Panasonic



PT-CMZ50

3LCD laser projector with 5,200 ANSI lumens and WUXGA (1,920 x 1,200) resolution. Ultra-short throw ratio of 0.235:1. Operating noise: 34 dB (Normal/Eco), 25 dB (Quiet). Supports 16:9, 21:9, and 27:9 formats, accepts 4K input, and offers optional wireless content sharing. Compact and lightweight at 9,5 kg kg with dimensions of 495 × 176 × 421 mm. Color: black / white.

Key Features

- Project Large Images in Rooms with Limited Space
- Simplified Installation, Setup, and Adjustment
- Stress-free Daily Operation

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https://ap.pnd.panasonic.com/ph/en/pt-cmz50

Projector type	LCD projector
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)	2.03–3.05 m (80–120 in) (16:10 aspect ratio)
Center-to-corner zone ratio *2	85%
Lens	Fixed zoom, powered focus lens, F = 1.7, f = 2.81 mm, throw ratio: 0.235:1 (16:10 aspect ratio)(Projection distance: 1 cm [1/3 in] for 80-inch image)
Digital Zoom Extender *7	Throw ratio 0.235–0.288:1*5 (16:10 aspect ratio) (Corresponding value)
Keystone correction range	Vertical: ±3 °, Horizontal: ±3 °
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI™ IN	HDMI™ 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal input), CEC supported*7
Terminals -> HDMI™ OUT	HDMI™ 19-pin x 1 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal output)
Terminals -> COMPUTER IN（D-SUB 15pin）	D-sub 15-pin (female) x 1 (RGB/YPBPR/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) (HDBaseT™ 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)
Protocol versions	IPv4, IPv6*8
Power supply	AC 100–240 V, 50/60 Hz
Maximum power consumption *13	325 W (3.4–1.4 A) (330 VA) (Power consumption is 310 W at AC 200–240 V)
On-mode power consumption(Operating mode) -> Normal *13	[NORMAL]290 W (AC 100–120 V), 280 W (AC 200–240 V)
On-mode power consumption(Operating mode) -> Eco *13	[ECO]215 W (AC 100–120 V), 205 W (AC 200–240 V)
On-mode power consumption(Operating mode) -> Quiet *13	[QUIET]210 W (AC 100–120 V), 200 W (AC 200–240 V)
Built-in speaker	10 W monaural
Cabinet materials	Molded plastic
Filter *14	Included
Estimated filter maintenance cycle *12	Approx. 20,000 hours
Operation noise -> Normal	34 dB [NORMAL]
Operation noise -> Eco	34 dB [ECO]
Operation noise -> Quiet	25 dB [QUIET]
Body Colour	PT-CMZ50-WhitePT-CMZ50EJ-WhitePT-CMZ50B-BlackPT-CMZ50BEJ-Black
Dimensions (W x H x D)	Approx. 495 mm x 160 mm x 421 mm (19 1/2″ x 6 19/64″ x 16 37/64″) (excluding feet and protrusions), Approx. 495 mm x 176 mm x 421 mm (19 1/2″ x 6 15/16″ x 16 37/64″) (with feet at shortest position)
Dimensions (W x H x D) -> Width (not including protruding parts)	495 mm (19 1/2″)
Dimensions -> Width (including protruding parts)	495 mm (19 1/2″)

Dimensions -> Height (not including protruding parts)	160 mm (6 19/64″)
Dimensions -> Height (including protruding parts)	176 mm (6 15/16″)
Dimensions -> Depth (not including protruding parts)	421 mm (16 37/64″)
Dimensions -> Depth (including lens)	421 mm (16 37/64″)
Gross Dimensions (W x H x D in mm)	CMZ50EJ/CMZ50BEJ: 647 x 512 x x270 mm CMZ50/CMZ50B: 637 x 502 x 256 mm
Weight *15	Approx. 9.5 kg (20.9 lbs)
Gross Weight (Kg)	CMZ50EJ/CMZ50BEJ: 13.7 kg(30.2 lbs) CMZ50/CMZ50B: 12.5 kg(27.6 lbs)
Operating environment -> Operating temperature *16 *17	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, Projector Network Setup Software,Presenter Light Software for Windows®*13, Wireless Projector App for iOS/Android™*14
NFC	No
Control function via LAN	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery
EAN	CMZ50: 5025232944088 CMZ50EJ: 5025232944095 CMZ50B: 5025232944101 CMZ50BEJ: 5025232944118
Lens shift -> Vertical(from center of screen)	—
Lens shift -> Horizontal(from center of screen)	—
Terminals -> SDI IN	—
Terminals -> DVI-D IN	—
Terminals -> DisplayPort™ IN	—
Active 3D	No
SDM	No

Footnote Description

1. When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], and [SYSTEM DAYLIGHT VIEW] is set to [OFF].
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.
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. 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.
5. Resolution decreases when using Digital Zoom Extender. Some screen-correction functions are not available when using this function, and range of corner adjustment is limited.
6. When Digital Zoom Extender is set to 80 %.
7. Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots (1920 x 1200 dots).
8. Depending on the connected CEC command-compatible device, the link control may not operate normally.
9. Main version of the firmware must be 2.00 or higher. Optional wireless module AJ-WM50 does not support IPv6.
10. 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).
11. 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/m3), 10,000 hours (under dust conditions of 0.15 mg/m3).
12. Average value. May differ depending on the actual unit.
13. 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 optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F).
14. 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.
15. 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).