



## PT-MZ682

PT-MZ882(8,200 lm11), PT-MZ782(7,500 lm11), PT-MZ682(6,500  
lm) WUXGA , Multi-Laser Drive Engine  
,\*1 , , ISO/IEC 21118:  
2020 .

### Key Features



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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) *1 *3</b>                                      | 6,500 lm  |
| <b>Time until light output declines to 50 %</b>                       | 20,000 [NORMAL]   |
| <b>-&gt; NORMAL *5</b>  |   |
| <b>Time until light output declines to 50 %</b>                       | 24,000 [ECO]  |
| <b>-&gt; ECO *5</b>   |   |
| <b>Time until light output declines to 50 %</b>                       | 20,000 hours [QUIET]  |
| <b>-&gt; QUIET *5</b>   |   |
| <b>Resolution *6</b>  | WUXGA (1920 x 1200 pixels)  |
| <b>Contrast Ratio (typ.)</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™ ◆ )   |
| <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</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), Horizontal: ±30 ° (±15 ° with ET-ELW21/ET-ELW22); (±30 ° with ET-ELW20/ET-ELT22/ET-ELT23); (0 ° with ET-ELU20) |
| <b>Installation</b>   | / , / , 360   |
| <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- HD 15 (female) x 1 (RGB/YP <sub>Bp</sub> /YC <sub>BcR</sub> )  |
| <b>Terminals -&gt; COMPUTER OUT ( D-SUB 15pin )</b>                   | D- HD 15 (female) x 1 (RGB/YP <sub>Bp</sub> /YC <sub>BcR</sub> )  |
| <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 , 10Base-T, 100Base-TX (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 *13</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 *13 *14</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 *13 *14</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 *13 *14</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 *15</b>   | Included  |
| <b>Estimated filter maintenance cycle</b>                             | 20,000  |
| <b>Operation noise -&gt; Normal</b>                                   | 32 dB [NORMAL]  |
| <b>Operation noise -&gt; Eco</b>                                      | 32 dB [ECO]   |
| <b>Operation noise -&gt; Quiet</b>                                    | 25 dB [QUIET]   |
| <b>Body Colour</b>  | PT-MZ682BE-BlackPT-MZ682B-BlackPT-MZ682WEJ-WhitePT-MZ682W-WhitePT-MZ682WD8-White  |
| <b>Dimensions (W x H x D)</b>   | 561 × 224 × 439 mm (22 3/32" × 8 13/16" × 17 9/32") ( , )   |

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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>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>Weight *16</b>   | Approx. 17.6 kg (38.8 lbs) ( )   |
| <b>Gross Weight (Kg)</b>  | MZ682WEJ/MZ682BEJ: 23.5 kg (51.8 lbs)<br>MZ682W/MZ682B: 22.0 kg (48.6 lbs)   |
| <b>Operating environment -&gt; Operating temperature *17 *18</b>        | 0-45 °C (32-113 °F)  |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 10-80 % (no condensation)  |
| <b>Applicable software</b>  | Geometry Manager Pro*9, iOS/Android™   |
| <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>Footnote Description</b>   | <p>1. [PICTURE MODE]가 [DYNAMIC] [LIGHT POWER]가 [NORMAL]</p> <p>2. ISO/IEC 21118: 2020</p> <p>3. (American National Standards Institute)</p> <p>4. 50% ((PICTURE MODE): [DYNAMIC], [DYNAMIC CONTRAST] [2]). 50 %</p> <p>5. 4K (1920 x 1200 pixels)</p> <p>6. YPbPr 4K/60p 4K/50p 4:2:0</p> <p>7. ISO/IEC 21118: 2020 .ON 25</p> <p>8. °C(77 °F), 700 m(2,297 ft)</p> <p>9. 2,700 m(8,858 ft) : 700 m(2,297 ft) 36 °C(97 °F)<br/>700 m(2,297 ft) 1,400 m(4,593 ft) 34 °C(93 °F)<br/>1,400 m(4,593 ft) 2,100 m(6,890 ft) 32 °C(90 °F)<br/>2,100 m(6,890 ft) 2,700 m(8,858 ft) 30 °C(86 °F)</p> <p>10. Geo Pro</p> |