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

Unbeatable Reliability in the Real-World Conditions

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

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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.

*1 Brightness for PT-MZ16KL only. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2012 international standards. Value is average of all products when shipped. *2 4K signal input is converted to the projector's resolution (1920 x 1200). Applicable terminals: DIGITAL LINK terminal/HDMI terminal. *3 With standard ET-EMS600 lens included. *4 NORMAL Mode. Noise levels in ECO/Dual Modes are 38C. *5 For more information about activation of optional upgrade kits, please visit the Panasonic website (https://panasonic.net/cns/projector/).
Specifications (Tentative)

<table>
<thead>
<tr>
<th>Model</th>
<th>PT-MZ16KDL</th>
<th>PT-MZ13KDL</th>
<th>PT-MZ10KDL</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>25.4 mm (1.0 in) diagonal (16:10 aspect ratio)</td>
<td>25.4 mm (1.0 in) diagonal (16:10 aspect ratio)</td>
<td>25.4 mm (1.0 in) diagonal (16:10 aspect ratio)</td>
</tr>
<tr>
<td>Display method</td>
<td>Transparent LCD panel (x 3, R/G/B)</td>
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<td>Transparent LCD panel (x 3, R/G/B)</td>
</tr>
<tr>
<td>Drive method</td>
<td>Active matrix method</td>
<td>Active matrix method</td>
<td>Active matrix method</td>
</tr>
<tr>
<td>Pixels</td>
<td>2,304,000 (1920 x 1200 pixels x 3, total of 6,912,000 pixels)</td>
<td>2,160,000 (1920 x 1080 pixels x 3, total of 6,480,000 pixels)</td>
<td>1,728,000 (1920 x 1080 pixels x 3, total of 5,184,000 pixels)</td>
</tr>
<tr>
<td>Light source</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
<td>Laser diodes</td>
</tr>
<tr>
<td>Light output**</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 %**</td>
<td>20,000 hours (NORMAL) / 24,000 hours (ECO)</td>
<td>20,000 hours (NORMAL) / 24,000 hours (ECO)</td>
<td>16,000 hours (NORMAL) / 20,000 hours (ECO)</td>
</tr>
<tr>
<td>Resolution</td>
<td>1920 x 1200 pixels</td>
<td>1920 x 1080 pixels</td>
<td>1920 x 1080 pixels</td>
</tr>
<tr>
<td>Contrast ratio*</td>
<td>3,000,000:1 (Full On/Full Off)</td>
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</tr>
<tr>
<td>Screen size (diagonal)</td>
<td>1.78–2.94 m (70–1,000 in)</td>
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</tr>
<tr>
<td>Center-to-corner zone ratio*</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: TBD; Horizontal: TBD</td>
<td>Vertical: TBD; Horizontal: TBD</td>
<td>Vertical: TBD; Horizontal: TBD</td>
</tr>
<tr>
<td>Keystone correction range</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 with optional ET-UK20 Upgrade Kit</td>
<td>Vertical: ±40°; Horizontal: ±10°</td>
<td>Vertical: ±40°; Horizontal: ±10°</td>
<td>Vertical: ±40°; Horizontal: ±10°</td>
</tr>
</tbody>
</table>

Installation

- Ceiling/Tor: front/rear, free 360-degree installation
- Ceiling/floor: Compatible with optional ET-UK20 Upgrade Kit
- Keystone correction range: Vertical: ±40°; Horizontal: ±10°

Terminals

- HDMI IN: HDMI 19-pin x 1 (Compatible with HDCP, Deep Color, 4K/60p signal input)
- DVI-D IN: DVI-D 24-pin x 1 (Compatible with HDCP, compatible with single link only)
- RGB IN: D-sub HD 15-pin (female) x 1 (RGB/YPr/Pr/CR/Cr) (Compatible with 2014/15 models)
- SERIAL IN: D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
- REMOTE 1 IN: M3 x 1 for wired remote control
- REMOTE 1 OUT: M3 stereo mini jack x 1
- REMOTE 2 IN: D-sub 9-pin (female) x 1 for external control (parallel)
- DIGITAL LINK/LAN: RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 10Base-T (Compatible with PJLink™ [Class 2], Art-Net, HDCP, Deep Color, 4K/60p signal input)
- LAN: RJ-45 x 1 for network, 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net)
- USB: USB Connector (Type A) x 1 (Output 5 V/2 A)

Power supply

- AC 100–240 V, 50/60 Hz

Power consumption

- TBD

Cabinet materials

- Molded plastic

Filter

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

Operation noise**

- 38 dB (NORMAL)/35 dB (ECO)/32 dB (QUIET) (TBD)

Dimensions (W × H × D)

- 650 x 185 x 440 mm (25⅞ x 7⅞ x 17⅛ in) (Not including protruding parts)

Weight**

- Approx. 22.3 kg (49.2 lbs) (TBD)

Optional Accessories

- Zoom Lens
  - ET-ZM500 (0.48–0.55) / ET-ZM600 (0.55–0.69) / ET-ZM400 (0.69–0.95) / ET-ZM500 (0.95–1.35) / ET-ZM600 (1.35–2.11) / ET-ZH670 (2.11–4.14) / ET-EMB80 (4.14–7.44)

- Ceiling Mount Bracket
  - ET-PKD120H (for high ceilings) / ET-PKD120S (for medium ceilings) / ET-PKD130H (for low ceilings)

- Replacement Filter
  - ET-RM100

- Attachment for Ceiling Mount Bracket
  - ET-PEK301B

- DIGITAL LINK Switcher
  - ET-YFD200G

- Digital Interface Box
  - ET-YFB100G

- Geometry Manager Pro Software Upgrade Kit
  - ET-UK20

- Auto Screen Adjustment Upgrade Kit
  - ET-CUK10/ET-UK10P

- Early Warning Software
  - ET-OW100 Series

Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability may vary by country or region. This product may be subject to import control regulations. The terms “HDMI” and “HDMI High-Definition Multimedia Interface,” and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. Trademark PJLink is a trademark applied for trademark rights in Japan, the United States of America and other countries and areas. Android is a trademark or registered trademark of Google LLC. iOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license. SOLID SHINE is a trademark of Panasonic Corporation. All other trademarks are the property of their respective trademark owners. © 2019 Panasonic Corporation. All rights reserved.