



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/th/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)
Light source	Laser diode
Light output *1	14,000 lm
Light output (ANSI)	14,000 lm
Time until light output declines to	20,000 hours [NORMAL]
50 % -> NORMAL *3	
Time until light output declines to	20,000 hours [QUIET]
50 % -> QUIET *6	
Resolution	WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) *1	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 *1	85%
Lens	Optional (no lens included with this model)
Lens shift -> Vertical(from center of screen) *4	±60 % (+50 %, -20 % with ET-EMU100, ±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)
Lens shift -> Horizontal(from center of screen) *4	±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
Terminals -> HDMI™ IN	HDMI™ 19-pin x 2 (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) x 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)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [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™ [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 memory
Power supply	AC 100-240 V, 50/60 Hz
Maximum power consumption	800 W (8.1-3.3 A) (810 VA)
On-mode power	[NORMAL]
consumption(Operating mode) ->	720 W (AC 100-120 V), Normal 690 W (AC 200-240 V)
On-mode power	[QUIET]
consumption(Operating mode) ->	460 W (AC 100-120 V), Quiet *8 445 W (AC 200-240 V)
Cabinet materials	Molded plastic
Filter	Included
Estimated filter maintenance cycle	approx. 20,000 hours*7
Operation noise -> Normal *1	35 dB [NORMAL]
Operation noise -> Quiet *1	30 dB [QUIET]
Dimensions (W x H x D)	Approx. 650 x 185 x 440 mm (25 19/32" x 7 9/32" x 17 5/16") (excluding feet and protrusions), 650 x 211 x 440 mm (25 19/32" x 8 5/16" x 17 5/16") (excluding protrusions, with feet at shortest position)
Dimensions (W x H x D) -> Width (not including protruding parts)	Approx. 650 mm (25 19/32")
Dimensions -> Width (including protruding parts)	Approx. 650 mm (25 19/32")

Dimensions -> Height (not including protruding parts)	Approx. 185 mm (7 9/32")
Dimensions -> Height (including protruding parts)	Approx. 211 mm (8 5/16")
Dimensions -> Depth (not including protruding parts)	Approx. 440 mm (17 5/16")
Dimensions -> Depth (including lens)	Approx. 440 mm (17 5/16")
Weight *7	Approx. 22.5 kg (49.6 lbs)
Operating environment ->	0-45 °C (32-113 °F)
Operating temperature *8 *9	
Operating Environment ->	10-80 % (no condensation)
Operating humidity (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™
Footnote Description	<p>1. When [OPERATING MODE] is set to [NORMAL]. This is the value when the Zoom Lens (Model No.: ET-EMS650) is used. The value varies depending on the lens.</p> <p>2. 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.</p> <p>3. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</p> <p>4. 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.</p> <p>5. ET-EMT800 is compatible with PT-MZ17KL/MZ14KL/MZ11KL only. It cannot be used with PT-MZ20KL.</p> <p>6. 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.</p> <p>7. 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).</p> <p>8. 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.</p> <p>9. Average value. May differ depending on the actual unit.</p> <p>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 the optional AJ-WM50 Series Wireless Module is attached.</p>

Body Colour	Black/White
Gross Dimensions (W x H x D in mm)	MZ14KLWU/MZ14KLBU/MZ14KLWEJ/MZ14KLBEJ/MZ14KLWU7/MZ14KLBU7: 860 x 588 x 354 mm MZ14KLWE/MZ14KLBE: 848 x 576 x 354 mm
Gross Weight (Kg)	MZ14KLWU/MZ14KLBU/MZ14KLWU7/MZ14KLBU7: 29.7 kg (65.6 lbs) MZ14KLWEJ/MZ14KLBEJ: 30.1 kg (66.4 lbs) MZ14KLWE/MZ14KLBE: 28.3 kg (62.3 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
EAN	MZ14KLWEJ: 5025232934188 MZ14KLBEJ: 5025232934195 MZ14KLWE: 8887549820328 MZ14KLBE: 8887549820373