# 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
/mx/es/productos/proyectores/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 | 20,000 lm |
| Light output (ANSI) | 20,000 lm |
| Time until light output declines to 50 % -> NORMAL | 20,000 hours [NORMAL] |
| Time until light output declines to 50 % -> QUIET | 20,000 hours [QUIET] |
| Resolution | WUXGA (1920 x 1200 pixels) |
| Contrast Ratio (typ.) | 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) withET-EMU100, 16:10 aspect ratio |
| Center-to-corner zone ratio | 85% |
| Lens | Optional (no lens included with this model) |
| Lens shift -> Vertical(from center of screen) | ±60 % (+50 %, -20 % with ET-EMU100, ±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered) |
| Lens shift -> Horizontal(from center of screen) | ±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), <br> Horizontal: ±40 ° (±0 ° with ET-EMU100, ±8 ° with ET-EMW200/ET-EMW300, ±15 ° with ET-EMW400/ET-EMW500). <br> 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) × 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 | 1100 W (11.2–4.6 A) (1120 VA) |
| On-mode power consumption(Operating mode) -> Normal | [NORMAL] <br> 1050 W (AC 100–120 V), <br> 1000 W (AC 200–240 V) |
| On-mode power consumption(Operating mode) -> Quiet | [QUIET] <br> 630 W (AC 100–120 V), <br> 610 W (AC 200–240 V) |
| Cabinet materials | Molded plastic |
| Filter | Included |
| Estimated filter maintenance cycle | approx. 20,000 hours*7 |
| Operation noise -> Normal | 42 dB [NORMAL] |
| Operation noise -> Quiet | 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** | Approx. 23.0 kg (50.7 lbs) |
| **Operating environment -> Operating temperature** | 0–45 ℃ (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™ |
| **Footnote Description** | 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. |
| | 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. |
| | 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. |
| | 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 ℃ (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. |
| | 5. ET-EMT800 is compatible with PT-MZ17KL/MZ14KL/MZ11KL only. It cannot be used with PT-MZ20KL. |
| | 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. |
| | 7. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 ℃ (77 °F) operating temperature at an altitude of 700 m (2,297 ft). |
| | 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. |
| | 9. Average value. May differ depending on the actual unit. |
| | 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 ℃ (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 ℃ (86 °F) or higher. The operating environment temperature should be between 0 ℃ (32 °F) and 40 ℃ (104 °F) when the optional AJ-WM50 Series Wireless Module is attached. |
| **Body Colour** | Black/White |
| **Gross Dimensions (W x H x D in mm)** | MZ20KLWU/MZ20KLBU/MZ20KLWEJ/MZ20KLBEJ/MZ20KLWU7/MZ20KLBU7: 860 x 588 xx 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/smartpjcontrol/regional.html#regional |
| **EAN** | MZ20KLWEJ: 5025232934140 |
| | MZ20KLBEJ: 5025232934157 |
| | MZ20KLWE: 8887549820182 |
| | MZ20KLBE: 8887549820212 |