Panasonic

PT-EZ580 Series
LCD Projectors

Available from Spring 2014

The Smart Choice for Bright, Flexible, and Economical Projection

DIGITAL LINK
SINGLE CABLE SOLUTION

DIGITAL LINK not included on PT-EW540/L and PT-EX510/L.

PT-EZ580 Series				
PT-EZ580/L	PT-EW640/L	PT-EW540/L	PT-EX610/L	PT-EX510/L
5,400 lm	5,800 lm	5,000 lm	6,200 lm	5,300 lm
WUXGA / 5,000:1	WXGA / 5,000:1	WXGA / 2,000:1	XGA / 5,000:1	XGA / 2,000:1

High Picture Quality

- Bright and quiet operation with up to 6,200 lm*1 at 29 dB*2 on Eco mode
- High 5,000:1*3 contrast performance with iris
- WUXGA (1,920 x 1,200) resolution for brilliant Full HD images (PT-EZ580/L)
- Daylight View Basic Function to correct images for clear projection in well-lit environments
- Picture-in-Picture and Side-by-Side modes for simultaneous viewing of multiple sources
- DICOM Simulation mode for medical presentations and training
- Color Adjustment Function corrects variations between individual units set up for simultaneous projection

Low TCO and Easy Maintenance

- Extended lamp replacement cycle of up to 4,500 hours*4
- Reusable Eco Filter (17,000 hours)*5, sealed optics, and dust-resistant cabinet
- Easy access to lamp and filter for maintenance
- Economical 335 W lamp draws just 0.4 W on Standby in Eco mode
- Intelligent Lamp Control automatically controls brightness to reduce overall power consumption
- Eco Management button on remote gives quick access to a range of Eco functions

System Flexibility

- DIGITAL LINK (based on HDBaseT™ technology) and DisplayPort single-cable connections*6
- Powered lens shift, zoom, and focus via remote control
- Wide range of optional lenses are interchangeable with PT-EZ770 Series
- Horizontal/vertical and corner keystone correction
- Emulation function compatible with existing control systems when replacing legacy Panasonic and Sanyo projectors
- Compatible with PJLink™, AMX, Extron, and Crestron Connected™ control systems
- Mechanical lens shutter*7 prevents distracting light leakage when on Standby
- Direct Power Off function enables safe projector shutdown via breaker switch
- Anti-theft features include a customizable startup logo, password protection, and security bar

*1 Brightness ratings for models in the PT-EZ580 series are as follows: PT-EX610/L (6,200 lm), PT-EW640/L (5,800 lm), PT-EZ580/L (5,400 lm), PT-EX510/L (5,300 lm), and PT-EW540/L (5,000 lm). *2 35 dB with lamp power set to Normal. *3 The PT-EW540/L and PT-EX510/L have a contrast ratio of 2,000:1. *4 With lamp power set to Eco. Up to 4,000 hours with lamp power set to Normal. *5 Filter can be reused up to two times. The usage environment affects the duration of the filter. *6 Except for PT-EW540/L and PT-EX510/L. *7 PT-EW540/L and PT-EX510/L replace the mechanical lens shutter with an AV mute function.

Specifications (Tentative)

Model		PT-EZ580/EZ580L	PT-EW640/EW640L	PT-EW540/EW540L	PT-EX610/EX610L	PT-EX510/EX510L
Power supply		100–240 V AC, 50/60 Hz				
Power consumption		575 W (0.4 W with Standby Mode set to Eco*1, 10 W with Standby Mode set to Normal)				
LCD panel	Panel size	19.0 mm (0.76˝ diagonal (16:10 aspect ratio)			20.0 mm (0.79˝ diagonal (4:3 aspect ratio)	
	Display method	Transparent LCD panel (× 3, R/G/B)				
	Drive method	Active matrix				
	Pixels	2,304,000 (1,920 × 1,200) × 3, total of 6,912,000 pixels	1,024,000 (1,280 × 800) × 3, total of 3,072,000 pixels		786,432 (1,024 × 768) × 3, total of 2,359,296 pixels	
Lens		PT-EZ580/EW640/EW540/EX610/EX510: powered zoom (1.7–2.8:1), powered focus F 1.7–2.3, f 26.9–45.4 mm, PT-EZ580L/EW640L/EW540L/EX610L/EX510L: optional powered zoom/focus and fixed-focus lens				
Lamp		335 W UHM lamp × 1				
Lamp replacement cycle		4,000 hours*2 (lamp power: Normal), 4,500 hours*2 [lamp power: Eco]				
Screen size (diagonal)		1.02–10.16 m (40–400 in), 16:10 aspect ratio			1.02–10.16 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		5,000:1 (full on/full off, lamp power: Auto, Iris: ON)	2,000:1 (full on/full off, lamp power: Auto)		5,000:1 (full on/full off, lamp power: Auto, Iris: ON)	2,000:1 (full on/full off, lamp power: Auto)
Resolution		1,920 × 1,200 pixels (Input signals that exceed this resolution will be converted to 1,920 × 1,200 pixels)	1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels)		1,024 × 768 pixels (Input signals that exceed this resolution will be converted to 1,024 × 768 pixels)	
Scanning frequency	DVI-D/HDMI/DisplayPort/ DIGITAL LINK	Dot clock: 25 MHz–162 MHz (VGA: 640 x 480 pixels to WUXGA: 1,920 x 1,200 pixels, VESA CVT-RB compliant, compatible with HDCP) DisplayPort and DIGITAL LINK not included on PT-EW540/L and PT-EX510/L.				
	RGB (analog)	fH: 15 kHz–91 kHz, fV: 24 Hz–120 Hz, dot clock: up to 162 MHz				
	YPBPR (YCBCR)	fH: 15.75 kHz, fV: 60 Hz [480i (525i)] fH: 31.50 kHz, fV: 60 Hz [480p (525p)] fH: 15.63 kHz, fV: 50 Hz [576i (625i)] fH: 31.25 kHz, fV: 50 Hz [576p (625p)] fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p]	fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p] fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i] fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i] fH: 28.13 kHz, fV: 25 Hz [1080 (1125)/25p] fH: 27.00 kHz, fV: 24 Hz [1080 (1125)/24p]		fH: 27.00 kHz, fV: 48 Hz [1080 (1125)/24sF] fH: 33.75 kHz, fV: 30 Hz [1080 (1125)/30p] fH: 67.50 kHz, fV: 60 Hz [1080 (1125)/60p] fH: 56.25 kHz, fV: 50 Hz [1080 (1125)/50p]	
	Video/YC	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz [PAL/SECAM/PAL-N]				
Optical axis shift		Vertical ±60 %, horizontal ±10 % from center of screen (powered)*4				
Keystone correction range		Vertical: ±40°*5, horizontal: ±30°*6				
Installation		Ceiling/floor, front/rear				
Built-in speaker		3.7 cm round shape × 1, output power: 10.0 W (monaural)				
Terminals		DVI-D IN: DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)				
		HDMI IN: HDMI 19-pin × 1 (Deep Color, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)				
		DisplayPort IN: DisplayPort 20-pin x 1 (DisplayPort 1.1, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	—		DisplayPort IN: DisplayPort 20-pin x 1 (DisplayPort 1.1, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	—
		RGB 1 IN: D-sub HD 15-pin (female) x 1				
		RGB 2 IN: BNC × 5 (RGB/Y・PB (CB)・PR (CR) × 1), shared with VIDEO IN (S-video/composite video)				
		VIDEO IN: Pin jack x 1				
		MONITOR OUT: D-sub 15-pin (female) x 1 (not compatible with all inputs)				
		AUDIO IN: Pin jack (L/R) x 1, M3 x 2				
		AUDIO OUT: M3 x 1 (variable)				
		SERIAL IN: D-sub 9-pin (female) x 1 for external control				
		REMOTE IN: M3 × 1 for wired remote control				
		REMOTE IN 2: D-sub 9-pin (female) x 1 for external control				
		LAN: RJ-45 × 1 for network connection, DIGITAL LINK, 100Base-TX, compatible with PJLink™ DIGITAL LINK not included on PT-EW540/L and PT-EX510/L.				
Operating noise*3		35 dB (lamp power: Normal), 29 dB (lamp power: ECO)				
Filter		× 1, replacement cycle: up to 17,000 hours*8				
Mechanical shutter		Yes	— (AV mute)		Yes	— (AV mute)
Cabinet materials		Molded plastic (PC + ABS)				
Dimensions (W × H × D)		PT-EZ580/EW640/EW540/EX610/EX510: 530 × 177*9 × 445 mm (20-7/8 × 6-31/32*9 × 17-1/2 in) (with supplied lens) PT-EZ580L/EW640L/EW540L/EX610L/EX510L: 530 × 177*9 × 385 mm (20-7/8 × 6-31/32*9 × 15-5/32 in) (without lens)				
Weight*7		Approximately 10.6 kg (23.4 lbs) (with supplied lens), approximately 9.8 kg (21.6 lbs) (without lens)				
Operating environment		Operating temperature: 0 °C–45 °C (32 °F–113 °F)*10, operating humidity: 10 %–80 % (no condensation)				
Supplied accessories		Power cord with power cord holder, wireless/wired remote control unit × 1, batteries (R03/LR03/AAA type × 2), Software CD-ROM × 1 (Logo Transfer Software, Multi Projector Monitoring and Control Software)				

*1 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. *2 The values above are maximum values when they are used in cycles of being turned on for 2 hours and off for 0.25 hours. When the lamps are turned on and off more frequently, the lamp replacement cycle is shortened. The usage environment affects the lamp replacement cycle. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *4 The axis shift function cannot be used with the ET-ELW21. *5 With vertical correction only. *6 With horizontal correction only. *7 Average value. May differ depending on the actual unit. *8 The usage environment affects the duration of the filter. *9 With legs at shortest position. *10 The operating temperature range is 0 °C to 40 °C (32 °F to 104 °F) when used at altitudes between 1,400 m and 2,700 m (4,593 ft to 8,858 ft) above sea level. When operating temperature exceeds 40 °C (35 °C at high altitude), lamp power may automatically switch to ECO in order to protect the projector.
Models with an "L" designation are sold without a lens.

Optional accessories

■ Zoom lens
ET-ELW20 / ET-ELT20 / ET-ELT21

■ Fixed-focus lens
ET-ELW21

■ Digital Interface Box
ET-YFB100G
Brackets included for various installation needs, including server rack [EIA standards] mounting.

■ High-ceiling mount bracket
ET-PKE200H

■ Low-ceiling mount bracket
ET-PKE200S

■ Bracket assembly
ET-PKE200B

■ Replacement lamp unit
ET-LAE300

■ Replacement filter unit
ET-RFE300

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Projector Global Web Site – **panasonic.net/avc/projector**
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All information included here is valid as of January 2014.

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