



PT-MZ20KL

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 20,000 lm LCD Projector

Long-Life Energy-Saving Design Minimizes Problems

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



PT-MZ20KL

[https://latam.connect.panasonic.com
/br/en/products/projectors/pt-mz20kl](https://latam.connect.panasonic.com.br/en/products/projectors/pt-mz20kl)

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}	20,000 lm
Light output (ANSI)	20,000 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, 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) (HDBase 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 memory
Power supply	AC 100–240 V, 50/60 Hz
Maximum power consumption	1100 W (11.2–4.6 A) (1120 VA)
On-mode power consumption (Operating mode)	[NORMAL] ->1050 W (AC 100–120 V),
Normal	1000 W (AC 200–240 V)
On-mode power consumption (Operating mode)	[QUIET] ->630 W (AC 100–120 V), Quiet ^{*9} 610 W (AC 200–240 V)
Cabinet materials	Molded plastic
Filter	Included
Estimated filter maintenance cycle	approx. 20,000 hours ^{*7}
Operation noise -> Normal^{*1}	42 dB [NORMAL]
Operation noise -> Quiet^{*1}	36 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. 23.0 kg (50.7 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)	MZ20KLWU/MZ20KLBU/MZ20KLWEJ/MZ20KLBEJ/MZ20KLWU7/MZ20KLBU7: 860 x 588 x 354 mm MZ20KLWE/MZ20KLBE/MZ20KLBUY: 848 x 576 x 354 mm
Gross Weight (Kg)	MZ20KLWU/MZ20KLBU/MZ20KLWU7/MZ20KLBU7: 30.2 kg (66.7 lbs) MZ20KLWEJ/MZ20KLBEJ: 30.6 kg (67.5 lbs) MZ20KLWE/MZ20KLBE: 28.8 kg (63.4 lbs) MZ20KLBUY: 28.3 kg (62.4 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartzpjcontrol/regional.html#regional
EAN	MZ20KLWEJ: 5025232934140 MZ20KLBEJ: 5025232934157 MZ20KLWE: 8887549820182 MZ20KLBE: 8887549820212