



## 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



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| <b>Projector type</b>  | LCD projector  |
| <b>Display method</b>  | Transparent LCD panel (x 3, R/G/B)   |
| <b>Display Device -&gt; Panel size</b>                           | 19.3 mm (0.76 in) diagonal (16:10 aspect ratio)  |
| <b>Display Device -&gt; Drive method</b>                         | Active matrix method   |
| <b>Display Device -&gt; Number of pixels</b>                     | 2,304,000 (1920 x 1200 pixels)   |
| <b>Light source</b>  | Laser diodes   |
| <b>Light output *1 *2</b>  | 6,500 lm   |
| <b>Light output (ANSI) *3</b>                                    | 6,500 lm   |
| <b>Time until light output declines to 50 % -&gt; NORMAL *4</b>  | 20,000 hours [NORMAL]  |
| <b>Time until light output declines to 50 % -&gt; ECO *4</b>     | 24,000 hours [ECO]   |
| <b>Time until light output declines to 50 % -&gt; QUIET *4</b>   | 20,000 hours [QUIET]   |
| <b>Resolution</b>  | WUXGA (1920 x 1200 pixels)   |
| <b>Contrast Ratio (typ.) *2</b>                                  | 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)  |
| <b>Screen size (diagonal)</b>                                    | 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  |
| <b>Center-to-corner zone ratio *2</b>                            | 85%  |
| <b>Lens</b>  | 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)  |
| <b>Lens shift -&gt; Vertical(from center of screen)</b>          | ±67 % (powered), ±60 % (with ET-ELW22), ±50 % (with ET-ELU20) (TBD)  |
| <b>Lens shift -&gt; Horizontal(from center of screen)</b>        | ±35 % (powered), ±30 % (with ET-ELW22), ±24 % (with ET-ELU20) (TBD)  |
| <b>Keystone correction range</b>                                 | 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) |
| <b>Installation</b>  | Ceiling/floor, front/rear, free 360-degree installation  |
| <b>Terminals -&gt; HDMI™ IN</b>                                  | HDMI™ x 3 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*4), CEC supported   |
| <b>Terminals -&gt; COMPUTER IN ( D-SUB 15pin )</b>               | D-sub HD 15-pin (female) x 1 (RGB/Y/P <sub>B</sub> P <sub>R</sub> /Y <sub>C</sub> B <sub>C</sub> R)  |
| <b>Terminals -&gt; COMPUTER OUT ( D-SUB 15pin )</b>              | D-sub HD 15-pin (female) x 1 (RGB/Y/P <sub>B</sub> P <sub>R</sub> /Y <sub>C</sub> B <sub>C</sub> R)  |
| <b>Terminals -&gt; AUDIO IN(M3 Stereo Mini Jack)</b>             | M3 stereo mini-jack x 1  |
| <b>Terminals -&gt; AUDIO OUT(M3 Stereo Mini Jack)</b>            | M3 stereo mini-jack x 1  |
| <b>Terminals -&gt; MULTI PROJECTOR SYNC IN</b>                   | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)   |
| <b>Terminals -&gt; MULTI PROJECTOR SYNC OUT</b>                  | D-sub 9-pin (male) x 1 for link control  |
| <b>Terminals -&gt; SERIAL IN</b>                                 | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)   |
| <b>Terminals -&gt; SERIAL/MULTI-PROJECTOR SYNC IN</b>            | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)   |
| <b>Terminals -&gt; SERIAL/MULTI-PROJECTOR SYNC OUT</b>           | D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)   |
| <b>Terminals -&gt; REMOTE 1 IN</b>                               | M3 stereo mini-jack x 1 for wired remote control   |
| <b>Terminals -&gt; REMOTE 2 IN</b>                               | D-sub 9-pin (female) x 1 for external control (parallel)   |
| <b>Terminals -&gt; DIGITAL LINK IN / LAN</b>                     | RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control)(HDBase™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p*4 *5 signal input)                      |
| <b>Terminals -&gt; LAN</b>                                       | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)   |
| <b>Terminals -&gt; DC OUT</b>                                    | USB Type A x 1 (for power supply, DC 5 V, 2 A)   |
| <b>Power supply</b>  | AC 100–240 V, 50 Hz/60 Hz  |
| <b>Maximum power consumption *7</b>                              | 360 W (4.2–2.0 A) (395 VA)(Power consumption is 345 W at AC 200–240 V) (TBD)   |
| <b>On-mode power consumption(Operating mode) -&gt; Normal *7</b> | [NORMAL]<br>330 W (AC 100–120 V),<br>315 W (AC 200–240 V) (TBD)  |
| <b>On-mode power consumption(Operating mode) -&gt; Eco *7</b>    | [ECO]<br>240 W (AC 100–120 V),<br>230 W (AC 200–240 V) (TBD)   |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet *7</b>  | [QUIET]<br>238 W (AC 100–120 V),<br>228 W (AC 200–240 V) (TBD)   |
| <b>Cabinet materials</b>   | Molded plastic   |
| <b>Filter</b>  | Included   |
| <b>Estimated filter maintenance cycle</b>                        | Approx. 20,000 hours   |
| <b>Operation noise -&gt; Normal *2</b>                           | 32 dB [NORMAL]   |
| <b>Operation noise -&gt; Eco *2</b>                              | 32 dB [ECO]  |
| <b>Operation noise -&gt; Quiet *2</b>                            | 25 dB [QUIET]  |
| <b>Dimensions (W x H x D)</b>                                    | 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)   |

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| <b>Dimensions -&gt; Width (including protruding parts)</b>              | 561 mm (22 3/32")  |
| <b>Dimensions -&gt; Height (including protruding parts)</b>             | 224 mm (8 13/16")  |
| <b>Dimensions -&gt; Depth (including lens)</b>                          | 439 mm (17 9/32")  |
| <b>Weight *8</b>  | Approx. 17.6 kg (38.8 lbs) (with supplied lens)  |
| <b>Operating environment -&gt; Operating temperature *9</b>             | 0-45 °C (32-113 °F)  |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 10-80 % (no condensation)  |
| <b>Applicable software</b>  | Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Smart Projector Control for iOS/Android™, Geometry Manager Pro*9  |
| <b>Body Colour</b>  | Black/White  |
| <b>Gross Dimensions (W x H x D in mm)</b>                               | MZ682WEJ/MZ682BEJ/MZ682WU7/MZ682BU7: 756 x 545 x 348 mm<br>MZ682W/MZ682B: 746 x 535 x 332 mm   |
| <b>Gross Weight (Kg)</b>  | MZ682WEJ/MZ682BEJ: 23.5 kg (51.8 lbs)<br>MZ682WU7/MZ682BU7: 22.9 kg (50.4 lbs)<br>MZ682W/MZ682B: 22.0 kg (48.6 lbs)  |
| <b>NFC</b>  | <a href="https://docs.connect.panasonic.com/projector/products/smarpjcontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smarpjcontrol/regional.html#regional</a>  |
| <b>EAN</b>  | MZ682WEJ: 5025232964000<br>MZ682BEJ: 5025232964055<br>MZ682W: 5025232964017<br>MZ682B: 5025232964062   |
| <b>Footnote Description</b>   | <ol style="list-style-type: none"> <li>1. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL].</li> <li>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.</li> <li>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.</li> <li>4. 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.</li> <li>5. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection.</li> <li>6. YP&lt;sub&gt;B&lt;/sub&gt;P&lt;sub&gt;R&lt;/sub&gt;: 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.</li> <li>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).</li> <li>8. Average value. May differ depending on the actual unit.</li> <li>9. 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.</li> <li>10. This projector series does not support some functions available in Geo Pro software.</li> </ol> |