

# Panasonic



**Reduce Shadows, Enhance Flexibility with Eco-Friendly Short-Throw Projection**

## **PT-VMZ7ST**

Reduce Shadows, Enhance Flexibility with Eco-Friendly Short-Throw Projection

### **Key Features**

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Stress-free Installation Adapts to Various Layouts

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Clear Projection in Bright Spaces

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Eco-Friendly Design

**MEVIX**

## PT-VMZ7ST

<https://ap.pnd.panasonic.com/th/en/pt-vmz7st>

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|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Projector type</b>                                                   | LCD projectors                                                                                                                                                                                  |
| <b>Display method</b>                                                   | Transparent LCD panel (x 3, R/G/B)                                                                                                                                                              |
| <b>Display Device -&gt; Panel size</b>                                  | 0.64 inch (16:10 aspect ratio)                                                                                                                                                                  |
| <b>Display Device -&gt; Number of pixels</b>                            | 2,304,000 (1920 x 1200) pixels x 3                                                                                                                                                              |
| <b>Light source</b>                                                     | Laser diodes                                                                                                                                                                                    |
| <b>Light output *1 *2</b>                                               | VMZ7ST : 7,000 lm*2<br>VMZ6ST : 6,200 lm*2                                                                                                                                                      |
| <b>Light output (ANSI) *1 *3</b>                                        | VMZ7ST : 7,000 lm (ANSI)*3<br>VMZ6ST : 6,200 lm (ANSI)*3                                                                                                                                        |
| <b>Time until light output declines to 50 %<br/>-&gt; NORMAL *5</b>     | 20,000 hours [NORMAL]                                                                                                                                                                           |
| <b>Time until light output declines to 50 %<br/>-&gt; ECO *5</b>        | 24,000 hours [ECO]                                                                                                                                                                              |
| <b>Time until light output declines to 50 %<br/>-&gt; QUIET *5</b>      | 20,000 hours [QUIET]                                                                                                                                                                            |
| <b>Resolution</b>                                                       | WUXGA (1920 x 1200 pixels)                                                                                                                                                                      |
| <b>Contrast Ratio (typ.) *2</b>                                         | 5,000,000:1 (Full On/Full O) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)                                                                                    |
| <b>Screen size (diagonal)</b>                                           | 1.77-7.62 m (70-300 in), 16:10 aspect ratio                                                                                                                                                     |
| <b>Center-to-corner zone ratio *2</b>                                   | 85 %                                                                                                                                                                                            |
| <b>Lens</b>                                                             | 1.2x manual zoom (throw ratio: 0.797-1.01:1), powered focus, F 1.53-1.66, f 11.3-14.2 mm                                                                                                        |
| <b>Digital Zoom Extender *7</b>                                         | Throw Ratio 0.797-1.27:1*6 (Corresponding value. When used together with optical zoom.)                                                                                                         |
| <b>Lens shift -&gt; Vertical(from center of screen)</b>                 | +50 %                                                                                                                                                                                           |
| <b>Lens shift -&gt; Horizontal(from center of screen)</b>               | ±20 %                                                                                                                                                                                           |
| <b>Keystone correction range</b>                                        | Vertical ±25°, Horizontal ±35°                                                                                                                                                                  |
| <b>Terminals -&gt; HDMI™ IN</b>                                         | HDMI™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p*8 signal input), CEC supported*9                                                                                                     |
| <b>Terminals -&gt; COMPUTER IN (D-SUB 15pin)</b>                        | D-sub 15-pin (female) (RGB/Y/PbPr/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; SERIAL IN</b>                                        | D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)                                                                                                                               |
| <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 PJLink™ [Class 2], HDCP, Deep Color, 4K/30p*8 signal input)   |
| <b>Terminals -&gt; LAN</b>                                              | RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PJLink™ [Class 2]                                                                                                          |
| <b>Terminals -&gt; USB TYPE A</b>                                       | USB Connector Type A x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A*9)                                                              |
| <b>Protocol versions</b>                                                | IPv4, IPv6*10                                                                                                                                                                                   |
| <b>Power supply</b>                                                     | AC 100-240 V, 50/60 Hz                                                                                                                                                                          |
| <b>Maximum power consumption *13</b>                                    | 345 W (3.6 A) (350 VA) (Power consumption is 335 W at 200-240 V)                                                                                                                                |
| <b>On-mode power consumption(Operating mode) -&gt; Normal *13</b>       | 310 W (100-240 V), 295 W (200-240 V) [NORMAL]                                                                                                                                                   |
| <b>On-mode power consumption(Operating mode) -&gt; Eco *13</b>          | 235 W (100-240 V), 225 W (200-240 V) [ECO]                                                                                                                                                      |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet *13</b>        | 270 W (100-240 V), 260 W (200-240 V) [QUIET1]<br>230 W (100-240 V), 220 W (200-240 V) [QUIET2]                                                                                                  |
| <b>Built-in speaker</b>                                                 | 10 W monaural                                                                                                                                                                                   |
| <b>Cabinet materials</b>                                                | Molded plastic                                                                                                                                                                                  |
| <b>Filter *14</b>                                                       | Included                                                                                                                                                                                        |
| <b>Estimated filter maintenance cycle *12</b>                           | Approx. 20,000 hours                                                                                                                                                                            |
| <b>Operation noise -&gt; Normal</b>                                     | 37 dB [NORMAL]                                                                                                                                                                                  |
| <b>Operation noise -&gt; Eco</b>                                        | 37 dB [NORMAL]                                                                                                                                                                                  |
| <b>Operation noise -&gt; Quiet</b>                                      | 32 dB [QUIET1]<br>27 dB [QUIET2]                                                                                                                                                                |
| <b>Dimensions (W x H x D)</b>                                           | Approx. 414 x 120 x 424 mm (16 5/16" x 4 23/32" x 16 11/16" ) (not including protruding parts)<br>Approx. 414 x 167 x 424 mm (16 5/16" x 6 9/16" x 16 11/16" ) (with feet at shortest position) |
| <b>Weight *15</b>                                                       | Approx. 8.4 kg (18.52 lbs)                                                                                                                                                                      |
| <b>Operating environment -&gt; Operating temperature *16 *17</b>        | 0-45 °C (32-113 °F)*14, *15                                                                                                                                                                     |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 20-80 % (no condensation)                                                                                                                                                                       |
| <b>Applicable software</b>                                              | Multi Monitoring & Control Software, Projector Network Setup Software, Presenter Light Software for Windows®*16, Wireless Projector App for iOS/Android™*17                                     |
| <b>Terminals -&gt; SDI IN</b>                                           | -                                                                                                                                                                                               |
| <b>Terminals -&gt; DVI-D IN</b>                                         | -                                                                                                                                                                                               |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                  | -                                                                                                                                                                                               |

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| <b>Body Colour</b>                        | PT-VMZ7ST-WhitePT-VMZ7STEJ-WhitePT-VMZ7STJ-WhitePT-VMZ7STD8-WhitePT-VMZ7STB-BlackPT-VMZ7STBEJ-Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gross Dimensions (W x H x D in mm)</b> | VMZ7ST/VMZ7STB/VMZ7STJ/VMZ7STD8: Approx. 542 x 265 x 532 mmVMZ7STEJ/VMZ7STBEJ: Approx. 550 x 281 x 541 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gross Weight (Kg)</b>                  | VMZ7ST/VMZ7STB: 12.3 kg (27.1 lbs)VMZ7STEJ/VMZ7STBEJ: 13.4 kg (29.6 lbs)VMZ7STJ: 11.5 kg (25.4 lbs)VMZ7STD8: 12.8 kg (28.3 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>NFC</b>                                | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Active 3D</b>                          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>SDM</b>                                | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>EAN</b>                                | PT-VMZ7ST: 5025232969548<br>PT-VMZ7STEJ: 5025232969531<br>PT-VMZ7STB: 5025232969562<br>PT-VMZ7STBEJ: 5025232969555<br>PT-VMZ7STD8: 8887549898938                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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 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. Resolution decreases when using Digital Zoom Extender. Grid Correction, 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function.</li> <li>6. When Digital Zoom Extender is set to 80%.</li> <li>7. 4K signals are converted to the projector's resolution upon projection.</li> <li>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.</li> <li>9. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.</li> <li>10. The optional AJ-WM50 Series Wireless Module does not support IPv6.</li> <li>11. 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>12. Filter cleaning cycle varies depending on the environment. The filter can be washed and reused up to two times. Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>).</li> <li>13. Average value. May differ depending on the actual unit.</li> <li>14. Light output is limited at operating temperatures higher than 30 °C (86 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level.</li> <li>15. When the optional AJ-WM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F).</li> <li>16. When using Presenter Light Software, images are projected with 1280 x 800 dots or 1024 x 768 dots onto the screen. Also, your PC display resolution may be forcibly changed, and audio playback disrupted or become noisy while images and sound are being transmitted.</li> <li>17. When using the Wireless Projector app, display resolution differs depending on your iOS/Android™ device and the display device. The maximum supported display resolution is WXGA (1280 x 800).</li> </ol> |