



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

### PT-MZ682

The Series features PT-MZ882 (8,200 lm), PT-MZ782 (7,500 lm), 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



## PT-MZ682

<https://eu.connect.panasonic.com/pt/en/projectors/pt-mz682>

|                                                                  |                                                                                                                                                                                                                               |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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</b>                                           | 6,500 lm                                                                                                                                                                                                                      |
| <b>Light output (ANSI)</b>                                       | 6,500 lm                                                                                                                                                                                                                      |
| <b>Time until light output declines to 50 %</b>                  | 20,000 hours [NORMAL]                                                                                                                                                                                                         |
| <b>-&gt; NORMAL *3</b>                                           |                                                                                                                                                                                                                               |
| <b>Time until light output declines to 50 %</b>                  | 24,000 hours [ECO]                                                                                                                                                                                                            |
| <b>-&gt; ECO *3</b>                                              |                                                                                                                                                                                                                               |
| <b>Time until light output declines to 50 %</b>                  | 20,000 hours [QUIET]                                                                                                                                                                                                          |
| <b>-&gt; QUIET *4</b>                                            |                                                                                                                                                                                                                               |
| <b>Resolution</b>                                                | WUXGA (1920 x 1200 pixels)                                                                                                                                                                                                    |
| <b>Contrast Ratio (typ.) *1</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 *1</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) *4</b>      | ±67 % (powered), ±60 % (with ET-ELW22), ±50 % (with ET-ELU20) (TBD)                                                                                                                                                           |
| <b>Lens shift -&gt; Horizontal (from center of screen) *4</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), 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/YPbPr/YCbCr)                                                                                                                                                                                |
| <b>Terminals -&gt; COMPUTER OUT ( D-SUB 15pin )</b>              | D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr)                                                                                                                                                                                |
| <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</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</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</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 *9</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 *1</b>                           | 32 dB [NORMAL]                                                                                                                                                                                                                |
| <b>Operation noise -&gt; Eco *3</b>                              | 32 dB [ECO]                                                                                                                                                                                                                   |
| <b>Operation noise -&gt; Quiet *1</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)                                                                                                     |
| <b>Dimensions -&gt; Width (including protruding parts)</b>       | 561 mm (22 3/32")                                                                                                                                                                                                             |

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| <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 [kg] *7</b>                                                   | Approx. 17.6 kg (38.8 lbs) (with supplied lens)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Operating environment -&gt; Operating temperature *8 *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>                                                      | PT-MZ682BEJ-Black<br>PT-MZ682B-Black<br>PT-MZ682WEJ-White<br>PT-MZ682W-White<br>PT-MZ682WD8-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>MZ682W/MZ682B: 22.0 kg (48.6 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>NFC</b>                                                              | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>EAN</b>                                                              | MZ682WEJ: 5025232964000<br>MZ682BEJ: 5025232964055<br>MZ682W: 5025232964017<br>MZ682B: 5025232964062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals -&gt; SDI IN</b>                                           | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Terminals -&gt; DVI-D IN</b>                                         | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                  | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Active 3D</b>                                                        | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SDM</b>                                                              | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Light output (Center) *1 *2</b>                                      | 6,800 lm*4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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. Average light-output value of all shipped products measured at the center of screen in NORMAL Mode.</li> <li>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.</li> <li>6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection.</li> <li>7. YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK.</li> <li>8. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards.</li> <li>9. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft).</li> <li>10. Average value. May differ depending on the actual unit.</li> <li>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.</li> <li>12. This projector series does not support some functions available in Geo Pro software.</li> </ol> |