High Brightness, Image Quality and Reliability

Panasonic
ideas for life

PT-EZ570 Series
LCD Projectors

Bright, Ecological Projectors with Excellent System Flexibility
High Brightness, Image Quality and Reliability From Educational to Business Applications

The PT-EZ570 Series projectors provide high brightness and superb contrast in spite of their compact body. The unique Daylight View Basic function allows them to project crisp, high-resolution images without having to dim the room light. From classrooms in elementary and high schools to university lecture rooms, engineering, or art classes, and company meeting rooms, these advanced projectors produce bright, easy-to-see images for all kinds of applications. They also feature an ecological design that lowers power consumption, flexibility in installation, and easy maintenance.

**Quality Images with High Brightness**

The Daylight View Basic Function Ensures Clear Images Even in Brightly Lit Rooms

Panasonic’s Daylight View Basic technology achieves sharp, easy-to-see images by clearly reproducing the details in dark image areas, which were previously difficult to see in brightly lit rooms. A built-in sensor measures the ambient light, and the Daylight View Basic function adjusts the halftone color and brightness level according to the surrounding illumination.

**Ecology-Conscious Reliability**

A Dust-Resistant Cabinet Design and an Eco Filter that Needs No Replacement for 12,000 Hours

The cabinet is designed with a straight airflow path, from intake to exhaust. The shielding of the lens section, where dust is likely to enter, has been further improved to keep dust out. And the sealing performance of the air filter unit and air intake duct has been increased to prevent the entry of dust from the filter path, resulting in a highly dust-resistant structure. The Eco Filter unit, which efficiently captures dust in the intake airflow path, requires no replacement for 12,000 hours. And the large, pleated Micro Cut Filter (electrostatic in the intake airflow path, requires no replacement for 12,000 hours). When the Standby mode is set to Eco, the standby power consumption is at a low of 0.4 W. This lowers running costs, and helps to reduce environmental impact.

Intelligent Lamp Control System Reduces Power Consumption

When the lamp power is set to Auto, the intelligent lamp control system automatically adjusts the lamp output in accordance with the brightness of the projected image and reduces it by up to 75%. It also combines with color shift correction, which corrects the shift in the color balance that occurs when the lamp output drops. As a result, power consumption is effectively reduced while excellent color reproduction is maintained.

**Inorganic Materials Maintain Image Quality Longer**

The PT-EZ570 Series projectors’ optical block maintains a high level of performance over time, due to the use of inorganic materials in the LCD panels and polarizers, thus achieving a replacement cycle of 10,000 hours. It also makes them the logical choice for a truly dependable LCD projector system.

Lamp Replacement Cycle of up to 4,000 Hours

The PT-EZ570 Series projectors feature a lamp replacement cycle of up to 4,000 hours. This helps to lower operating costs by providing longer usage between lamp replacements.

Eco Management Functions

A number of functions are provided to reduce power consumption. They adjust the brightness according to ambient light conditions, and reduce the lamp power when there is no signal input or the projector is in AviMute mode*. You can easily set the Eco Management functions according to operating conditions by using the ECO button on the remote control.

* PT-EZ570U/PT-EZ570L/PT-EW630U/PT-EW630L/PT-EX600U/PT-EX600L/PT-EW530U/PT-EW530L/PT-EX500U/PT-EX500L

When the Standby mode is set to Eco, the standby power consumption is at a low of 0.4 W. This lowers running costs, and helps to reduce environmental impact.
Built-in 10-W Speaker

The PT-EZ570 Series projectors feature a high-output 10-watt monaural speaker that produces a large sound volume without requiring external speakers.

**Quiet 31-dB Design Does Not Interrupt Meetings or Classes**

The quiet design keeps noise levels down to 31-dB, so the sound of the cooling fan is hardly audible. This helps the audience to keep their attention on the speech when someone is giving a presentation or on the screen during quiet scenes.

**Side-by-Side and P-in-P Function**

These two different image sources can be simultaneously displayed on a single screen. You can also switch to P-in-P (Picture-in-Picture) mode and display a sub-window onto the main screen. The sub-window can be positioned at any of the four corners: upper left, upper right, lower left, lower right, to expand the usable area as only a wide-screen projector can do.

**Effective Theft Prevention with the Startup Logo**

You can change the default Panasonic start up logo to your desired logo. A new logo can be easily uploaded by connecting a computer to the PT-EZ570 Series through the LAN or serial connection by using the Logo Transfer Software.

**Easy Lamp and Air Filter Replacement**

For easy maintenance, you can replace the filter from the side and the lamp from the top of the projector. This way, the lamp and filter can be easily replaced even after the projector is installed on the ceiling.

**Mechanical Lens Shutter**

The mechanical lens shutter completely blocks annoying light leakage when the projector is on standby or temporarily not in use, such as during a meeting.

**Direct Power Off**

The cooling fan continues to operate even when the main power switch is turned off after projector is finished. This also allows the power to be turned off by directly switching off the room's main breaker for systems, such as ceiling mounted systems, where the main power switch cannot be reached.

Other Valuable Features

- **Closed caption decoder built-in for the US market. [NTSC only]**

**Ecology Conscious Design**

- **This unit employs flame retardant materials in the cabinet.**
- **Lead-free glass is used for the lens.**
- **Lamp power supply unit and other reduces power consumption.**
- **ECO button on the remote control.**
- **Standby power consumption of only 0.5 W has been achieved with compliant.**

**System Integration Flexibility and Easy Maintenance**

**Flexible Installation**

The wide adjustment range of the powered horizontal/vertical lens shift function assures convenience and versatibility during installation. It lets you easily make adjustments with the remote control. The unit can also be rotated 360 degrees vertically. This means you can install it at any angle you want, to accommodate different installation conditions.

**Lens-Centered Design**

A lens-centered, symmetrical design provides ease of installation, eliminating the need for special considerations when planning the installation site. The lenses attach and detach with ease.

**A Wide Selection of Optional Lenses**

Choose from a wide lineup of lenses for your system, including short-throw, long-throw zoom and fixed-throw lenses for rear projection use. The additional lenses make it easy to adapt your projector to the installation site. The lenses attach and detach with ease.

**Corner Keystone Correction**

This enables you to position the image from the side of the projector. The image can be corrected up to ±30° with one touch ease.

**Web Browser Control/Monitoring and E-mail Message Alert**

Panasonic's original freeware, “Multi Projector Monitoring & Control Software”, allows the user to control multiple projectors at the same time via LAN. Projectors can be scheduled to turn on and off at a certain hour everyday. When a problem occurs, an alarm message is sent to the monitoring/controlling PC.

**PJLink Compatibility**

The PJLink protocol provides a connection to the network to use Crestron RoomView™ application software to manage and control system devices.

**Abundant Terminals Including HDMI and DVI-D Inputs**

Extensive interfaces include HDMI and DVI-D input terminals, two sets of computer (RGB) input terminals, and a serial (RS-232C) terminal for external control. It is also possible to output audio during standby mode. This is convenient when connecting an external audio system through the projector.

**ET-ELW20 Series**

- **ET-ELT20, ET-ELT21, ET-ELW21**

**PT-EW630/L, PT-EW530**

- **16:10 aspect ratio**

**PT-EZ570/L, PT-EX600/L**

- **16:9 aspect ratio**

**PT-EW530/L, PT-EW530**

- **16:10 aspect ratio**

**Projection distance**

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**Specifications**

**Model**
- PT-EZ570/EZ570L*
- PT-EW630/EW630L*
- PT-EX400/EX400L*
- PT-EW350/EW350L*
- PT-EX500/EX500L*

**Power supply**
100–240 V AC, 50/60 Hz

**Power consumption**
68 W [at STANDBY MODE set to ECO*1, 11 W at STANDBY MODE set to NETWORK*1]

**LCD panel**
- **Panel size**
  - 19.2 mm (0.75") diagonal (16:10 aspect ratio)
  - 19.8 mm (0.79") diagonal (16:10 aspect ratio)
  - 20.0 mm (0.80") diagonal (4:3 aspect ratio)
  - 19.8 mm (0.79") diagonal (16:10 aspect ratio)

**Display method**
- Transparent LCD panel x 3, 10/8/6

**Drive method**
- Active matrix

**Lamp**
- 230 W UH lamp x 1

**Lamp replacement cycle**
- 2,000 hours [3 LAMP POWER: NORMAL], 4,000 hours [3 LAMP POWER: ECO (1/2)]

**Screen size (diagonal)**
- 1.92–1.6 m (640–430 in), 16:10 aspect ratio

**Brightness**
- 5,000 lm [Lamp Power: Auto/Normal], 6,000 lm [Lamp Power: Auto/Normal], 7,500 lm [Lamp Power: Auto/Normal]

**Center-to-corner uniformity**
- 99.6%

**Contrast**
- 3,800:1 (full on/full off, lamp power: Auto), 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 1,280 × 800 pixels.)

**Scanning frequency**
- HDMI/DVI: fs: 24–60 kHz, fy: 23–85 Hz, dot clock: 162 MHz or lower
- RGB (analog): fs: 15–120 kHz, fy: 48–100 Hz, dot clock: 230 MHz or lower

**YPbPr (YCbCr)**
- fs: 15.75 kHz, fy: 60 Hz [480i (525i)], 15.63 kHz, fy: 50 Hz [525i (625i)]
- fs: 33.75 kHz, fy: 60 Hz [720p (750p)], 33.75 kHz, fy: 50 Hz [576p (625i)]
- fs: 25.8 kHz, fy: 60 Hz [PAL-M], 25.0 kHz, fy: 50 Hz [SECAM]
- fs: 30.0 kHz, fy: 60 Hz [H.264/MPEG-2avi]

**Videos-S-Video**
- 5.75 MHz, fy: 48 Hz [NTSC, PAL, M-JPEG], 6.35 MHz, fy: 50 Hz [PAL/SECAM, M-JPEG]

**Optical axis shift**
- Vertical ±60 %, horizontal ±10 % from center of screen (powered)*5

**Keystone correction range**
- Vertical ±30%*6, horizontal: ±30°*7

**Installation**
- Ceiling/flush/flush, rear/flush

**Built-in speaker**
- 3.7 cm round shape x 1, output power: 10 W (mono channel)

**Terminals**

**INPUT 1**
- DVI-D INPUT Terminal: DVI-D: 24-pin x 1 (DVI 1.0, compliant with HDCP, compatible with single link only)
- HDMI INPUT Terminal: HDMI 19-pin x 1 (Deep Color, compatible with HDCP)
- RGB INPUT Terminal: D-Sub HD 15-pin (female) x 1

**INPUT 2**
- RGB/VIDEO INPUT Terminal: BNC × 5 [RGB/YPbPr/YCbCr x 1, shared with VIDEO IN (BNC x 1, composite video)]

**INPUT 3**
- COMPONENT/VIDEO INPUT Terminal: RCA x 3 [YPbPr/YCbCr x 1, shared with VIDEO IN (RCA x 1, composite video)]
- S-VIDEO INPUT Terminal: Mini DIN 4-pin x 1 (S-VIDEO)
- RGB OUT: D-Sub HD 15-pin (female) x 1
- AUDIO IN: RCA L (Ri), RCA R (L), RCA L (Ri) x 2
- AUDIO OUT: M (L, R) x 1 [variable]
- SERIAL IN: D-Sub 9-pin (female) x 1 for external control (RS-232C compliant)
- REMOTE IN: M x 1 for wired remote control
- LAN: RJ-45 x 1 for network connection, 10Base-T/100Base-TX, compliant with P.SLink*5

**Operating noise**
- 37 dB (LAMP POWER: NORMAL), 31 dB (LAMP POWER: ECO ECO 2)

**Filter**
- x 1, recommended replacement cycle: 12,000 hours*10

**Mechanical shock**
- Yes

**Cabinet materials**
- Molded plastic [PC + ABS]

**Dimensions (W × H × D)**
- PT-EZ570/EW630/EX400/EW530/EW500*: 489.5 × 190 × 350 mm (19.3 × 7.5 × 13.8 in)
- PT-EW350/EX400/EW530L/EW500L*: 489.5 × 190 × 345 mm (19.3 × 7.5 × 13.7 in)

**Weight**
- Approximately 13.9 kg (22.7 lbs) [with supplied lens], Approximately 11.6 kg (25.9 lbs) [without lens]
- Approximately 12.6 kg (27.8 lbs) [with supplied lens], Approximately 10.4 kg (22.9 lbs) [without lens]

**Operating environment**
- Operating temperature: 0 °C to 40 °C (32 °F to 104 °F), operating humidity: 20 %–80 % (no condensation)

**Supplied accessories**
- Power cord +1 x 2 (EZ570/EZ570L, EW630/EW630L, EW350/EW350L, EW500/EW500L and EW500L), projector control box +1, wall-mounted remote control unit +1, batteries (R03/LR03/AAA type x 2), computer cable +1, Software CD-ROM +1 [Eago Transfer Software, Multi Projector Monitoring and Control Software]

*1 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.*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 The usage environment affects the lamp replacement cycle.*4 Measurement, measurement conditions, and method of reotation all comply with ISO 21118 International standards.*5 The axis shift function cannot be used with the ET-ELW2.*6 Vertical correction only.*7 Horizontal correction only.*8 Menu selectable.*9 Average value. May differ depending on the actual unit.*10 The usage environment affects the duration of the filter.*11 With logo at shortest position.*12 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 0 m to 2,000 m (0 ft to 6,602 ft) above sea level, 0 °C to 20 °C (32 °F to 68 °F) above sea level. The general guideline is as follows. The product numbers in the Americas and Taiwan are PT-EZ570U/PT-EZ570UL*, PT-EW630U/PT-EW630UL, PT-EX400U/PT-EX400UL, PT-EW350U/PT-EW350UL and PT-EX500U/PT-EX500UL. The product numbers in Europe, CIS, Asia (except Taiwan), Oceania, Middle East, and Africa are PT-EZ570E2/PT-EZ570EL, PT-EW630E2/PT-EW630EL, PT-EX400E2/PT-EX400EL, PT-EW530E2/PT-EW530EL and PT-EX500E2/PT-EX500EL.