



**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/id/en/products/projectors/pt-vmz51>

<b>Projector type</b>	LCD projectors
<b>LCD Panel   Panel Size</b>	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
<b>LCD Panel   Pixels</b>	2,304,000 (1920 x 1200) pixels
<b>Light Source</b>	Laser diode
<b>Light Output*1 *2</b>	5,200 lm
<b>Time until light output declines to 50 %*3</b>	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)
<b>Resolution</b>	WUXGA (1920 x 1200 pixels)
<b>Contrast Ratio*1</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*1</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 *4</b>	Throw ratio 1.09–2.21:15 (Corresponding value. When used together with optical zoom.)
<b>Lens shift   Vertical (from center of screen)</b>	+44 %, 0 % (manual)
<b>Lens shift   Horizontal (from center of screen)</b>	+20 %, -20 % (manual)
<b>Keystone Correction Range</b>	Vertical: ±25 °, Horizontal: ±35 °
<b>Terminals   HDMI 1/2 IN</b>	HDMI 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p6 signal input), CEC supported
<b>Terminals   Computer 1 In</b>	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)
<b>Terminals   Computer 2 In</b>	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)
<b>Terminals   AUDIO 1/2 IN</b>	M3 stereo mini-jack x 2
<b>Terminals   Variable Audio Out</b>	M3 stereo mini-jack x 1
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
<b>Terminals   DIGITAL LINK/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*6 signal input)
<b>Terminals   LAN</b>	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PJLink™ [Class 2]
<b>Terminals   USB(VIEWER/WIRELESS/DC OUT)</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*7 )
<b>Power Supply</b>	AC 100 V–240 V, 50/60 Hz
<b>Power consumption*8   Maximum power consumption</b>	305 W (3.1–1.3 A) (310 VA) (Power consumption is 295 W at 200–240 V)
<b>Power consumption*8   On-mode power consumption (Light Power) [Normal]</b>	270 W (100–120 V), 255 W (200–240 V)
<b>Power consumption*8   On-mode power consumption (Light Power) [Eco]</b>	195 W (100–120 V), 185 W (200–240 V)
<b>Power consumption*8   On-mode power consumption (Light Power) [Quiet]</b>	190 W (100–120 V), 180 W (200–240 V)
<b>Filter*9</b>	Included (Estimated maintenance time: approx. 20,000 hours)
<b>Built in Speaker</b>	10 W monaural
<b>Cabinet Materials</b>	Molded plastic
<b>Operation noise*1</b>	36 dB (NORMAL/ECO), 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>Operating Environment</b>	Operating temperature: 0–45 °C (32–113 °F)*11,*12 , Operating humidity: 20–80 % (no condensation)
<b>Weight with supplied lens*10</b>	Approx. 6.5 kg (14.33 lbs)
<b>Applicable Software</b>	Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows®*13, Wireless Projector App for iOS/Android™*14

**Note**

Note: Availability varies by country or region. \*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. \*2 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]. \*3 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/m<sup>3</sup> of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. \*4 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. \*5 When Digital Zoom Extender is set to 80%. \*6 4K signals are converted to the projector's resolution upon projection. \*7 On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. \*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). \*9 Filter cleaning cycle varies depending on environment. 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>). \*10 Average value. May differ depending on the actual unit. \*11 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. \*12 When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). \*13 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. \*14 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)