



PT-CMZ50

Laser Projector Delivers Big Pictures from Ultra-Short Distances with Minimal Shadowing, Easy Installation, and Convenient Adjustment

Key Features

Project Large Images in Rooms with Limited Space

Simplified Installation, Setup, and Adjustment

Stress-free Daily Operation





PT-CMZ50

<https://latam.connect.panasonic.com/br/en/products/projectors/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	5,200 lm
Light output (ANSI)	5,200 lm
Time until light output declines to	20,000 hours [NORMAL]
50 % -> NORMAL *3	
Time until light output declines to	24,000 hours [ECO]
50 % -> ECO *3	
Time until light output declines to	20,000 hours [QUIET]
50 % -> QUIET *6	
Resolution	WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) *1	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 *1	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 *5	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*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)
Protocol versions	IPv4, IPv6*8
Power supply	AC 100-240 V, 50/60 Hz
Maximum power consumption	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	[NORMAL] 290 W (AC 100-120 V), 280 W (AC 200-240 V)
On-mode power consumption(Operating mode) -> Eco	[ECO] 215 W (AC 100-120 V), 205 W (AC 200-240 V)
On-mode power consumption(Operating mode) -> Quiet *9	[QUIET] 210 W (AC 100-120 V), 200 W (AC 200-240 V)
Built-in speaker	10 W monaural
Cabinet materials	Molded plastic
Filter	Included
Estimated filter maintenance cycle	Approx. 20,000 hours
Operation noise -> Normal *1	34 dB [NORMAL]
Operation noise -> Eco *3	34 dB [ECO]
Operation noise -> Quiet *1	25 dB [QUIET]
Dimensions (W x H x D)	495 mm x 160 mm x 421 mm (19 1/2" x 6 19/64" x 16 37/64") (excluding feet and protrusions), 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")
Weight *7	Approx. 9.5 kg (20.9 lbs)
Operating environment ->	0-45 °C (32-113 °F)
Operating temperature *8 *9	
Operating Environment ->	20-80 % (no condensation)
Operating humidity (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
Control function via LAN	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery
Footnote Description	<p>1. When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], and [SYSTEM DAYLIGHT VIEW] is set to [OFF].</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>6. When Digital Zoom Extender is set to 80 %.</p> <p>7. Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots (1920 x 1200 dots).</p> <p>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.</p> <p>9. Main version of the firmware must be 2.00 or higher. Optional wireless module AJ-WM50 does not support IPv6.</p> <p>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).</p> <p>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).</p> <p>12. Average value. May differ depending on the actual unit.</p> <p>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).</p> <p>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.</p> <p>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).</p>

Body Colour	Black/White
Gross Dimensions (W x H x D in mm)	CMZ50U/CMZ50EJ/CMZ50BU/CMZ50BEJ: 647 x 512 x 270 mm CMZ50/CMZ50B: 637 x 502 x 256 mm
Gross Weight (Kg)	CMZ50EJ/CMZ50BEJ: 13.7 kg(30.2 lbs) CMZ50U/CMZ50BU: 13.5 kg(29.8 lbs) CMZ50/CMZ50B: 12.5 kg(27.6 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
EAN	CMZ50: 5025232944088 CMZ50EJ: 5025232944095 CMZ50B: 5025232944101 CMZ50BEJ: 5025232944118