Panasonic CONNECT



PT-MZ14KL

Introducing the smallest, lightest, and quietest LCD laser projector in its class with up to 20,000 lm* , compact 23 kg*2 (50.7 lbs) body, and quiet 42 dB*3 operation

Key Features

World's Smallest, Lightest, and Quietest 14,000 lm LCD Projector

Delivering up to 20,000 lm on AC 100–240 V, a World First

Long-Life Energy-Saving Design Minimizes Problems









PT-MZ14KL

https://ap.connect.panasonic.com/vn/en/products/projectors/pt-mz14kl

Projector type	LCD projectors
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Panel size	25.4 mm (1.0 in) diagonal (16:10 aspect ratio)
Display Device -> Drive method	Active matrix method
Display Device -> Number of pixels	2,304,000 (1920 x 1200 pixels)
	Laser diode
-	14,000 lm
Light output (ANSI) *3	14,000 lm
Time until light output declines to 50 % -> NORMAL ^{*5}	620,000 hours [NORMAL]
Time until light output declines to 50 % -> QUIET ^{*5}	620,000 hours [QUIET]
Resolution	WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) *2	3,000,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] set to [3].)
Screen size (diagonal)	$2.03-15.24$ m (80–600 in), $2.54-10.16$ m (100–400 in) with ET-EMU100, $2.03-12.70$ m (80–500 in) with ET-EMT800*4, $16:\!10$ aspect ratio
Center-to-corner zone ratio *2	85%
Lens	Optional (no lens included with this model)
Lens shift -> Vertical(from center of screen) *6	±60 % (+50 %, -20 % with ET-EMU100, ±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)
Lens shift -> Horizontal(from center of screen) *6	±20 % (±19 % with ET-EMW200) (powered)
Keystone correction range	Vertical: ±45 ° (±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 °.
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> SDI IN	BNC x 1: 3G/HD-SDI input
	$\label{eq:hdm1} \text{HDMI}^{\text{TM}} \ 19\text{-pin} \ \text{x} \ 2 \ \text{(Compatible with HDCP 2.3, Deep Color, 4K/60p signal input*4), CEC supported}$
Terminals -> SERIAL/MULTI- PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> SERIAL/MULTI- PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
Terminals -> REMOTE 1 IN	D-sub 9-pin (female) × 1 for external control (parallel)
Terminals -> REMOTE 2 IN	M3 x 1 for wired remote control
Terminals -> REMOTE 2 OUT	M3 x 1 for link control (for wired remote control)
	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT TM compliant), 100Base-TX (Compatible with PJLink TM [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p signal input*5)
Terminals -> LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink TM [Class 2], Art-Net)
Terminals -> DC OUT	USB connector (Type A) x 1 for power supply (Output: 5 V / 2 A)
Terminals -> USB TYPE A	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module, for USB memor
Power supply	AC 100–240 V, 50/60 Hz
	800 W (8.1–3.3 A) (810 VA)
On-mode power	[NORMAL]
consumption(Operating mode) -> Normal	720 W (AC 100–120 V), 690 W (AC 200–240 V)
On-mode power	[QUIET]
consumption(Operating mode) -> Quiet	460 W (AC 100–120 V), 445 W (AC 200–240 V)
Cabinet materials	Molded plastic
Filter	Included
Estimated filter maintenance cycle	approx. 20,000 hours*7
Operation noise -> Normal *2	35 dB [NORMAL]
Operation noise -> Quiet *2	30 dB [QUIET]
	Approx. 650 x 185 x 440 mm (25 19/32" x 7 9/32" x 17 5/16") (excluding feet and
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Dimensions (W x H x D)	with feet at shortest position)
Dimensions (W x H x D) Dimensions (W x H x D) -> Width (not including protruding parts)	Approx. 650 mm (25 19/32")
Dimensions (W x H x D) Dimensions (W x H x D) -> Width (not	with feet at shortest position)

Dimensions -> Height (including	Approx. 211 mm (8 5/16")
protruding parts)	
Dimensions -> Depth (not including protruding parts)	Approx. 440 mm (17 5/16")
Dimensions -> Depth (including lens)	Approx. 440 mm (17 5/16")
Weight *8	Approx. 22.5 kg (49.6 lbs)
Operating environment -> Operating temperature *9	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro,Projector Network Setup Software, Smart Projector Control for iOS/Android TM
Footnote Description	 When [OPERATING MODE] is set to [NORMAL]. This is the value when the Zoom Lens (Model No.: ET-EM5650) is used. The value varies depending on the lens. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, Normal Mode, [DYNAMIC CONTRAST] set to [3], 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 decreases to 50 % will vary depending on environment. ET-EMT800 is compatible with PT-MZ17KL/MZ14KL/MZ11KL only. It cannot be used with PT-MZ20KL. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. 4K/60p and 4K/50p signals input via DIGITAL LINK are supported in YPBPR 4:2:0 format only. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). Under conditions of 0.15 mg/m3 of particulate matter. Estimated maintenance time varies depending on environment. Filter can be washed and reused up to

two times.

9. Average value. May differ depending on the actual unit.

the optional AJ-WM50 Series Wireless Module is attached.

10. Note that the projector cannot be used at altitudes 2,700 m (8,858 ft) or higher above sea level. In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 1,400 m (4,593 ft) and ambient temperature is 35 °C (95 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher. The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) when