Panasonic



Compact, Lightest-in-Class LCD Projectors Deliver Up to 5,200 lm for Clear, Vivid Images in Well-Lit Classrooms and Offices

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

- Compact and lightweight LCD laser projector
- Clear Images That Are Easy to See in Bright Rooms
- Installation Flexibility Adapts Projection to Any Space
- Smooth and Effortless Collaboration

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https://ap.pnd.panasonic.com/sg/en/pt-vmz51

Projector type	LCD projectors
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Panel size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
Display Device -> Drive method	Active matrix method
Display Device -> Number of pixels	2,304,000 (1920 x 1200) pixels
Light source	Laser diodes
Light output *1 *2	5,200 lm
Light output (ANSI) *1 *3	5,200 lm
Time until light output declines to 50 % -> NORMAL *5	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *5	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET *5	20,000 hours [QUIET]
Resolution	WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) *2	3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)
Screen size (diagonal)	0.76–7.62 m (30–300 in), 16:10 aspect ratio
Center-to-corner zone ratio *2	85%
Lens	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
Digital Zoom Extender *6	Throw Ratio 1.09–2.21:1*5 (Corresponding value. When used together with optical zoom.)
Lens shift -> Vertical(from center of screen)	+44 %
Lens shift -> Horizontal(from center of screen)	±20 %
Keystone correction range	Vertical: ±25 °, Horizontal: ±35 °
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI™ IN	HDMI™™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p*6 signal input), CEC supported*7
Terminals -> COMPUTER IN (D-SUB 15pin)	D-sub 15-pin (female) x 2(RGB/YP_BP_R/YC_BC_R)
Terminals -> AUDIO IN(M3 Stereo Mini Jack)	M3 stereo mini-jack x 2
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) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2],HDCP, Deep Color, 4K/30p*6 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*8)
Protocol versions	IPv4, IPv6*9
Power supply	AC 100 V–240 V, 50/60 Hz
Maximum power consumption *12	305 W (3.1–1.3 A) (310 VA)(Power consumption is 295 W at 200–240 V)
On-mode power consumption(Operating mode) -> Normal *12	[NORMAL] 270 W (100–120 V), 255 W (200–240 V)
On-mode power consumption(Operating mode) -> Eco *12	[ECO] 195 W (100–120 V), 185 W (200–240 V)
On-mode power consumption(Operating mode) -> Quiet *12	[QUIET] 190 W (100–120 V), 180 W (200–240 V)
Built-in speaker	10 W monaural
Cabinet materials	Molded plastic
Filter *13	Included
Estimated filter maintenance cycle	Approx. 20,000 hours
Operation noise -> Normal *2	36 dB [NORMAL]
Operation noise -> Eco *2	36 dB [ECO]
Operation noise -> Quiet *2	26 dB [QUIET]
Body Colour	White

Dimensions (W x H x D)	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)
Dimensions (W x H x D) -> Width (not including protruding parts)	399 mm (15 23/32″)
Dimensions -> Width (including protruding parts)	399 mm (15 23/32″)
Dimensions -> Height (not including protruding parts)	115 mm (4 17/32″)
Dimensions -> Height (including protruding parts)	133 mm (5 1/4″)
Dimensions -> Depth (not including protruding parts)	348 mm (13 11/16″)
Dimensions -> Depth (including lens)	348 mm (13 11/16″)
Gross Dimensions (W x H x D in mm)	VMZ51EJ: 563 x 447 x 262 mm VMZ51: 555 x 439 x 246 mm
Weight *14	Approx. 6.5 kg (14.33 lbs)
Gross Weight (Kg)	VMZ51EJ: 10.2 kg(22.5 lbs) VMZ51: 9.3 kg(20.4 lbs)
Operating environment -> Operating temperature *15 *16	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	20–80 % (no condensation)
Applicable software	Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows®*15, Wireless Projector App for iOS/Android™*16
NFC	No
EAN	VMZ51: 5025232923335 VMZ51EJ: 5025232923342
Terminals -> SDI IN	—
Terminals -> DVI-D IN	—
Terminals -> DisplayPort™ IN	—
Active 3D	No
SDM	No
Light output (Center) *1 *4	5,500 lm

Footnote Description	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]. 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. 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. 4. Average light-output value of all shipped products measured at the center of screen in NORMAL Mode. 5. 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. 6. 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. 7. When Digital Zoom Extender is set to 80%. 8. 4K signals are converted to the projector's resolution upon projection. 9. Depending on the connected CEC command-compatible device, the link control may not operate normally. 10. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. 11. Requires projector firmware Ver. 2.00 or higher. The optional AJ-WM50 Series Wireless Module does not support IPv6. 12. 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). 13. 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). 14. with supplied lens. Average value. May differ depending on the actual unit. 15. 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. 16. When the optional AJ-WM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). 17. 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. 18. 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). 19. PT-VMZ5ES has one AUDIO input only.