Panasonic CONNECT

## Revitalize Sustainability and Image Quality in Classrooms and the Workplace

# PT-MZ682

The Series features PT-MZ882 (8,200 lm11), PT-MZ782 (7,500 lm11), and PT-MZ682 (6,500 lm) WUXGA models with a refined Multi-Laser Drive Engine for the optimal balance of high brightness, vivid colour, and low-maintenance operation. *1 Measurement, measuring conditions, and method of notation are all compliant with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped

**Key Features**

- Eco-Conscious Design Includes Recycled Materials
- Bright and Sharp for Comfortable Visibility
- A Streamlined Work/low and Efficient UX

Geo.Pro

SOLID SHINE LASER

4K PROFESSIONAL

24/7 Operation

360°

Panasonic CONNECT

# PT-MZ682

https://ap.pnd.panasonic.com/id/en/pt-mz682

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| **Projector type** | LCD projector |
| **Display method** | Transparent LCD panel (x 3, R/G/B) |
| **Display Device -> Panel size** | 19.3 mm (0.76 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 diodes |
| **Light output** *1 *2 *3 | 6,500 lm |
| **Light output (ANSI)** *1 *2 *4 | 6,500 lm |
| **Time until light output declines to 50 % -> NORMAL** *6 | 20,000 hours [NORMAL] |
| **Time until light output declines to 50 % -> ECO** *6 | 24,000 hours [ECO] |
| **Time until light output declines to 50 % -> QUIET** *4 | 20,000 hours [QUIET] |
| **Resolution** | WUXGA (1920 x 1200 pixels) |
| **Contrast Ratio (typ.)** *3 | 3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1] or [2]. HDMI™ signal input) |
| **Screen size (diagonal)** | 1.02–10.16 m (40–400 in), 1.52–10.16 m (60–400 in) with the ET-ELW22, 2.54–10.16 m (100–400 in) with the ET-ELU20, 16:10 aspect ratio |
| **Center-to-corner zone ratio** *3 | 85% |
| **Lens** | Powered zoom (throw ratio 1.61–2.76:1), powered focus F = 1.7–2.3,f = 26.8–45.5 mm (for supplied lens; optional lenses also available) |
| **Lens shift -> Vertical(from center of screen)** | ±67 % (powered), ±60 % (with ET-ELW22), ±50 % (with ET-ELU20) (TBD) |
| **Lens shift -> Horizontal(from center of screen)** | ±35 % (powered), ±30 % (with ET-ELW22), ±24 % (with ET-ELU20) (TBD) |
| **Keystone correction range** | Vertical: ±25 ° (±22 ° with ET-ELW21/ET-ELW22); (±25 ° with ET-ELW20/ET-ELT22/ET-ELT23); (±5 ° with ET-ELU20),<br>Horizontal: ±30 ° (±15 ° with ET-ELW21/ET-ELW22); (±30 ° with ET-ELW20/ET-ELT22/ET-ELT23); (0 ° with ET-ELU20) |
| **Installation** | Ceiling/floor, front/rear, free 360-degree installation |
| **Terminals -> HDMI™ IN** | HDMI™ x 3 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*4), CEC supported |
| **Terminals -> COMPUTER IN (D-SUB 15pin)** | D-sub HD 15-pin (female) x 1 (RGB/$YP_BP_R$/$YC_BC_R$) |
| **Terminals -> COMPUTER OUT (D-SUB 15pin)** | D-sub HD 15-pin (female) x 1 (RGB/$YP_BP_R$/$YC_BC_R$) |
| **Terminals -> AUDIO IN(M3 Stereo Mini Jack)** | M3 stereo mini-jack x 1 |
| **Terminals -> AUDIO OUT(M3 Stereo Mini Jack)** | M3 stereo mini-jack x 1 |
| **Terminals -> MULTI PROJECTOR SYNC IN** | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant) |
| **Terminals -> MULTI PROJECTOR SYNC OUT** | D-sub 9-pin (male) x 1 for link control |
| **Terminals -> SERIAL IN** | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant) |
| **Terminals -> SERIAL/MULTI-PROJECTOR SYNC IN** | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant) |
| **Terminals -> SERIAL/MULTI-PROJECTOR SYNC OUT** | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant) |
| **Terminals -> REMOTE 1 IN** | M3 stereo mini-jack x 1 for wired remote control |
| **Terminals -> REMOTE 2 IN** | D-sub 9-pin (female) x 1 for external control (parallel) |
| **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*4 *5 signal input) |
| **Terminals -> LAN** | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net) |
| **Terminals -> DC OUT** | USB Type A x 1 (for power supply, DC 5 V, 2 A) |
| **Power supply** | AC 100–240 V, 50 Hz/60 Hz |
| **Maximum power consumption** *9 | 360 W (4.2–2.0 A) (395 VA)(Power consumption is 345 W at AC 200–240 V) (TBD) |
| **On-mode power consumption(Operating mode) -> Normal** *9 *9 *10 | [NORMAL]<br>330 W (AC 100–120 V),<br>315W (AC 200–240 V) (TBD) |
| **On-mode power consumption(Operating mode) -> Eco** *9 *9 *10 | [ECO]<br>240 W (AC 100–120 V),<br>230 W (AC 200–240 V) (TBD) |
| **On-mode power consumption(Operating mode) -> Quiet** *11 | [QUIET]<br>238 W (AC 100–120 V),<br>228 W (AC 200–240 V) (TBD) |
| **Cabinet materials** | Molded plastic |
| **Filter** | Included |
| **Estimated filter maintenance cycle** *12 | Approx. 20,000 hours |
| **Operation noise -> Normal** *3 | 32 dB [NORMAL] |
| **Operation noise -> Eco** *3 | 32 dB [ECO] |
| **Operation noise -> Quiet** *2 | 25 dB [QUIET] |

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| **Body Colour** | PT-MZ682BEJ-Black<br>PT-MZ682B-Black<br>PT-MZ682WEJ-White<br>PT-MZ682W-White<br>PT-MZ682WD8-White |
| **Dimensions (W x H x D)** | 561 x 224 x 439 mm (22 3/32″ x 8 13/16″ x 17 9/32″ ) (With legs at shortest position, including lens and protruding parts) |
| **Dimensions -> Width (including protruding parts)** | 561 mm (22 3/32″) |
| **Dimensions -> Height (including protruding parts)** | 224 mm (8 13/16″) |
| **Dimensions -> Depth (including lens)** | 439 mm (17 9/32″) |
| **Gross Dimensions (W x H x D in mm)** | MZ682WEJ/MZ682BEJ/MZ682WU7/MZ682BU7: 756 x 545 x 348 mm<br>MZ682W/MZ682B: 746 x 535 x 332 mm |
| **Weight** *11 | Approx. 17.6 kg (38.8 lbs) (with supplied lens) |
| **Gross Weight (Kg)** | MZ682WEJ/MZ682BEJ: 23.5 kg (51.8 lbs)<br>MZ682W/MZ682B: 22.0 kg (48.6 lbs) |
| **Operating environment -> Operating temperature** *12 | 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, Projector Network Setup Software,Smart Projector Control for iOS/Android™, Geometry Manager Pro*9 |
| **NFC** | No |
| **EAN** | MZ682WEJ: 5025232964000<br>MZ682BEJ: 5025232964055<br>MZ682W: 5025232964017<br>MZ682B: 5025232964062 |
| **Terminals -> SDI IN** | – |
| **Terminals -> DVI-D IN** | – |
| **Terminals -> DisplayPort™ IN** | – |
| **Active 3D** | No |
| **SDM** | No |
| **Light output (Center)** *1 *2 *5 | 6,800 lm*4 |
| **Footnote Description** | 1. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL].<br>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.<br>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.<br>4. Average light-output value of all shipped products measured at the center of screen in NORMAL Mode.<br>5. Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2]). Estimated time until light output declines to 50 % varies depending on environment.<br>6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection.<br>7. YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.<br>8. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards.<br>9. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft).<br>10. Average value. May differ depending on the actual unit.<br>11. 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 700 m (2,297 ft) and ambient temperature is 36 °C (97 °F) or higher; when the projector is used at altitudes between 700 m (2,297 ft) and 1,400 m (4,593 ft) exclusive and ambient temperature is 34 °C (93 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) exclusive and ambient temperature is 32 °C(90 °F) or higher; and when the projector is used at altitudes between 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher.<br>12. This projector series does not support some functions available in Geo Pro software. |