



**Clear and Vivid 7,000 lm Projection from the Lightest and Smallest Body in Class**

## **PT-VMZ51**

Deliver clear, striking images in well-lit open meeting spaces and classrooms from the smallest and lightest LCD laser projector in its class. High 7,000 lm brightness, 3,000,000:1 contrast, and vivid color creates an engaging presentation experience.

### **Key Features**

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Compact and lightweight LCD laser projector

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Clear Images That Are Easy to See in Bright Rooms

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Installation Flexibility Adapts Projection to Any Space

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Smooth and Effortless Collaboration



## PT-VMZ51

<https://ap.connect.panasonic.com/th/en/products/projectors/pt-vmz51>

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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>                                     | 16.3 mm (0.64 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>   | 5,200 lm  |
| <b>Light output (ANSI)</b>   | 5,200 lm  |
| <b>Time until light output declines to 50 %</b>                            | 20,000 hours [NORMAL]   |
| <b>-&gt; NORMAL *4</b>   |   |
| <b>Time until light output declines to 50 %</b>                            | 24,000 hours [ECO]  |
| <b>-&gt; ECO *4</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.) *2</b>  | 3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)   |
| <b>Screen size (diagonal)</b>  | 0.76–7.62 m (30–300 in), 16:10 aspect ratio   |
| <b>Center-to-corner zone ratio</b>   | 85%   |
| <b>Lens</b>  | 1.6x manual zoom (throw ratio: 1.09–1.77:1), manual focus lens, F 1.60–2.12, f 15.30–24.64 mm   |
| <b>Digital Zoom Extender *5</b>  | Throw Ratio 1.09–2.21:1*5 (Corresponding value. When used together with optical zoom.)  |
| <b>Lens shift -&gt; Vertical(from center of screen)</b>                    | +44 %   |
| <b>Lens shift -&gt; Horizontal(from center of screen)</b>                  | ±20 %   |
| <b>Keystone correction range</b>   | Vertical: ±25 °, Horizontal: ±35 °  |
| <b>Installation</b>  | Ceiling/floor, front/rear, free 360-degree installation   |
| <b>Terminals -&gt; HDMI™ IN</b>  | HDMI™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p*6 signal input), CEC supported*7   |
| <b>Terminals -&gt; COMPUTER IN ( D-SUB 15pin )</b>                         | D-sub 15-pin (female) x 2(RGB/Y/P <sub>B</sub> /R/YC <sub>B</sub> /C <sub>R</sub> )   |
| <b>Terminals -&gt; AUDIO IN(M3 Stereo Mini Jack)</b>                       | M3 stereo mini-jack x 2   |
| <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 PLink™ [Class 2],HDCP, Deep Color, 4K/30p*6 signal input) |
| <b>Terminals -&gt; LAN</b>   | RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ [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*8)   |
| <b>Protocol versions</b>   | IPv4, IPv6*9  |
| <b>Power supply</b>  | AC 100 V–240 V, 50/60 Hz  |
| <b>Maximum power consumption *11</b>                                       | 305 W (3.1–1.3 A) (310 VA)(Power consumption is 295 W at 200–240 V)   |
| <b>On-mode power consumption(Operating mode) -&gt; Normal *11</b>          | [NORMAL]<br>270 W (100–120 V),<br>255 W (200–240 V)   |
| <b>On-mode power consumption(Operating mode) -&gt; Eco *11</b>             | [ECO]<br>195 W (100–120 V),<br>185 W (200–240 V)  |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet *11</b>           | [QUIET]<br>190 W (100–120 V),<br>180 W (200–240 V)  |
| <b>Built-in speaker</b>  | 10 W monaural   |
| <b>Cabinet materials</b>   | Molded plastic  |
| <b>Filter</b>  | Included  |
| <b>Estimated filter maintenance cycle *12</b>                              | Approx. 20,000 hours  |
| <b>Operation noise -&gt; Normal *2</b>                                     | 36 dB [NORMAL]  |
| <b>Operation noise -&gt; Eco *2</b>  | 36 dB [ECO]   |
| <b>Operation noise -&gt; Quiet *2</b>                                      | 26 dB [QUIET]   |
| <b>Dimensions (W x H x D)</b>  | 399 mm x 115 mm x 348 mm (15 23/32" x 4 17/32" x 13 11/16" ) (not including protruding parts)399 mm x 133 mm x 348 mm (15 23/32" x 5 1/4" x 13 11/16" ) (with feet at shortest position)    |
| <b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b> | 399 mm (15 23/32")  |

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| <b>Dimensions -&gt; Width (including protruding parts)</b>              | 399 mm (15 23/32")   |
| <b>Dimensions -&gt; Height (not including protruding parts)</b>         | 115 mm (4 17/32")  |
| <b>Dimensions -&gt; Height (including protruding parts)</b>             | 133 mm (5 1/4")  |
| <b>Dimensions -&gt; Depth (not including protruding parts)</b>          | 348 mm (13 11/16")   |
| <b>Dimensions -&gt; Depth (including lens)</b>                          | 348 mm (13 11/16")   |
| <b>Weight *13</b>   | Approx. 6.5 kg (14.33 lbs)   |
| <b>Operating environment -&gt; Operating temperature</b>                | 0-45 °C (32-113 °F)  |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 20-80 % (no condensation)  |
| <b>Applicable software</b>  | Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows®*15, Wireless Projector App for iOS/Android™*16  |
| <b>Footnote Description</b>   | <ol style="list-style-type: none"> <li>1. When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF].</li> <li>2. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped.</li> <li>3. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</li> <li>4. Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m3 of particulate matter). Estimated time until light output declines to 50 % varies depending on environment.</li> <li>5. Resolution decreases when using this function. 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function, and range of corner adjustment is limited.</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. Requires projector firmware Ver. 2.00 or higher. 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/m3), 10,000 hours (under dust conditions of 0.15 mg/m3).</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> |