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PRELIMINARY
As of January 2012

# PT-EZ570 Series
**LCD Projectors**

**Available from May 2012**

# Ecology-Conscious Projectors with High Brightness and Easy Maintenance

| PT-**EZ570/EZ570L** | PT-**EW630/EW630L** | PT-**EX600/EX600L** | PT-**EW530/EW530L** | PT-**EX500/EX500L** |
|---|---|---|---|---|
| 5,000 lm | 5,500 lm | 6,000 lm | 4,500 lm | 5,000 lm |
| WUXGA (1,920 × 1,200) | WXGA (1,280 × 800) | XGA (1,024 × 768) | WXGA (1,280 × 800) | XGA (1,024 × 768) |
| 5,000:1 contrast ratio | 5,000:1 contrast ratio | 5,000:1 contrast ratio | 2,000:1 contrast ratio | 2,000:1 contrast ratio |

The PT-EZ570L/EW630L/EX600L/EW530L/EX500L are sold without lenses. The specifications are the same as those of the PT-EZ570/EW630/EX600/EW530/EX500, respectively.

## Quality Images with Brightness

- Original lamp drive systems have helped to make the body compact, while providing a high 6,000 lm of brightness. (PT-EX600)
- Dynamic Iris achieves a superb contrast ratio of 5,000:1. (PT-EZ570/EW630/EX600)
- Full-HD-ready WUXGA resolution. (PT-EZ570)
- Daylight View Basic technology ensures easy-to-see, clear images even in brightly lit rooms.

## Ecology-Conscious Reliability

- Lamp replacement cycle of up to 4,000 hours.*[1]
- Dust-resistant cabinet with one-way air flow design.
- Highly durable optical engine with inorganic*[2] LCD panels and polarizers ensures long-term image quality, achieving a replacement cycle of up to 10,000 hours.
- A reusable “Eco Filter” that needs no replacement for up to 12,000 hours*[3] to protect optical components from dust.
- Intelligent Lamp Control system automatically adjusts the lamp output in accordance with the brightness of the projected image, effectively reducing power consumption.
- Eco Management function included to reduce power consumption.
- Environment-friendly, low standby power consumption of 0.5 W (STANDBY MODE: ECO).*[4]
- Quiet, 31 dB*[5] operating noise does not interrupt classes or meetings.

## System Integration Flexibility and Easy Maintenance

- Flexible vertical 360 degree installation, lens-centered design, powered horizontal/vertical-lens shift, powered zoom/focus and a wide range of optional lenses.
- Corner Keystone corrects trapezoidal distortion. Simply designate the four corners with the remote control or projector to square the image.*[6]
- Side-by-Side and P-in-P functions. (PT-EZ570/EW630/EW530)
- Abundant terminals including HDMI and DVI-D inputs.
- Built-in 10 W speaker.
- Web browser control over a wired LAN.
- Multi Projector Monitoring & Control Software allows multiple projectors to be managed together over a wired LAN.
- PJLink™ compatibility.
- Compatible with Creston RoomView™.
- The filter and lamp are easily replaced from the side and top even after the projector is installed on the ceiling.
- Direct Power Off allows the room’s main power to be turned off immediately after use.
- Mechanical shutter.*[6]
- Closed caption decoder built-in for the US market.

## Specifications (Tentative)

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| Model | PT-**EZ570/EZ570L** | PT-**EW630/EW630L** | PT-**EX600/EX600L** | PT-**EW530/EW530L** | PT-**EX500/EX500L** |
|---|---|---|---|---|---|
| Power supply | 100–240 V AC, 50/60 Hz | | | | |
| Power consumption | 519 W (0.5 W with STANDBY MODE set to ECO;*7 12 W with STANDBY MODE set to NETWORK.) | 490 W (0.5 W with STANDBY MODE set to ECO;*7 12 W with STANDBY MODE set to NETWORK.) | | 423 W (0.5 W with STANDBY MODE set to ECO;*7 12 W with STANDBY MODE set to NETWORK.) | |
| LCD panel — Panel size | 19.2 mm (0.76″) diagonal (16:10 aspect ratio) | 19.0 mm (0.75″) diagonal (16:10 aspect ratio) | 20.0 mm (0.80″) diagonal (4:3 aspect ratio) | 19.0 mm (0.75″) diagonal (16:10 aspect ratio) | 20.0 mm (0.80″) diagonal (4:3 aspect ratio) |
| LCD panel — Display method | Transparent LCD panel (× 3, R/G/B) | Transparent LCD panel (× 3, R/G/B) | Transparent LCD panel (× 3, R/G/B) | Transparent LCD panel (× 3, R/G/B) | Transparent LCD panel (× 3, R/G/B) |
| LCD panel — Drive method | Active matrix | Active matrix | Active matrix | Active matrix | Active matrix |
| LCD panel — 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 | 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-EZ570/EW630/EX600/EW530/EX500: powered zoom (1.7–2.8:1), powered focus F 1.7–2.3, f 26.9–45.4 mm, PT-EZ570L/EW630L/EX600L/EW530L/EX500L: optional powered zoom/focus and fixed-focus lens | | | | |
| Lamp | 330 W UHM lamp × 1 | | | | |
| Lamp replacement cycle | 3,000 hours*8 (LAMP POWER: NORMAL), 4,000 hours*8 (LAMP POWER: ECO) | | | | |
| Screen size (diagonal) | 1.02–10.16 m (40–400 in), 16:10 aspect ratio for the PT-EZ570/EW630/EW530, 4:3 aspect ration for the PT-EX600/EX500 | | | | |
| Brightness*9 | 5,000 lm*10 | 5,500 lm*10 | 6,000 lm*10 | 4,500 lm*10 | 5,000 lm*10 |
| Center-to-corner uniformity*9 | 90% | | | | |
| Contrast*9 | 5,000:1*11 | | | 2,000:1*11 | |
| 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.) | 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 | fH: 26–80 kHz, fV: 23–85 Hz, dot clock: 162 MHz or lower | | | | |
| Scanning frequency — HDMI | fH: 26–80 kHz, fV: 23–85 Hz, dot clock: 162 MHz or lower | | | | |
| Scanning frequency — RGB (analog) | fH: 15–120 kHz, fV: 48–100 Hz, dot clock: 230 MHz or lower (Signals exceeding the dot clock rate of 163MHz are downsampled.) | | | | |
| Scanning frequency — YPBPR (YCBCR) | fH: 15.75 kHz, fV: 60 Hz [480i (525i)]; fH: 33.75 kHz, fV: 60 Hz [1035/60i]; fH: 27.00 kHz, fV: 48 Hz [1080/24sF]<br>fH: 31.50 kHz, fV: 60 Hz [480p (525p)]; fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i]; fH: 33.75 kHz, fV: 30 Hz [1080/30p]<br>fH: 15.63 kHz, fV: 50 Hz [576i (625i)]; fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i]; fH: 33.75 kHz, fV: 60 Hz [1080/30sF]<br>fH: 31.25 kHz, fV: 50 Hz [576p (625p)]; fH: 28.13 kHz, fV: 25 Hz [1080/25p]; fH: 67.50 kHz, fV: 60 Hz [1080/60p]<br>fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p]; fH: 28.13 kHz, fV: 50 Hz [1080/25sF]; fH: 56.25 kHz, fV: 50 Hz [1080/50p]<br>fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p]; fH: 27.00 kHz, fV: 24 Hz [1080/24p] | | | | |
| Scanning frequency — Video/S-Video | fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM] | | | | |
| Keystone correction range | Horizontal: ±30°,*12 vertical: ±30°*12 | Horizontal: ±30°,*12 vertical: ±40°*12 | | Vertical: ±40° *12 | |
| Installation | Ceiling/floor, front/rear | | | | |
| Terminals — INPUT 1 DVI-D | DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) | | | | |
| Terminals — INPUT 1 HDMI | HDMI 19-pin × 1 (Deep Color, compatible with HDCP) | | | | |
| Terminals — INPUT 1 RGB | D-Sub HD 15-pin (female) × 1 | | | | |
| Terminals — INPUT 2 RGB 5BNC/VIDEO | BNC × 5 (RGB/YPBPR/YCBCR × 1), shared with VIDEO IN (BNC × 1, composite video) | | | | |
| Terminals — INPUT 3 VIDEO | RCA × 3 (YPBPR/YCBCR/composite video × 1) | | | | |
| Terminals — INPUT 3 S-VIDEO | Mini DIN 4-pin × 1 (S-Video) | | | | |
| Terminals — MONITOR OUT | D-Sub HD 15-pin (female) × 1 (Cannot be used for some inputs) | | | | |
| Terminals — AUDIO IN | RCA (L, R) × 1, M3 (L, R) × 2 | | | | |
| Terminals — AUDIO OUT | M3 (L, R) × 1 (variable) | | | | |
| Terminals — SERIAL IN | D-sub 9-pin (female) × 1 for external control (RS-232C compliant) | | | | |
| Terminals — REMOTE IN | M3 × 1 for wired remote control | | | | |
| Terminals — LAN | RJ-45 × 1 (for network connection, 10Base-T/100Base-TX, compliant with PJLink™) | | | | |
| Operating noise*13 | 35 dB (LAMP POWER: NORMAL), 31 dB (LAMP POWER: ECO 1/2) | | | | |
| Filter | × 1, recommended replacement cycle: 12,000 hours*14 | | | | |
| Mechanical shutter | Yes | | | – | |
| Cabinet materials | Molded plastic (PC + ABS) | | | | |
| Dimensions (W × H × D) | 489.5 × 164*15 × 434.8 mm (19-9/32 × 6-15/32*15 × 17-1/8 in) (with supplied lens)<br>489.5 × 164*15 × 371.1 mm (19-9/32 × 6-15/32*15 × 14-5/8 in) (without lens) | | | | |
| Weight*13 | Approximately 10.5 kg (23.1 lbs) (with supplied lens), approximately 9.7 kg (21.4 lbs) (without lens) | | | | |
| Operating environment | Operating temperature: 0 °C–40 °C (32 °F–104 °F)*16, operating humidity: 20%–80% (no condensation) | | | | |
| Supplied accessories | Power cord, power cord holder/power cord cover, wireless/wired remote control unit, batteries (R03/LR03/AAA type × 2), RGB cable, Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software) | | | | |

## Optional accessories

Zoom lens
**ET-ELW20**
**ET-ELT20**
**ET-ELT21**

Fixed-focus lens
**ET-ELW21**

Bracket assembly
**ET-PKE200B**

Ceiling mount bracket
**ET-PKE200H** (for high ceilings)
**ET-PKE200S** (for low ceilings)

Replacement lamp unit
**ET-LAE200**

Replacement filter unit
**ET-RFE200**

***1** With the LAMP POWER set to ECO. Up to 3,000 hours with the LAMP POWER set to NORMAL. The usage environment affects the lamp replacement cycle. ***2** Excluding some polarizers. ***3** The usage environment affects the duration of the filter. ***4** When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal. ***5** With the LAMP POWER set to ECO. ***6** Not featured on the PT-EW530 and PT-EX500. ***7** When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal. ***8** The usage environment affects the lamp replacement cycle. ***9** Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. ***10** With the LAMP POWER set to AUTO, PICTURE MODE set to DYNAMIC, and the supplied lens mounted on the unit. ***11** Full on /off. With the LAMP POWER set to AUTO, Iris ON, PICTURE MODE set to DYNAMIC. ***12** With the supplied lens. Value differs when the correction for both directions is operated. ***13** Average value. May differ depending on models. ***14** The usage environment affects the duration of the filter. ***15** With legs at shortest position. ***16** The operating temperature range is 0°C to 30°C (32°F to 86°F) when the fan control is set to ON 1 for altitudes from 1,000 m to 2,000 m (3,281 ft to 6,562 ft) above sea level, 0°C to 30°C (32°F to 86°F) when the fan control is set to ON 2 for altitudes from 2,000 m to 2,700 m (6,562 ft to 8,858 ft) above sea level.

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**All information included here is valid as of January 2012.**

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