FX500 XGA 5,000 lm 10,000:1

■ Projection Distance

PT-EZ590 / PT-EZ590L / PT-EW650 / PT-EW650L / PT-EW550 / PT-EW550L

unit: meters (feet)

		Projection distance (L)*								Height from the edge of		
Diagon	al image size	Zoom lenses										
Diagoni	at iiiiaye size	ET-ELW31 ET-		ELW30 Stand		rd lens	ET-E	ET-ELT30		LT31	screen to center of lens (H)	
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
	1.02 (40")	0.62 (2.0)	0.81 (2.7)	0.78 (2.6)	1.03 (3.4)	1.03 (3.4)	1.94 (6.4)	1.86 (6.1)	3.42 (11.2)	3.53 (11.6)	6.35 (20.8)	-0.05 ~ 0.59 (-0.2 ~ 1.9)
	1.27 (50")	0.78 (2.6)	1.02 (3.3)	0.98 (3.2)	1.29 (4.2)	1.29 (4.2)	2.42 (7.9)	2.35 (7.7)	4.29 [14.1]	4.37 (14.3)	7.88 (25.9)	$-0.07\sim 0.74$ ($-0.2\sim 2.4$)
	1.52 (60")	0.94 (3.1)	1.23 (4.0)	1.18 (3.9)	1.55 (5.1)	1.55 (5.1)	2.91 (9.5)	2.83 (9.3)	5.16 (16.9)	5.21 (17.1)	9.41 (30.9)	-0.08 ~ 0.89 (-0.3 ~ 2.9)
16:10 aspect ratio	1.78 (70")	1.10 (3.6)	1.44 (4.7)	1.39 (4.6)	1.82 (6.0)	1.82 (6.0)	3.41 (11.2)	3.33 (10.9)	6.06(19.9)	6.08 (19.9)	11.00 (36.1)	-0.09 ~ 1.04 (-0.3 ~ 3.4)
	2.03 (80")	1.26 (4.1)	1.65 (5.4)	1.59 (5.2)	2.08 (6.8)	2.09 (6.9)	3.89 (12.8)	3.82 (12.5)	6.93 (22.7)	6.93 (22.7)	12.54 (41.1)	-0.11 ~ 1.18 (-0.4 ~ 3.9)
	2.29 (90")	1.43 (4.7)	1.87 (6.1)	1.79 (5.9)	2.35 (7.7)	2.36 (7.7)	4.40 (14.4)	4.32 (14.2)	7.84 (25.7)	7.80 (25.6)	14.13 (46.4)	-0.12 ~ 1.34 (-0.4 ~ 4.4)
	2.54 (100")	1.59 (5.2)	2.07 (6.8)	1.99 (6.5)	2.61 (8.6)	2.62 (8.6)	4.88 (16.0)	4.80 (15.7)	8.71 (28.6)	8.64 (28.3)	15.66 (51.4)	-0.13 ~ 1.48 (-0.4 ~ 4.9)
	3.05 (120")	1.91 (6.3)	2.5 (8.2)	2.40 (7.9)	3.14 (10.3)	3.15 (10.3)	5.87 (19.3)	5.79 (19.0)	10.49 (34.4)	10.35 (34.0)	18.79 (61.6)	-0.16 \sim 1.78 (-0.5 \sim 5.8)
	3.81 (150")	2.40 (7.9)	3.13 (10.3)	3.01 (9.9)	3.93 (12.9)	3.94 (12.9)	7.34 (24.1)	7.26 (23.8)	13.13 (43.1)	12.91 (42.4)	23.44 (76.9)	-0.20 ~ 2.22 (-0.7 ~ 7.3)
	5.08 (200")	3.21 (10.5)	4.18 (13.7)	4.02 (13.2)	5.25 (17.2)	5.27 (17.3)	9.79 (32.1)	9.71 (31.9)	17.55 (57.6)	17.18 (56.4)	31.23 (102.5)	-0.27 ~ 2.96 (-0.9 ~ 9.7)
	6.35 (250")	4.01 (13.2)	5.23 (17.2)	5.03 (16.5)	6.57 (21.6)	6.59 (21.6)	12.25 (40.2)	12.17 (39.9)	21.98 (72.1)	21.45 (70.4)	39.01 (128.0)	-0.34 ~ 3.70 (-1.1 ~ 12.1)
	7.62 (300")	4.82 (15.8)	6.29 (20.6)	6.05 (19.8)	7.89 (25.9)	7.92 (26.0)	14.71 (48.3)	14.63 (48.0)	26.40 (86.6)	25.72 (84.4)	46.79 (153.5)	-0.40 ~ 4.44 (-1.3 ~ 14.6)
	10.16 (400")	6.44 (21.1)	8.39 (27.5)	8.07 (26.5)	10.53 (34.5)	10.57 (34.7)	19.62 (64.4)	19.54 (64.1)	35.25 (115.6)	34.26 (112.4)	62.36 (204.6)	-0.54 \sim 5.92 (-1.8 \sim 19.4)
	1.02 (40")	0.64 (2.1)	0.84 (2.8)	0.80 (2.6)	1.06 (3.5)	1.06 (3.5)	1.99 (6.5)	1.92 (6.3)	3.51 (11.5)	3.62 (11.9)	6.52 (21.4)	-0.08 ~ 0.58 (-0.3 ~ 1.9)
	1.27 (50")	0.80 (2.6)	1.05 (3.4)	1.01 (3.3)	1.32 (4.3)	1.33 (4.4)	2.49 (8.2)	2.41 (7.9)	4.41 (14.5)	4.49 (14.7)	8.09 (26.5)	-0.10 ~ 0.73 (-0.3 ~ 2.4)
	1.52 (60")	0.96 (3.1)	1.26 (4.1)	1.21 (4.0)	1.59 (5.2)	1.60 (5.2)	2.99 (9.8)	2.91 (9.5)	5.30 (17.4)	5.35 (17.6)	9.67 (31.7)	-0.12 ~ 0.87 (-0.4 ~ 2.9)
	1.78 (70")	1.13 (3.7)	1.48 (4.9)	1.43 (4.7)	1.87 (6.1)	1.88 (6.2)	3.51 (11.5)	3.43 (11.3)	6.23 (20.4)	6.25 (20.5)	11.31 (37.1)	-0.15 ~ 1.02 (-0.5 ~ 3.3)
	2.03 (80")	1.30 (4.3)	1.70 (5.6)	1.63 (5.3)	2.13 (7.0)	2.14 (7.0)	4.0 (13.1)	3.92 (12.9)	7.13 (23.4)	7.12 (23.4)	12.88 (42.3)	-0.17 ~ 1.16 (-0.6 ~ 3.8)
4/ 0	2.29 (90")	1.47 (4.8)	1.92 (6.3)	1.84 (6.0)	2.41 (7.9)	2.42 (7.9)	4.52 (14.8)	4.44 (14.6)	8.06 (26.4)	8.01 (26.3)	14.52 (47.6)	-0.19 ~ 1.31 (-0.6 ~ 4.3)
16:9 aspect ratio	2.54 (100")	1.63 (5.3)	2.13 (7.0)	2.05 (6.7)	2.68 (8.8)	2.69 (8.8)	5.02 (16.5)	4.94 (16.2)	8.96 (29.4)	8.88 (29.1)	16.09 (52.8)	-0.21 ~ 1.45 (-0.7 ~ 4.8)
aspectiano	3.05 (120")	1.97 (6.5)	2.57 (8.4)	2.47 (8.1)	3.22 (10.6)	3.24 (10.6)	6.03 (19.8)	5.95 (19.5)	10.78 (35.4)	10.64 (34.9)	19.31 (63.4)	-0.25 ~ 1.74 (-0.8 ~ 5.7)
	3.81 (150")	2.46 (8.1)	3.21 (10.5)	3.09 (10.1)	4.04 (13.3)	4.05 (13.3)	7.54 (24.7)	7.46 (24.5)	13.50 (44.3)	13.27 (43.5)	24.09 (79.0)	-0.31 ~ 2.18 (-1.0 ~ 7.2)
	5.08 (200")	3.30 (10.8)	4.30 (14.1)	4.13 (13.5)	5.39 (17.7)	5.42 (17.8)	10.07 (33.0)	9.99 (32.8)	18.05 (59.2)	17.66 (57.9)	32.09 (105.3)	-0.42 ~ 2.90 (-1.4 ~ 9.5)
	6.35 (250")	4.13 (13.5)	5.38 (17.7)	5.17 (17.0)	6.75 (22.1)	6.78 (22.2)	12.59 (41.3)	12.51 (41.0)	22.59 (74.1)	22.04 (72.3)	40.09 (131.5)	-0.52 ~ 3.63 (-1.7 ~ 11.9)
	7.62 (300")	4.96 (16.3)	6.46 (21.2)	6.22 (20.4)	8.11 (26.6)	8.14 (26.7)	15.11 (49.6)	15.04 (49.3)	27.14 (89.0)	26.43 (86.7)	48.09 (157.8)	-0.62 ~ 4.36 (-2.0 ~ 14.3)
	10.16 (400")	6.62 (21.7)	8.63 (28.3)	8.30 (27.2)	10.82 (35.5)	10.86 (35.6)	20.16 (66.1)	20.09 (65.9)	36.23 (118.9)	35.21(115.5)	64.09 (210.3)	-0.83 ~ 5.81 (-2.7 ~ 19.1)

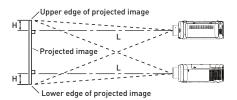
PT-EX620 / EX620L, PT-EX520 / EX520L

unit: meters (feet)

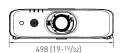
I I EXCECT	EXCECE, I I EX	OLO / LNOLO	_									dilit. Hieters (leet)
		Projection distance (L)*										
D:	Diagonal image size		Zoom lenses									
Diagon			ET-ELW31 ET-		-ELW30 Standar		rd lens ET-ELT30		LT30 ET-		LT31	Height from the edge of screen to center of lens (H)
		min.	max.	min.	max.	min.	max.	min.	max.	min.	max.	
	1.02 (40")	0.63 (2.1)	0.90 (3.0)	0.80 (2.6)	1.05 (3.4)	1.05 (3.4)	1.98 (6.5)	1.90 (6.2)	3.51 (11.5)	3.60 (11.8)	6.46 (21.2)	0.00 ~ 0.61 (0.0 ~ 2.0)
	1.27 (50")	0.79 (2.6)	1.11 (3.6)	1.00 (3.3)	1.31 (4.3)	1.32 (4.3)	2.47 (8.1)	2.39 (7.8)	4.39 [14.4]	4.45 (14.6)	8.03 (26.3)	0.00 ~ 0.76 (0.0 ~ 2.5)
	1.52 (60")	0.95 (3.1)	1.32 (4.3)	1.20 (3.9)	1.58 (5.2)	1.58 (5.2)	2.96 (9.7)	2.88 (9.4)	5.28 (17.3)	5.31 (17.4)	9.59 (31.5)	0.00 ~ 0.91 (0.0 ~ 3.0)
	1.78 (70")	1.12 (3.7)	1.54 (5.1)	1.41 (4.6)	1.85 (6.1)	1.86 (6.1)	3.47 (11.4)	3.39 (11.1)	6.20(20.3)	6.20 (20.3)	11.21 (36.8)	0.00 ~ 1.07 (0.0 ~ 3.5)
	2.03 (80")	1.29 (4.2)	1.75 (5.7)	1.62 (5.3)	2.12 (7.0)	2.12 (7.0)	3.97 (13.0)	3.89 (12.8)	7.09 (23.3)	7.06 (23.2)	12.77 (41.9)	0.00 ~ 1.22 (0.0 ~ 4.0)
	2.29 (90")	1.45 (4.8)	1.97 (6.5)	1.83 (6.0)	2.39 (7.8)	2.40 (7.9)	4.48 (14.7)	4.40 (14.4)	8.01 (26.3)	7.95 (26.1)	14.40 (47.2)	$0.00 \sim$ 1.37 (0.0 \sim 4.5)
4:3 aspect ratio	2.54 (100")	1.62 (5.3)	2.18 (7.2)	2.03 (6.7)	2.66 (8.7)	2.67 (8.8)	4.97 (16.3)	4.89 (16.0)	8.89 (29.2)	8.80 (28.9)	15.96 (52.4)	0.00 ~ 1.52 (0.0 ~ 5.0)
аэресстано	3.05 (120")	1.95 (6.4)	2.61 (8.6)	2.45 (8.0)	3.20 (10.5)	3.21 (10.5)	5.98 (19.6)	5.90 (19.4)	10.70 (35.1)	10.55 (34.6)	19.14 (62.8)	0.00 ~ 1.83 (0.0 ~ 6.0)
	3.81 (150")	2.44 (8.0)	3.26 (10.7)	3.06 (10.0)	4.00 (13.1)	4.02 (13.2)	7.47(24.5)	7.39 (24.2)	13.40 (44.0)	13.16 (43.2)	23.89 (78.4)	0.00 ~ 2.29 (0.0 ~ 7.5)
	5.08 (200")	3.27 (10.7)	4.33 (14.2)	4.10 (13.5)	5.35 (17.6)	5.37 (17.6)	9.98 (32.7)	9.90 (32.5)	17.90 (58.7)	17.51 (57.4)	31.82 (104.4)	0.00 ~ 3.05 (0.0 ~ 10.0)
	6.35 (250")	4.09 (13.4)	5.40 (17.7)	5.13 (16.8)	6.69 (21.9)	6.72 (22.0)	12.48 (40.9)	12.40 (40.7)	22.40 (73.5)	21.86 (71.7)	39.75 (130.4)	0.00 ~ 3.81 (0.0 ~ 12.5)
	7.62 (300")	4.91 (16.1)	6.48 (21.3)	6.16 (20.2)	8.04 (26.4)	8.07 (26.5)	14.98 (49.1)	14.90 (48.9)	26.91 (88.3)	26.21 (86.0)	46.68 (156.4)	0.00 ~ 4.57 (0.0 ~ 15.0)
	10.16 (400")	6.56 (21.5)	8.62 (28.3)	8.22 (27.0)	10.73 (35.2)	10.77 (35.3)	19.99 (65.6)	19.91(65.3)	35.91 (117.8)	34.91 (114.5)	63.55 (208.5)	0.00 ~ 6.10 (0.0 ~ 20.0)

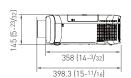
^{*}The value for L (distance to screen) varies slightly within ±5 % depending on the zoom lens characteristics.

Note: The zoom lens characteristics may cause slight image distortion. When vertical keystone correction is used, the image is corrected in the direction that reduces its projected size.



Dimensions





unit: mm (inch)

Optional Accessories

Zoom Lens ET-ELW31



Zoom Lens ET-ELW30



Zoom Lens ET-ELT30



Zoom Lens ET-ELT31



Replacement Lamp Unit ET-LAEF100



Ceiling Mount Bracket (for High Ceiling) ET-PKD120H



Ceiling Mount Bracket (for Low Ceiling) ET-PKD120S



Projector Mount Bracket ET-PKE300B



Replacement Filter Unit ET-RFE300



D-sub/S-VIDEO Conversion Cable ET-ADSV

DIGITAL LINK Switcher

ET-YFB200G



Digital Interface Box ET-YFB100G



Wireless Module ET-WML100



Early Warning ET-SWA100 series

Specifications

Model		PT-EZ590/EZ590L	PT-EW650/EW650L	PT-EW550/EW550L	PT-EX620/EX620L	PT-EX520/EX520L						
Power suppl	ly	100-240 V AC, 50/60 Hz										
Power consu	umption	484 W, Normal: 444 W, Eco: 325 W (0.3 W with Standby Mode set to Eco*1, 12 W with Standby Mode set to Normal)	461 W, Normal: 424 W, Eco: 305 W (0.3 W with Standby Mode set to Eco*1, 12 W with Standby Mode set to Normal)	461 W, Normal: 424 W, Eco: 305 W (0.3 W with Standby Mode set to Eco*1, 8 W with Standby Mode set to Normal)	461 W, Normal: 424 W, Eco: 305 W (0.3 W with Standby Mode set to Eco*1, 12 W with Standby Mode set to Normal)	461 W, Normal: 424 W, Eco: 305 W (0.3 W with Standby Mode set to Eco*1, 8 W with Standby Mode set to Normal)						
LCD panel	Panel size	16.3 mm (0.64") diagonal (16:10 aspect ratio) 16.0 mm (0.63") diagonal (4:3 aspect ratio)										
	Display method	Transparent LCD panel (x 3, R/G/B)										
	Drive method	Active matrix										
	Pixels	2,304,000 (1920 × 1200) × 3, total of 6,912,000 pixels	1,024,000 (1280 × 800) × 3, total of 3,072,000 pixels	786,432 (1024 × 768) × 3, total of 2,359,296 pixels								
_ens		PT-EZ590/EW650/EW550: Powered 1.8 x PT-EZ590L/EW650L/EW550L: Optional po	zoom (throw ratio 1.22–2.26:1), powered fo owered zoom/focus lenses	PT-EX620/EX520: Powered 1.8 x zoom (throw ratio 1.32–2.44:1), powered focus F 1.6–2.2, f 17.1–31.7 mm, PT-EX620L/EX520L: Optional powered zoom/focus len								
_amp		320 W UHM lamp × 1										
		4,000 hours*2 (Lamp Power: Normal), 5,00	00 hours*2 (Lamp Power: Eco)									
		1.03-10.57 m (40-400 in), 16:10 aspect	ratio		1.05-10.77 m (40-400 in), 4:3 aspect ratio							
Brightness*3	3	5,400 lm (Lamp Power: Normal, Dynamic Mode, Iris: OFF, Dynamic Mode, Dyn		5,000 lm (Lamp Power: Normal, Dynamic Mode, Iris: OFF, Daylight View: OFF, Auto Power Save: OFF)	6,200 Im (Lamp Power: Normal, Dynamic Mode, Iris: OFF, Daylight View: OFF, Auto Power Save: OFF) Daylight View: OFF, Auto Power Save: OFF)							
Center-to-co	orner uniformity* ³	90 %										
Contrast*3		10,000:1 (Lamp Power: Normal, Dynamic Mode, Iris: (ON, Daylight View: OFF, Auto Power Save: OFF)	2,000:1 (Lamp Power: Normal, Dynamic Mode, Iris: ON, Daylight View: OFF, Auto Power Save: OFF)	10,000:1 (Lamp Power: Normal, Dynamic Mode, Iris: ON, Daylight View: OFF, Auto Power Save: OFF)	2,000:1 (Lamp Power: Normal, Dynamic Mode, Iris: ON, Daylight View: OFF, Auto Power Save: OFF)						
Resolution		1920 × 1200 pixels	1280 × 800 pixels*4		1024 × 768 pixels*4							
Scanning	HDMI/DIGITAL LINK	Ht. 15 kHz-90 kHz, N: 24 Hz-100 Hz, dot look: 25 MHz-162 MHz, compatible with HDCP. DIGITAL LINK not included on PT-EW50/EW550/EV520/EX520/EX520.										
	RGB	ft: 15 kHz-90 kHz, fV: 24 Hz-100 Hz, dot clock: up to 162 MHz										
	YPBPR (YCBCR)	H: 15.73 kHz, IV: 59.94 Hz [480] (525)]], RI: 15.63 kHz, IV: 50 Hz [576] (625)]], RI: 45.00 kHz, IV: 60 Hz [720 (750)/60p], RI: 33.75 kHz, IV: 60 Hz [1080 (1125)/60n], RI: 28.13 kHz, IV: 25 Hz [1080 (1125)/25p], HI: 27.00 kHz, IV: 48 Hz [1080 (1125)/244F], RI: 67.50 kHz, IV: 60 Hz [1080 (1125)/224f], RI: 37.50 kHz, IV: 59.94 Hz [480p (625)p], RI: 31.25 kHz, IV: 50 Hz [1080 (1125)/50p], RI: 28.13 kHz, IV: 50 Hz [1080 (1125)/50p], RI: 27.00 kHz, IV: 24 Hz [1080 (1125)/24f], RI: 33.75 kHz, IV: 50 Hz [1080 (1125)/50p], RI: 31.25 kHz, IV: 50 Hz [1080 (1125)/50p], RI: 28.13 kHz, IV: 50 Hz [1080 (1125)/50p], RI: 31.25 kHz, IV: 50 Hz [
	Video/YC	fH: 15.73 kHz, fV: 59.94 Hz [NTSC/NTSC4.	43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz	[PAL/PAL-N/SECAM]								
Optical	Vertical (from center of screen)	±60 % (powered) ±50 % (powered)										
	Horizontal (from center of screen)	±30 % (powered)										
Keystone co	rrection range*5	Vertical: ±25 °, horizontal: ±30 °	Vertical: ±35 °, horizontal: ±35 °									
Installation		Ceiling/floor, front/rear										
Built-in spea	aker	4.0 cm (monaural) x 1										
	HDMI IN	HDMI 19-pin × 2 (Deep Color, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)										
	RGB 1 IN	BNC x 5 (RGB or YPePa/YCaCn x 1), shared with VIDEO IN (S-video/composite video)										
	RGB 2 IN	Mini D-sub 15-pin (female) x 1										
	VIDEO IN	Pin jack x 1 (composite video)										
	MONITOR OUT	Mini D-sub 15-pin (female) x 1 (RGB x 1) (compatible with RGB or YPePrx/YCaCR)										
		Pin jack x 2 (UR x 1), M3 x 2 (L-R x 2)										
	AUDIO OUT	M3 x 1 (L-R x 1) for output (variable)										
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)										
	REMOTE 1 IN	D-sub 9-pin (female) x 1 for external control (parallel)										
	REMOTE 2 IN	M3 x 1 for wired remote control										
		RJ-45 x 1 for network connection, 10Base-TX, compatible with PJLink™										
	LAN	RJ-45 x 1 for network connection, 10Base-	T, 100Base-TX, compatible with PJLink™									
		RJ-45 x 1 for network connection, 10Base- RJ-45 x 1 for network and DIGITAL LINK co 100Base-TX, compatible with PJLink™, HI	nnection,	_	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color							
	LAN	RJ-45 x 1 for network and DIGITAL LINK cc 100Base-TX, compatible with PJLink™, HI	nnection,		connection, 100Base-TX, compatible with	_						
Operating no	LAN DIGITAL LINK / LAN USB-A	RJ-45 x 1 for network and DIGITAL LINK cc 100Base-TX, compatible with PJLink™, HI	nnection, DCP, Deep Color ET-WML100) x 1, DC output terminal for pow	er supply (DC 5 V, up to 900 mA) x 1	connection, 100Base-TX, compatible with	_						
	LAN DIGITAL LINK / LAN USB-A	RJ-45 x 1 for network and DIGITAL LINK cc 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module	nnection, DCP, Deep Color ET-WML100) x 1, DC output terminal for pow Power: Eco)	er supply (DC 5 V, up to 900 mA) x 1	connection, 100Base-TX, compatible with	-						
Filter	LAN DIGITAL LINK / LAN USB-A Dise ^{*3}	RJ-45 x 1 for network and DIGITAL LINK or 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module 35 dB (Lamp Power: Normal), 29 dB (Lamp	nnection, DCP, Deep Color ET-WML100) x 1, DC output terminal for pow Power: Eco)	er supply (DC 5 V, up to 900 mA) x 1	connection, 100Base-TX, compatible with	— (AV mute)						
Filter Mechanical	LAN DIGITAL LINK / LAN USB-A Dise*3 shutter	RJ-45 x 1 for network and DIGITAL LINK or 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module 35 dB (Lamp Power: Normal), 29 dB (Lamp x 1, replacement cycle: up to 15,000 hour	nnection, DCP, Deep Color ET-WML100) x 1, DC output terminal for pow Power: Eco)		connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color	— (AV mute)						
Operating no Filter Mechanical : Cabinet mat Dimensions	LAN DIGITAL LINK / LAN USB-A Dise*3 shutter	RJ-45 x 1 for network and DIGITAL LINK or 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module 35 dB (Lamp Power: Normal), 29 dB (Lamp x 1, replacement cycle: up to 15,000 hour Yes Molded plastic (PC + ABS) PT-EZ590/EW650/EW550/EX520/EX520	nnection, DCP, Deep Color ET-WML100) x 1, DC output terminal for pow Power: Eco)	— (AV mute) (3/32**7 x 15 11/16*) (with supplied lens)	connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color	— (AV mute)						
Filter Mechanical : Cabinet mat Dimensions Veight*8	LAN DIGITAL LINK / LAN USB-A Dise*3 Shutter erials (W × H × D)	RJ-45 x 1 for network and DIGITAL LINK or 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module 35 dB (Lamp Power: Normal), 29 dB (Lamp Yes Normal), 29 dB (Lamp Yes Molded plastic (PC + ABS) PT-EZ590/EW650/EW550/EX620/EX520 PT-EZ590L/EW650/EW550/EX620/EX520/E	nnection, CP, Deep Color ET-WML100) x 1, DC output terminal for pow. Power: Eco) 5: 498 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 498 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 498 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 496 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 496 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 496 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 496 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L; 475*2 mm (19 19/32* x 5	— (AV mute) 3/ ₂₂ -7 x 15 ¹¹ / ₁₆ °) (with supplied lens) 5 23/ ₃₂ ° -7 x 14 3/ ₃₂ °) (without lens) lens) t lens)	connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color	— (AV mute)						
Filter Mechanical : Cabinet mat	LAN DIGITAL LINK / LAN USB-A Dise*3 Shutter erials (W × H × D)	RJ-45 x 1 for network and DIGITAL LINK or 100Base-TX, compatible with PJLink™, HI USB terminal for optional Wireless Module 35 dB (Lamp Power: Normal), 29 dB (Lamp Yes Normal), 29 dB (Lamp Yes Molded plastic (PC + ABS) PT-EZ590/EW650/EW550/EX620/EX520 PT-EZ590L/EW650/EW550/EX620/EX520/E	nnection, ICP, Deep Color ET-WML100) x 1, DC output terminal for pow Power: Eco) g*6 : 498 x 145*7 x 398.3 mm (19 19/32* x 5 2 4520L: 498 x 145*7 x 358 mm (19 19/32* x 5 2 4520L: 498 x 145*7 x 358 mm (19 19/32* x 5	— (AV mute) 3/ ₂₂ -7 x 15 ¹¹ / ₁₆ °) (with supplied lens) 5 23/ ₃₂ ° -7 x 14 3/ ₃₂ °) (without lens) lens) t lens)	connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color	— (AV mute)						

Note: The PT-EZ590L/EW650L/EW550L/EX620L delivers the same performance as the PT-EZ590/EW650/EW550/EX620/EX520, but comes without a lens. *1 When Standby Mode is set to Eco, network functions such as power on over LAN will not operate. Also, only certain commands can be received for external control using the serial terminal. *2 This is the maximum value when the lamp is turned on for 2 hours and off for 0.25 hours. If the lamp is turned on more frequently or kept on for a long time, lamp replacement cycle will be reduced. Usage environment affects the duration of the lamp. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *4 Input signals that exceed supported resolution will be converted. *5 With the supplied lens. Value differs when the correction for both directions is operated. *6 Usage environment affects the duration of the filter. *7 With legs at shortest position. *8 Average value. May differ depending on models. *9 At altitudes below 1,400 m (4,593 ft) above sea level. Operating temperature range is 0 *C to 40 *C (32 *F to 104 *F) (35 *C [95 *F] at high altitude), lamp power automatically switches to Eco in order to protect the projector. *10 Power cords available (x2) for Europe, the UK and Asia only.

Panasonic



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