



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

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



PT-VMZ51

<https://ap.pnd.panasonic.com/th/en/pt-vmz51>

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| 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) | 5,200 lm |
| 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 | 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 *5 | 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/Y/P _B /Y/C _B /C _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)(HDBase™ compliant), 100Base-TX (Compatible with PLink™ [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 PLink™ [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 *11 | 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 *11 | [NORMAL] 270 W (100–120 V), 255 W (200–240 V) |
| On-mode power consumption(Operating mode) -> Eco *11 | [ECO] 195 W (100–120 V), 185 W (200–240 V) |
| On-mode power consumption(Operating mode) -> Quiet *11 | [QUIET] 190 W (100–120 V), 180 W (200–240 V) |
| Built-in speaker | 10 W monaural |
| Cabinet materials | Molded plastic |
| Filter *12 | 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 | Black/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) |

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| 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) | VMZ51U/VMZ51EJ/VMZ51U7/VMZ51SU7: 563 x 447 x 262 mm VMZ51: 555 x 439 x 246 mm |
| Weight *13 | Approx. 6.5 kg (14.33 lbs) |
| Gross Weight (Kg) | VMZ51EJ: 10.2 kg (22.5 lbs) VMZ51U: 10.1 kg (22.2 lbs) VMZ51U7/VMZ51SU7: 9.8 kg (21.6 lbs) VMZ51: 9.3 kg (20.4 lbs) |
| Operating environment -> Operating temperature *14 *15 | 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 | https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional |
| EAN | VMZ51: 5025232923335 VMZ51EJ: 5025232923342 |
| Footnote Description | <ol style="list-style-type: none"> 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]. 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. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 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. 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. When Digital Zoom Extender is set to 80%. 4K signals are converted to the projector's resolution upon projection. Depending on the connected CEC compatible device, the link control may not operate normally. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. Requires projector firmware Ver. 2.00 or higher. The optional AJ-WM50 Series Wireless Module does not support IPv6. 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). 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). Average value. May differ depending on the actual unit. 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. When the optional AJ-WM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). 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. 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). |