Flexibility and Performance to Meet Your Needs
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.

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.

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.
PT-EZ590 Series

**High Picture Quality**

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

With up to 6,200 lm 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** with Iris

High dynamic contrast of 10,000:1 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 Resolution for Lush Detail**

With up to WUXGA (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.

**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*.

**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.
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)*. 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 HDBaseT™-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.

System configuration example

Flexible Layout with 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.

DIGITAL LINK Switcher ET-YFB200G

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.

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-EW650/EW650L and PT-EX520/EX520L feature an AV Mute function instead of a mechanical lens shutter.

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.

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.
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*. It also can be washed and reused*. These dust-resistant projectors are designed to maintain brightness for longer in high-traffic environments while reducing servicing costs.

Extended Lamp Replacement Cycle

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

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**, 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***
- 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 Y/CsCn)
- Schedule Function

*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. *** 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.
PT-EZ950 / PT-EZ95L / PT-EW650 / PT-EW650L / PT-EW550 / PT-EW550L

**Projection Distance**

<table>
<thead>
<tr>
<th>Distance (L)*</th>
<th>ET-ELW31</th>
<th>ET-ELW30</th>
<th>ET-ELT30</th>
<th>ET-ELT31</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>0.61</td>
<td>0.76</td>
<td>1.50</td>
<td>1.98</td>
</tr>
<tr>
<td>Max.</td>
<td>2.12</td>
<td>2.54</td>
<td>5.97</td>
<td>7.63</td>
</tr>
<tr>
<td>Standard lens</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>0.83</td>
<td>1.06</td>
<td>1.91</td>
<td>2.47</td>
</tr>
<tr>
<td>Max.</td>
<td>2.60</td>
<td>3.18</td>
<td>8.17</td>
<td>10.40</td>
</tr>
<tr>
<td>Zoom lens</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>1.04</td>
<td>1.35</td>
<td>2.62</td>
<td>3.51</td>
</tr>
<tr>
<td>Max.</td>
<td>3.24</td>
<td>4.11</td>
<td>9.76</td>
<td>13.15</td>
</tr>
</tbody>
</table>

*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**

- **Upper edge of projected image:** H = L
- **Projected image:** W = L
- **Lower edge of projected image:** W = L

**Optional Accessories**

- **Zoom Lens:** ET-ELW31, ET-ELW30, ET-ELT30, ET-ELT31
- **Ceiling Mount Bracket:** ET-PKD120H
- **Digital Interface Box:** ET-YFB200G
- **Wireless Module:** ET-WML100
- **Replacement Filter Unit:** ET-RFE300
- **Conversion Cable:** ET-ADSV
- **Early Warning Software:** ET-SWA100 series

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**PT-EX620 / EX620L, PT-EX520 / EX520L**

**Ceiling Mount Bracket (High Ceiling):** ET-PKD120S

**Ceiling Mount Bracket (Low Ceiling):** ET-PKD120S

**Digital Interface Box:** ET-YFB100G

**Dimenssions**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>mm (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>498 (19.5&quot;)</td>
</tr>
<tr>
<td>W</td>
<td>358 (14.1&quot;)</td>
</tr>
<tr>
<td>H</td>
<td>393.3 (15.5&quot;)</td>
</tr>
</tbody>
</table>

**Replacement Lamp Unit:** ET-LAEF100

**D-sub/S-VIDEO Connector:** ET-ADSV

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**Projection Distance**

<table>
<thead>
<tr>
<th>Distance (L)*</th>
<th>ET-ELW31</th>
<th>ET-ELW30</th>
<th>ET-ELT30</th>
<th>ET-ELT31</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>0.62</td>
<td>0.79</td>
<td>1.50</td>
<td>1.97</td>
</tr>
<tr>
<td>Max.</td>
<td>2.07</td>
<td>2.62</td>
<td>5.97</td>
<td>7.63</td>
</tr>
<tr>
<td>Standard lens</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>0.83</td>
<td>1.06</td>
<td>1.91</td>
<td>2.47</td>
</tr>
<tr>
<td>Max.</td>
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<td>8.17</td>
<td>10.40</td>
</tr>
<tr>
<td>Zoom lens</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min.</td>
<td>1.04</td>
<td>1.35</td>
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<td>3.51</td>
</tr>
<tr>
<td>Max.</td>
<td>3.24</td>
<td>4.11</td>
<td>9.76</td>
<td>13.15</td>
</tr>
</tbody>
</table>

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**Early Warning Software:** ET-SWA100 series
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>PT-EZ590L</th>
<th>PT-EW650L</th>
<th>PT-EW550L</th>
<th>PT-EX620L</th>
<th>PT-EX520L</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power supply</strong></td>
<td>100–240V AC, 90–140V AC</td>
<td>100–240V AC, 90–140V AC</td>
<td>100–240V AC, 90–140V AC</td>
<td>100–240V AC, 90–140V AC</td>
<td>100–240V AC, 90–140V AC</td>
</tr>
<tr>
<td><strong>Lid panel</strong></td>
<td>16.1 mm (0.64&quot;) (diagonal 16:10 aspect ratio)</td>
<td>16.1 mm (0.64&quot;) (diagonal 16:10 aspect ratio)</td>
<td>16.1 mm (0.64&quot;) (diagonal 16:10 aspect ratio)</td>
<td>16.1 mm (0.64&quot;) (diagonal 16:10 aspect ratio)</td>
<td>16.1 mm (0.64&quot;) (diagonal 16:10 aspect ratio)</td>
</tr>
<tr>
<td><strong>Display method</strong></td>
<td>LCD / 3LCD</td>
<td>LCD / 3LCD</td>
<td>LCD / 3LCD</td>
<td>LCD / 3LCD</td>
<td>LCD / 3LCD</td>
</tr>
<tr>
<td><strong>Panel type</strong></td>
<td>Active matrix</td>
<td>Active matrix</td>
<td>Active matrix</td>
<td>Active matrix</td>
<td>Active matrix</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Brightness</strong></td>
<td>3,500 lm (Lamp Power: Eco), 4,000 lm (Lamp Power: Normal)</td>
<td>4,000 lm (Lamp Power: Eco), 4,500 lm (Lamp Power: Normal)</td>
<td>4,600 lm (Lamp Power: Eco), 5,000 lm (Lamp Power: Normal)</td>
<td>4,600 lm (Lamp Power: Eco), 5,100 lm (Lamp Power: Normal)</td>
<td>4,600 lm (Lamp Power: Eco), 5,200 lm (Lamp Power: Normal)</td>
</tr>
<tr>
<td><strong>Contrast ratio</strong></td>
<td>10,000:1</td>
<td>10,000:1</td>
<td>10,000:1</td>
<td>10,000:1</td>
<td>10,000:1</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>7.7 kg (17 lbs) (without lens)</td>
<td>8.5 kg (18.7 lbs) (with supplied lens)</td>
<td>8.5 kg (18.7 lbs) (with supplied lens)</td>
<td>8.5 kg (18.7 lbs) (with supplied lens)</td>
<td>8.5 kg (18.7 lbs) (with supplied lens)</td>
</tr>
<tr>
<td><strong>Dimensions (W × H × D)</strong></td>
<td>498 x 145*7 x 358 mm (19 19/32˝ x 5 23/32˝*7 x 14 3/32˝ ) (without lens)</td>
<td>522 x 145*7 x 385 mm (20 1/2˝ x 5 23/32˝*7 x 15 1/8˝ ) (without lens)</td>
<td>522 x 145*7 x 385 mm (20 1/2˝ x 5 23/32˝*7 x 15 1/8˝ ) (without lens)</td>
<td>522 x 145*7 x 385 mm (20 1/2˝ x 5 23/32˝*7 x 15 1/8˝ ) (without lens)</td>
<td>522 x 145*7 x 385 mm (20 1/2˝ x 5 23/32˝*7 x 15 1/8˝ ) (without lens)</td>
</tr>
<tr>
<td><strong>Lamp replacement cycle</strong></td>
<td>5,000 hours<em>2 (Lamp Power: Normal), 6,000 hours</em>2 (Lamp Power: Eco)</td>
<td>5,000 hours<em>2 (Lamp Power: Normal), 6,000 hours</em>2 (Lamp Power: Eco)</td>
<td>5,000 hours<em>2 (Lamp Power: Normal), 6,000 hours</em>2 (Lamp Power: Eco)</td>
<td>5,000 hours<em>2 (Lamp Power: Normal), 6,000 hours</em>2 (Lamp Power: Eco)</td>
<td>5,000 hours<em>2 (Lamp Power: Normal), 6,000 hours</em>2 (Lamp Power: Eco)</td>
</tr>
<tr>
<td><strong>Noise level</strong></td>
<td>32 W (Normal), 29 W (Eco)</td>
<td>32 W (Normal), 29 W (Eco)</td>
<td>32 W (Normal), 29 W (Eco)</td>
<td>32 W (Normal), 29 W (Eco)</td>
<td>32 W (Normal), 29 W (Eco)</td>
</tr>
<tr>
<td>** Keystone correction range**</td>
<td>±60 % (powered)</td>
<td>±50 % (powered)</td>
<td>±50 % (powered)</td>
<td>±50 % (powered)</td>
<td>±50 % (powered)</td>
</tr>
<tr>
<td><strong>Installation</strong></td>
<td>Ceiling, floor, front</td>
<td>Ceiling, floor, front</td>
<td>Ceiling, floor, front</td>
<td>Ceiling, floor, front</td>
<td>Ceiling, floor, front</td>
</tr>
</tbody>
</table>

#### Note

*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. (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 conversion for both directions is performed. (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 1,450 m (4,459 ft) above sea level. Operating temperature range is 0 °C to 40 °C (32 °F to 104 °F) when used at altitudes from 1,450 m to 2,200 m (4,459 ft to 6,561 ft) above sea level. Also, if ambient temperature exceeds 40 °C (104 °F) (35 °C [95 °F] at high altitude), lamp power automatically shifts to Eco in order to protect the projector. *10) Power cords available (2) for Europe, the UK and Asia only.

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**Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. The FULLHD trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. All other trademarks are the property of their respective trademark owners. Panasonic Corporation. All rights reserved.**

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**All information included here is as of April 2016.**

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