SOLID SHINE LCD Boosts Image Brightness While Reducing Your Workload, Delivering an Effortless Learning Experience

At up to 16,000 lm*1, color erupts in WUXGA. Radiant pictures are achieved with new 15.4 mm (1") LCD panels, Triple Laser Engine, 4K/60p signal input*2, and refined cooling system.

**Pure Color, High Brightness, and Long-Life Operation**

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**Unbeatable Reliability in the Real-World Conditions**

To quickly fix problems while maintaining image display, the projectors feature Panasonic's new Triple Laser Engine with failover circuity, a secondary backup signal input, and Information Monitor to show error information.

**Compact, Flexible, and Ready for a Stress-free Install**

Easy-to-handle compact body weighs under 22.3 kg*3 (49.2 lbs.), runs at just 38 dB*4, and suits seven optional zoom lenses for flexible installation. Setup is expedited with Geo Pro software*5.
Specifications (Tentative)

<table>
<thead>
<tr>
<th>Model</th>
<th>PT-MZ16KLU</th>
<th>PT-MZ13KLU</th>
<th>PT-MZ10KLU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projector type</td>
<td>LCD projectors</td>
<td>LCD projectors</td>
<td>LCD projectors</td>
</tr>
<tr>
<td>LCD panel</td>
<td>35.4 mm (1.4 in) diagonal (16:10 aspect ratio)</td>
<td>35.4 mm (1.4 in) diagonal (16:10 aspect ratio)</td>
<td>35.4 mm (1.4 in) diagonal (16:10 aspect ratio)</td>
</tr>
<tr>
<td>Display method</td>
<td>Transparent LCD panel (x 3, 3:1:1/3)</td>
<td>Active matrix method</td>
<td>Active matrix method</td>
</tr>
<tr>
<td>Drive method</td>
<td>Transparent LCD panel (x 3, 3:1:1/3)</td>
<td>Active matrix method</td>
<td>Active matrix method</td>
</tr>
<tr>
<td>Pixel</td>
<td>2,304,000 (1920 x 1200 pixels x 3)</td>
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</tr>
<tr>
<td>Light source</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
</tr>
<tr>
<td>Light output*1</td>
<td>16,000 lm</td>
<td>13,000 lm</td>
<td>10,000 lm</td>
</tr>
<tr>
<td>Time until light output declines to 50 %*2</td>
<td>30,000 hours (NORMAL)/24,000 hours (ECO)</td>
<td>24,000 hours (ECO)</td>
<td>24,000 hours (ECO)</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 x 1200 pixels</td>
<td>1920 x 1200 pixels</td>
<td>1920 x 1200 pixels</td>
</tr>
<tr>
<td>Contrast ratio*3</td>
<td>3,000,000:1 (Full On/Full Off)</td>
<td>3,000,000:1 (Full On/Full Off)</td>
<td>3,000,000:1 (Full On/Full Off)</td>
</tr>
<tr>
<td>Screen size (diagonal)</td>
<td>1.78-25.4 m (70-1,000 in)</td>
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</tr>
<tr>
<td>Center-to-corner zone ratio*4</td>
<td>90 %</td>
<td>90 %</td>
<td>90 %</td>
</tr>
<tr>
<td>Lens</td>
<td>Optional powered zoom lenses</td>
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</tr>
<tr>
<td>Lens shift</td>
<td>Vertical: ±40°, Horizontal: ±10°</td>
<td>Vertical: ±40°, Horizontal: ±10°</td>
<td>Vertical: ±40°, Horizontal: ±10°</td>
</tr>
<tr>
<td>Keystone correction range</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
</tr>
<tr>
<td>Keystone correction range with optional ET-UK20 Upgrade Kit</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
<td>Vertical: ±40°, Horizontal: ±40°</td>
</tr>
</tbody>
</table>

Installation

- Ceiling/floor, front/rear, free 360-degree installation

Terminals

- SDI IN
  - 3G/HD/SD-SDI (Input Type: SDI_IN)
  - SD/HD-SDI (Input Type: SDI_IN)
- HDMI IN
  - HDMI 1.4a (Input Type: HDMI_IN)
- DVI-D IN
  - DVI-D (Input Type: DVI-D_IN)
- RGB IN
  - RGB 15-pin (Input Type: RGB_IN)
- SERIAL IN
  - RS-232C (Input Type: SERIAL_IN)
- REMOTE 1 IN
  - Video: M3 x 1 (Input Type: REMOTE_1_IN)
- REMOTE 2 IN
  - Video: M3 x 1 (Input Type: REMOTE_2_IN)
- REMOTE 1 OUT
  - Video: M3 mini jack x 1 (Output Type: REMOTE_1_OUT)
- REMOTE 2 OUT
  - Video: M3 mini jack x 1 (Output Type: REMOTE_2_OUT)

- DIGITAL LINK/LAN
  - RJ-45 x 1 for network connection (Input Type: DIGITAL_LINK_IN)
  - RJ-45 x 1 for network and DIGITAL LINK connection (Output Type: DIGITAL_LINK_OUT)
- LAN
  - RJ-45 x 1 for network connection (Input Type: LAN_IN)
  - RJ-45 x 1 for network and DIGITAL LINK connection (Output Type: LAN_OUT)

- USB
  - USB Connector (Type A) x 1 (Output Type: USB)

Power supply

- AC: 100-240 V, 50/60 Hz

Power consumption

- 180 W (NORMAL)/150 W (ECO)/60 W (QUIET)
- 180 W (NORMAL)/150 W (ECO)/60 W (QUIET)
- 180 W (NORMAL)/150 W (ECO)/60 W (QUIET)

Cabinet materials

- Molded plastic

Filter

- Included (Maintenance time: approx. 20,000 hours)

Dimensions (W × H × D)

- 650 x 185 x 440 mm (25 19/32˝ x 7 9/32˝ x 17 5/16˝) (Without lens)
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- 650 x 185 x 440 mm (25 19/32˝ x 7 9/32˝ x 17 5/16˝) (Without lens)

Filter

- 38 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)
- 35 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)
- 35 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)

Operating environment

- Operating temperature: 0–45 °C (32–113 °F)*5
- Operating humidity: 10–80 % (no condensation)

Weights and dimensions are approximate. Specifications and appearance are subject to change without notice.

For more information about Panasonic projectors, please visit:
- Projector Global Website – https://panasonic.net/cns/projector/download/application/
- YouTube – https://www.youtube.com/user/PanasonicProjector

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