

5,000lm compact and cost-efficient LCD laser portable projector

PT-VMZ50

Designed for classrooms or meeting rooms use. 5,000 lumens, WUXGA, 1.6x zoom LCD projector



KEY FEATURES

- Laser LCD, 5,000 lumens, WUXGA.
- Compact and lightweight body bringing high brightness dynamic image
- Long lasting laser light source provide consistent brightness
- 1.6x zoom and wide horizontal and vertical lens shift for flexible installation
- Long lasting laser light source and low-maintenance design provide high brightness and superb image quality

5,000 lm compact and cost-efficient LCD laser projector, designed for long-lasting brightness and easy installation for education and corporate environments.

The world's smallest and lightest^{*1} compact design with long and reliable operation

The VMZ series uses Panasonic's unique cooling technology, making it the world's smallest and lightest^{*1} laser projector range in its lumens category. With a weight of less than 7.2kg (15.87 lbs), the compact body will fit into any room.

The laser light-source sustains bright images for 20,000 hours, eliminating the replacement hassles and maintenance costs associated with conventional lamps.



SPECIFICATIONS

Light output*1	5,000 lumens
Technology	Laser LCD
LCD panel Panel size (mm)	16 mm diagonal (16:10 aspect ratio)
LCD panel Panel size (inch)	0.64 inch diagonal (16:10 aspect ratio)
LCD Panel Display Method	Transparent LCD panel (x 3, R/G/B)
LCD Panel Drive Method	Active matrix
LCD Panel Pixels	2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels
Lens	1.6 x Manual zoom (throw ratio 1.09-1.77 :1), F = 1.60-2.12, f = 15.30-24.64 mm
Light Source	Laser diode
Screen size (diagonal) (mm)	0.76 - 7.62 m, 16:10 aspect ratio
Screen size (diagonal) (inch)	30-300 in, 16:10 aspect ratio
Center-to-Corner Uniformity*1	85 %
Contrast*1	3,000,000:1 (all white/all black) (Input signals:PC,LIGHT POWER:NORMAL,PICTURE MODE:DYNAMIC,DAYLIGHT WIEW:OFF,DYNAMIC CONTRAST:[1],AUTO POWER SAVE:OFF)
Resolution	1920 x 1200 pixels
Optical axis shift Vertical (from center of screen)	0 % - +44 % (Manual)
Optical axis shift Horizontal (from center of screen)	- 20% - +20% (Manual)
Keystone correction range*2	Vertical: ±25°, Horizontal: ±35°
Installation	Horizontal/Vertical, free 360-degree installation
Terminals HDMI 1/2 IN	HDMI 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p signal input)
Terminals Computer 1 In	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)
Terminals COMPUTER 2 IN / MONITOR OUT	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR) (input/output switching)
Terminals Video In	Pin jack x 1
Terminals AUDIO 1/2 IN	M3 stereo mini-jack x 2
Terminals AUDIO 3 IN	Pin jack (L/R) x 1
Terminals Variable Audio Out	M3 stereo mini-jack x 1
Terminals Serial In	D-sub 9-pin x 1 for computer control (RS-232C compliant)
Terminals LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ (Class 2)
Terminals DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection, HDBase-T™ complian, 100Base-TX, compatible with PLink™ (Class 2), HDCP, Deep Color, 4K/30p signal input
Terminals USB CONNECTOR	USB connector (Type A) x 1 for Memory Viewer function, power supply (DC5V, maximum 2A*3), optional wireless module AJ-WM50
Power Supply	AC 100-240 V AC, 50/60 Hz
Power Consumption	TBD
Built-in Speaker	10 W (monaural)
Operating noise*1	NORMAL: 37dB, QUIET: 29dB
Cabinet Materials	Molded plastic
Filter	Included Filter cleaning cycle: 20,000 hours (0.08 mg/m3 of particulate matter), 10,000 hours (0.15 mg/m3 of particulate matter)

Dimensions (W x H x D) (mm)	399 x 115 x 348 mm (Not including protruding parts)399 x 133 x 348 mm (With feet at shortest position)
Dimensions (W x H x D) (inch)	15 23/32 x 4 17/32 x 13 11/16 inch (Not including protruding parts)15 23/32 x 5 1/4 x 13 11/16 inch (With feet at shortest position)
Weight (kg)*4	7.2 kg
Weight (lbs.)*4	15.87 lbs.
Operating environment (/M)	Operating temperature: 0 °C- 45 °C, operating humidity: 20 %-80 % (no condensation)
Operating environment (°F/Feet)	Operating temperature: 32 °F -113 °F, operating humidity: 20 %-80 % (no condensation)
Applicable software/application	Logo Transfer Software, Multi Monitoring & Control Software, Presenter Light for Windows®, Wireless Projector Apps for iOS/Android™
Note	*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMALMode, Dynamic Contrast [2], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *3 On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.*4 Average value. May differ depending on the actual unit.