



SOLID SHINE LCD Boosts Brightness While Reducing Your Workload for an Effortless Learning Experience

■ Main Features

01 | Clear, Long-Lasting Viewing for Efficiency and Comfort

Harnessing a Multi-Laser Drive Engine, 1-inch LCDs, and Pure White Generator, viewers can enjoy vivid images at up to 16,000 lm*¹.

02 | High Reliability for Fewer Callouts

Our first LCD projectors featuring liquid-cooled lasers, discrete sealed phosphor-wheel cooling, and backup-input switching*² maintain reliable projection in tough conditions.

03 | Simplified Installation Streamlines Your Workflow

LCD projectors are first with updated Smart Projector Control Ver. 2.0*³ app and Geo Pro software. 4K/60p signal input*⁴ and new lenses seamlessly integrate projectors into any space and A/V infrastructure.



White Models
* Lens sold separately.



Black Models

PT-MZ16K Series

	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL
Light Output	16,000 lm	13,000 lm	10,000 lm
Resolution	WUXGA		

*¹ Brightness is for PT-MZ16KL. 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 Combination of primary/secondary input terminals is fixed. Input signals to primary and backup inputs must be identical. *³ Check device and OS compatibility at the App Store or the Google Play store. For more information, please visit <https://panasonic.net/cns/projector/download/application/smartpj/>. *⁴ 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI. YPbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK.

Pure White Generator for High Brightness and Color

Pure White Generator arrests brightness loss with a patented multi-reflection engine that more efficiently gathers blue laser light. This helps to enhance color accuracy for natural, true-to-life color expression.

Liquid-Cooled Multi-Laser Drive Engine with Failover

Multi-Laser Drive Engine is backed by new liquid-cooling and laser failover circuitry. If a laser diode fails, only the affected series is bypassed and not the entire module. Projection continues with imperceptible brightness loss. Enjoy superior reliability and peace of mind.

Reliable Phosphor-Wheel Design

The PT-MZ16K Series has dedicated Panasonic-original sealed cooling for the heat-resistant phosphor wheel. The assembly is extensively shielded to protect against dust intrusion for long-life brightness.

Supports Geo Pro Software

Introducing the first LCD projectors to support Geometry Manager Pro. The software expands on the projector's built-in adjustments with Free Grid geometry functions. Optional upgrade kits add creative masking [ET-UK20] and Auto Screen Adjustment for multiple curved or planar screens via a compatible camera [ET-CUK10].

Other Features

- Smart Projector Control*¹ with NFC Function*² and projector auto-focus function via smartphone camera*³
- Information Monitor screen displays operational data
- Flexible backup input-switching function for two inputs*⁴
- Optional lenses eliminate throw-ratio gaps
- Lenses feature sensor-based AFO smart auto-focus
- Separate DIGITAL LINK and LAN terminals
- 3,000,000:1 Dynamic Contrast
- Daylight View 3 and Detail Clarity Processor 4

*1 Check device and OS compatibility at the App Store or the Google Play store. For more information, please visit <https://panasonic.net/cns/projector/download/application/smartg/>. *2 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See <https://panasonic.net/cns/projector/products/smartgcontrol/regional.html> for details. *3 Some mobile devices do not support projector auto-focus function. *4 Combination of primary/secondary input terminals is fixed. Input signals to primary and backup inputs must be identical.

Specifications

Model	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL
Projector type	LCD projectors		
LCD panel	Panel size	25.4 mm (1.0 in) diagonal (16:10 aspect ratio)	
	Pixels	2,304,000 (1920 x 1200) pixels x 3	
Light source	Laser diodes		
Light output* ¹	16,000 lm	13,000 lm	10,000 lm
Time until light output declines to 50 %* ²	20,000 hours (NORMAL)		
Resolution	1920 x 1200 pixels		
Contrast ratio* ¹	3,000,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]		
Screen size [diagonal]	2.03–12.7 m (80–500 in), 16:10 aspect ratio, 2.54–10.16 m (100–400 in) with ET-EMU100 (TBD), 16:10 aspect ratio		
Center-to-corner zone ratio* ¹	85 %		
Lens	Optional powered zoom lenses		
Lens shift	Vertical (from center of screen)	±60 % (+50 %, -20 % with ET-EMU100, ±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)	
	Horizontal (from center of screen)	±20 % (±19 % with ET-EMW200) (powered)	
Keystone correction range	Vertical: ±40° (±5° with ET-EMU100, ±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500), Horizontal: ±15° (±0° with ET-EMU100, ±8° with ET-EMW200/ET-EMW300)		
Keystone correction range with optional ET-UK20 Upgrade Kit	Vertical: ±40° (±5° with ET-EMU100, ±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500), Horizontal: ±40° (±0° with ET-EMU100, ±8° with ET-EMW200/ET-EMW300, ±15° with ET-EMW400/ET-EMW500) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55°.		
Terminals	SDI IN	BNC x 1: 3G/HD-SDI input	
	HDMI IN	HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input* ³)	
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	
	RGB IN	D-sub HD 15-pin (female) x 1 (RGB/Y/PePr/Y/CeCr)	
	SERIAL/MULTI PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
	SERIAL/MULTI PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)	
	REMOTE 1 IN	D-sub 9-pin (female) x 1 for external control (parallel)	
	REMOTE 2 IN	M3 x 1 for wired remote control	
	REMOTE 2 OUT	M3 x 1 for link control (for wired remote control)	
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBase™ compliant), 100Base-TX (Compatible with PjLink™ [Class 2], Art-Net, HDCP 2.2, Deep Color, 4K/60p signal input* ³)	
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PjLink™ [Class 2], Art-Net)	
	DC OUT	USB Connector (Type A) x 1 (Output 5 V/2 A)	
Power supply	AC 100–240 V, 50/60 Hz		
Power consumption	1,050 W	800 W	640 W
Filter	Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise* ¹	38 dB (NORMAL) / 32 dB (Quiet)		35 dB (NORMAL) / 30 dB (Quiet)
Dimensions (W x H x D)	650 x 211* ⁵ x 440 mm (25 19/32* ⁵ x 8 5/16* ⁵ x 17 21/64* ⁵) (Without lens)		
Weight* ⁵	Approx. 22.3 kg (49.2 lbs)		
Operating environment	Operating temperature: 0–45 °C (32–113 °F)* ⁶ ; Operating humidity: 10–80 % (no condensation)		
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™		

*1 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 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [3], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. *3 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI. Y/PaPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. *4 With legs at shortest position. *5 Average value. May differ depending on the actual unit. *6 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector.

Optional Accessories

- **Zoom Lens**
ET-EMU100 (0.330–0.353:1) / ET-EMW200 (0.480–0.550:1) / ET-EMW300 (0.550–0.690:1) / ET-EMW400 (0.690–0.950:1) / ET-EMW500 (0.950–1.36:1) / ET-EMS600 (1.35–2.10:1) / ET-EMT700 (2.10–4.14:1) / ET-EMT800 (4.14–7.40:1)
Note: Use of ET-EMU100 is subject to specific installation and usage conditions. Consult your sales representative for details before purchase. Projector firmware Ver. 1.23 or later or Ver. 2.10 or later required.
- **Ceiling Mount Bracket**
ET-PKD130H (6-axis, for high ceilings) / ET-PKD120H (for high ceilings) / ET-PKD120S (for low ceilings)
Note: ET-PKD130H/PKD120H/PKD120S used in combination with ET-PKE301B (sold separately).
- **Attachment for Ceiling Mount Bracket**
ET-PKE301B
- **Replacement Filter**
ET-RFM100
- **DIGITAL LINK Switcher**
ET-YFB200G Note: ET-YFB200G is not compatible with 4K signals.
- **Digital Interface Box**
ET-YFB100G Note: ET-YFB100G is not compatible with 4K signals.
- **Geometry Manager Pro Software Upgrade Kit**
ET-UK20
- **Auto Screen Adjustment Upgrade Kit**
ET-CUK10/ET-CUK10P
- **Early Warning Software**
ET-SWA100 Series
Note: Part number suffix may differ depending on the license type. *Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: <https://panasonic.net/cns/projector/download/application/>
- **NFC Upgrade Kit**
ET-NUK10 Note: Product availability may vary by country or region.

Panasonic CONNECT

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 export 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 Apple Inc. in the U.S. and other countries and is used under license. SOLID SHINE is a trademark of Panasonic Holdings Corporation. All other trademarks are the property of their respective trademark owners. © Panasonic Connect Co., Ltd. 2022. All rights reserved.



For more information about Panasonic projectors, please visit: Projector Global Website – <https://panasonic.net/cns/projector/> Facebook – www.facebook.com/panasonicprojectoranddisplay YouTube – www.youtube.com/user/PanasonicProjector

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to **Panasonic Connect Co., Ltd.** as of April 1, 2022.

All information included here is valid as of April 2022.

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