



**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

PT-VMZ7ST

<https://ap.connect.panasonic.com/p/h/en/pt-vmz7st>

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

<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 PT-VMZ7STEJ: 5025232969531 PT-VMZ7STB: 5025232969562 PT-VMZ7STBEJ: 5025232969555 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>