Panasonic
BUSINESS

PT-EZ590 Series
LCD Projectors

Available from Spring 2016

Tentative

Compact and Lightweight Multi-purpose Projectors
Offer Flexibility and Economy

DIGITAL LINK
SINGLE CABLE SOLUTION

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

Excellent Picture Quality

- High Brightness of Up to 6,200 lm*1 from a Compact Body
- Dynamic 10,000:1 Contrast*2 Performance with Iris
- High Resolution Up to WUXGA*3 for Detailed Full HD Images
- Daylight View Basic Function Ensures Clear and Vivid Image Quality in Bright Environments
- DICOM Simulation Mode*4 for Medical Presentations
- Color Adjustment Function to Correct Color Variations in Multi-Projector Applications

Low TCO and Easy Maintenance

- Long Lamp Replacement Cycle: Up to 5,000 Hours (Eco) / 4,000 Hours (Normal)
- Reusable Eco Filter Replacement Extended to 15,000 Hours
- Dust-Resistant Cabinet with One-Way Air Flow Design
- Easy Access to Lamp, Filter, and Lens When Mounted on Ceiling
- ECO Management System Effectively Reduces Power Consumption
- Ultra-Quiet 29 dB*5 Operation on ECO Mode

System Flexibility

- DIGITAL LINK Supports Transmission of Uncompressed Full HD Video, Audio, and Control Commands Through a Single CAT 5e or Higher STP Cable for Distances of Up to 150 m (492 ft)*6
- Powered Lens Shift, Zoom, and Focus via Remote Control
- Wireless Projection with Optional Dongle (ET-WML100)
- Corner Keystone & Curved Screen Correction
- Vertical 360-degree Projector Cabinet Rotation
- Range of Optional Lenses
- Network Function via LAN for Easy Remote Operation
- Supports Free Multi Projector Monitoring & Control Software

Specifications (Tentative)

Model	PT-EZ590/EZ590L	PT-EW650/EW650L	PT-EW550/EW550L	PT-EX620/EX620L	PT-EX520/EX520L
Power supply	100–240 V AC, 50/60 Hz				
Power consumption	484 W (0.3 W with Standby Mode set to Eco[*1], 12 W with Standby Mode set to Normal)	461 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)	
LCD panel — Display method	Transparent LCD panel (× 3, R/G/B)				
LCD panel — Drive method	Active matrix				
LCD panel — 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	
Lens	PT-EZ590/EW650/EW550: Powered zoom (throw ratio 1.22–2.26:1), powered focus F 1.6–2.2, f 17.1–31.7 mm PT-EZ590L/EW650L/EW550L: Optional powered zoom/focus lenses			PT-EX620/EX520: Powered 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 lenses	
Lamp	320 W UHM lamp × 1				
Lamp replacement cycle	4,000 hours[*2] (lamp power: Normal), 5,000 hours[*2] (lamp power: Eco)				
Screen size (diagonal)	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]	5,400 lm (lamp power: Auto/Normal, Dynamic Mode, standard lens)	5,800 lm (lamp power: Auto/Normal, Dynamic Mode, standard lens)	5,000 lm (lamp power: Auto/Normal, Dynamic Mode, standard lens)	6,200 lm (lamp power: Auto/Normal, Dynamic Mode, standard lens)	5,300 lm (lamp power: Auto/Normal, Dynamic Mode, standard lens)
Center-to-corner uniformity[*3]	90 %				
Contrast[*3]	10,000:1 (full on/full off, lamp power: Auto, Iris: ON)		2,000:1 (full on/full off, lamp power: Auto)	10,000:1 (full on/full off, lamp power: Auto, Iris: ON)	2,000:1 (full on/full off, lamp power: Auto)
Resolution	1920 × 1200 pixels[*4]	1280 × 800 pixels[*4]		1024 × 768 pixels[*4]	
Scanning frequency — HDMI/DIGITAL LINK	Dot clock: 25–162 MHz (VGA: 640 x 480 pixels to WUXGA: 1920 x 1200 pixels, VESA CVT-RB compliant with HDCP. DIGITAL LINK not included on PT-EW550L/EX520L/EX520L.				
Scanning frequency — RGB	fH: 15 kHz–91 kHz, fV: 24 Hz–120 Hz, dot clock: up to 162 MHz				
Scanning frequency — YPвPв (YCвCв)	fH: 15.73 kHz, fV: 59.94 Hz (480i (525i)], fH: 15.63 kHz, fV: 50 Hz [576i (625i)], fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p], fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i], fH: 28.13 kHz, fV: 25 Hz [1080 (1125)/25p], fH: 27.00 kHz, fV: 48 Hz [1080 (1125)/24sF], fH: 67.50 kHz, fV: 60 Hz [1080 (1125)/60p], fH: 31.47 kHz, fV: 59.94 Hz [480p (525p)], fH: 31.25 kHz, fV: 50 Hz [576p (625p)], fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p], fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i], fH: 27.00 kHz, fV: 24 Hz [1080 (1125)/24p], fH: 33.75 kHz, fV: 30 Hz [1080 (1125)/30p], fH: 56.25 kHz, fV: 50 Hz [1080 (1125)/50p]				
Scanning frequency — 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 axis shift — Vertical (from center of screen)	±60 % (powered)			±50 % (powered)	
Optical axis shift — Horizontal (from center of screen)	±30 % (powered)				
Keystone correction range[*5]	Vertical: ±30 °, horizontal: ±25 °				
Installation	Ceiling/floor, front/rear				
Built-in speaker	3.7 cm round shape × 1, output power: 10.0 W (monaural)				
Terminals — HDMI IN	HDMI 19-pin × 2 (Deep Color, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)				
Terminals — RGB 1 IN	BNC × 5 (RGB or YPвPв/YCвCв x 1), shared with VIDEO IN (S-video/composite video)				
Terminals — RGB 2 IN	D-sub HD 15-pin (female) x 1				
Terminals — VIDEO IN	Pin jack x 1 (composite video)				
Terminals — MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB x 1) (compatible with RGB or YPвPв/YCвCв)				
Terminals — AUDIO IN	Pin jack x 2 (L/R x 1), M3 x 2 (L-R x 2)				
Terminals — AUDIO OUT	M3 x 1 (L-R x 1) for output (variable)				
Terminals — SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)				
Terminals — REMOTE 1 IN	M3 × 1 for wired remote control				
Terminals — REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)				
Terminals — LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PJLink™				
Terminals — DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color		—	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color	—
Terminals — USB-A	2 (Network/Wireless x 1, 5 V/0.9 A x 1)				
Operating noise[*3]	35 dB (lamp power: Normal), 29 dB (lamp power: ECO)				
Filter	× 1, replacement cycle: up to 15,000 hours[*6]				
Mechanical shutter	Yes	— (AV mute)		Yes	— (AV mute)
Cabinet materials	Molded plastic (PC + ABS)				
Dimensions (W × H × D)	PT-EZ590/EW650/EW550/EX620/EX520: 498 x 145[*7] x 398.3 mm (19 19/32˝ x 5 23/32˝[*7] x 15 11/16˝) (with supplied lens) PT-EZ590L/EW650L/EW550L/EX620L/EX520L: 498 x 145[*7] x 358 mm (19 19/32˝ x 5 23/32˝[*7] x 14 3/32˝) (without lens)				
Weight[*8]	PT-EZ590/EW650/EW550/EX620/EX520: Approximately 9.0 kg (19.8 lbs) (with supplied lens) PT-EZ590L/EW650L/EW550L/EX620L/EX520L: Approximately 8.4 kg (18.5 lbs) (without lens)				
Operating environment	Operating temperature: 0 °C–45 °C (32 °F–113 °F)[*9], operating humidity: 20 %–80 % (no condensation)				
Supplied accessories	Power cord with power cord holder[*10], wireless/wired remote control unit × 1, batteries (R03/LR03/AAA type × 2), Software CD-ROM × 1 (Logo Transfer Software, Multi Monitoring and Control Software)				

Note: The PT-EZ590L/EW650L/EW550L/EX620L/EX520L 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 times or kept on for a long time, lamp replacement cycle will shorten. 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 Operating temperature range is 0 °C to 40 °C (32 °F to 104 °F) when used at altitudes from 1,400 m to 2,700 m (4,593 ft to 8,858 ft) above sea level. Also, if ambient temperature exceeds 40 °C (104 °F) (35 °C [95 °F] at high altitude), lamp power may automatically switch to Eco to in order to protect the projector. *10 Power cords available (x2) for Europe, the UK and Asia only.

Optional Accessories

Zoom Lens
ET-ELW30 / ET-ELW31
ET-ELT30 / ET-ELT31

DIGITAL LINK Switcher
ET-YFB200G

Digital Interface Box
ET-YFB100G

Early Warning Software
ET-SWA100 Series

Ceiling Mount Bracket
ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)

Bracket Assembly
ET-PKE300B

Replacement Lamp Unit
ET-LAEF100

Replacement Filter Unit
ET-RFE300

Wireless Module
ET-WML100

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All information included here is valid as of February 2016.

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