Panasonic CONNECT



## New LCD Laser Projectors Deliver Well-Balanced Color and Brightness with Seamless Integration into Corporate, Education, and Museum Environments

# PT-MZ780

The Series features PT-MZ880 (8,000 lm), PT-MZ780 (7,000 lm), and PT-MZ680 (6,000 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**

- Laser LCD, 7 000 lumens, WUXGA
- Compact and lightweight body, designed with ultra-low noise operation (26dB)
- Wide Lens shift area and Ultra-Short Throw lens to expand installation capability
- Edge Blending function to realize versatile space creation
- Significant contribution to sustainability thanks to low Power consumption and Washable Eco Filter

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# PT-MZ780

https://ap.connect.panasonic.com/my/en/products/projectors-and-displays/pt-mz780

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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˝) diagonal (16:10 aspect ratio) |
| **Display Device -> Drive method** | Active matrix method |
| **Display Device -> Number of pixels** | 2,304,000 (1920 x 1200) pixels x 3 |
| **Light source** | Laser diodes |
| **Light output** *1 *2 *3 | 7,000 lm |
| **Light output (ANSI)** *4 | 7,000 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** *6 | 20,000 hours [QUIET] |
| **Resolution** | WUXGA（1920 x 1200 ドット） |
| **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) (for supplied lens; optional lenses also available*4) |
| **Lens shift -> Horizontal(from center of screen)** | ±35 % (powered) (for supplied lens; optional lenses also available*4) |
| **Keystone correction range** | Vertical: ±25 °, Horizontal: ±30 ° (for supplied lens; optional lenses also available*4) |
| **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*5), 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*5 *6 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 Connector (Type A) x 1 (Output 5 V/2 A) |
| **Power supply** | AC 100–240 V, 50/60 Hz |
| **Maximum power consumption** *7 *8 *9 | 435 W (4.8–2.3 A) (460VA)(Power consumption is 415 W at 200–240 V) |
| **On-mode power consumption(Operating mode) -> Normal** *8 | [NORMAL] 395 W (100–120 V), 375 W (200–240 V) |
| **On-mode power consumption(Operating mode) -> Eco** *8 | [ECO] 285 W (100–120 V), 275 W (200–240 V) |
| **On-mode power consumption(Operating mode) -> Quiet** *8 | [QUIET] 280 W (100–120 V), 270 W (200–240 V) |
| **Cabinet materials** | Molded plastic |
| **Filter** | Included |

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| **Estimated filter maintenance cycle** | Approx. 20,000 hours |
| **Operation noise -> Normal** *3 | 32 dB [NORMAL] |
| **Operation noise -> Eco** *3 | 32 dB [ECO] |
| **Operation noise -> Quiet** *3 | 26 dB [QUIET] |
| **Dimensions (W x H x D)** | 561 x 224*8 x 439 mm (22 3/32" x 8 13/16"*8 x 17 9/32") (with supplied lens) |
| **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") |
| **Weight** *10 | Approx. 18.6 kg (41.0 lbs) (with supplied lens) |
| **Operating environment -> Operating temperature** *11 | 0–45 °C (32–113 °F) |
| **Operating Environment -> Operating humidity (No condensation)** | 20–80 % (no condensation) |
| **Applicable software** | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™, Geometry Manager Pro |
| **Body Colour** | Black/White |
| **Gross Dimensions (W x H x D in mm)** | MZ780WU/MZ780WEJ/MZ780BU/MZ780BEJ/MZ780WUY/MZ780BUY: 756 x 545 x 348 mm<br>MZ780W/MZ780B/MZ780WU7/MZ780BU7: 746 x 535 x 332 mm |
| **Gross Weight (Kg)** | MZ780WEJ/MZ780BEJ: 24.9 kg(54.8 lbs)<br>MZ780WU/MZ780BU: 24.4 kg(53.7 lbs)<br>MZ780WUY/MZ780BUY: 24.0 kg(53.0 lbs)<br>MZ780W/MZ780B: 23.4 kg(51.6 lbs)<br>MZ780WU7/MZ780BU7: 22.6 kg(49.8 lbs) |
| **NFC** | https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional |
| **EAN** | MZ780WEJ:5025232916160<br>MZ780BEJ:5025232916184<br>MZ780W:5025232916177<br>MZ780B:5025232916191 |
| **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. 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>5. Lens-shift range and keystone correction range may vary depending on lens.<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 signals input via DIGITAL LINK.<br>8. 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).<br>9. With legs at shortest position.<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. Some functions available in Geo Pro software are not supported by the PT-MZ880 Series. |