

AVAILABLE FROM NOVEMBER 2019

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



White Models



Black Models

* Lens sold separately.



PT-MZ16K Series			
	PT-MZ16KL	PT-MZ13KL	PT-MZ10KL
Light Output	16,000 lm	13,000 lm	10,000 lm
Resolution	WUXGA		

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

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.

• 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 circuitry, 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/Quiet Modes are TBC. *⁵ For more information about activation of optional upgrade kits, please visit the Panasonic website (<https://panasonic.net/cns/projector/>).

Specifications (Tentative)

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)	
	Display method	Transparent LCD panel (x 3, R/G/B)	
	Drive method	Active matrix method	
	Pixels	2,304,000 (1920 x 1200) pixels x 3, total of 6,912,000 pixels	
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)/24,000 hours (ECO)		
Resolution	1920 x 1200 pixels		
Contrast ratio*1	3,000,000:1 (Full On/Full Off)		
Screen size [diagonal]	1.78–25.4 m (70–1,000 in), 16:10 aspect ratio		
Center-to-corner zone ratio*1	90 %		
Lens	Optional powered zoom lenses		
Lens shift	Vertical: TBD, Horizontal: TBD		
Keystone correction range	Vertical: ±40°, Horizontal: ±15°		
Keystone correction range with optional ET-UK20 Upgrade Kit	Vertical: ±40°, Horizontal: ±40°		
Installation	Ceiling/floor, front/rear, free 360-degree installation		
Terminals	SDI IN	BNC x 1: 3G/HD/SD-SDI input	
	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 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	
	RGB IN	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)	
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control	
	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), 100Base-TX (Compatible with PjLink™ [Class 2], Art-Net, HDCP, Deep Color, 4K/60p signal input)	
	LAN	RJ-45 x 1 for network connection, 10Base-T, 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*1	38 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)	35 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)	35 dB/TBD/TBD (NORMAL/ECO/QUIET) (TBD)
Dimensions (W × H × D)	650 x 185*3 x 440 mm (25 19/32" x 7 9/32" x 17 5/16") (Without lens) (Not including protruding parts)		
Weight*4	Approx. 22.3 kg (49.2 lbs) (TBD)		
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*5; Operating humidity: 10–80 % (no condensation)		
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro, 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 [2], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *3 With legs at shortest position. *4 Average value. May differ depending on the actual unit. *5 Light output is limited at operating temperatures higher than 30 °C (86 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level.

Optional Accessories

- **Zoom Lens**
ET-EMW200 (0.48-0.55) / ET-EMW300 (0.55-0.69) / ET-EMW400 (0.69-0.95) / ET-EMW500 (0.95-1.35) / ET-EMS600 (1.35-2.11) / ET-EMT700 (2.11-4.14) / ET-EMT800 (4.14-7.44)
- **Ceiling Mount Bracket**
ET-PKD120H (for high ceilings) / ET-PKD120S (for low ceilings) / ET-PKD130H (TBD)
- **Replacement Filter**
ET-RMF100
- **Attachment for Ceiling Mount Bracket**
ET-PKE301B
- **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/>

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

All information included here is valid as of June 2019.

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