

# 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 with dimensions of 495 × 176 × 421 mm. Color: black / white.

### Key Features

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<https://ap.pnd.panasonic.com/kr/ko/pt-cmz50>

<b>Projector type</b>	LCD projector
<b>Display method</b>	Transparent LCD panel (x 3, R/G/B)
<b>Display Device -&gt; Panel size</b>	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
<b>Display Device -&gt; Drive method</b>	Active matrix method
<b>Display Device -&gt; Number of pixels</b>	2,304,000 (1920 x 1200 pixels)
<b>Light source</b>	Laser diodes
<b>Light output *1 *2</b>	5,200 lm
<b>Light output (ANSI) *1 *3</b>	5,200 lm
<b>Time until light output declines to 50 % *20,000 [NORMAL]</b> -> NORMAL *5	
<b>Time until light output declines to 50 % *24,000 [ECO]</b> -> ECO *5	
<b>Time until light output declines to 50 % *20,000 hours [QUIET]</b> -> QUIET *5	
<b>Resolution *6</b>	WUXGA (1920 x 1200 pixels)
<b>Contrast Ratio (typ.)</b>	3,000,000:1 (Full On/Full Off) ([PICTURE MODE]가 [DYNAMIC CONTRAST]가 [1] ) [DYNAMIC]
<b>Screen size (diagonal)</b>	2.03-3.05 m (80-120 in) (16:10 aspect ratio)
<b>Center-to-corner zone ratio</b>	85%
<b>Lens</b>	, F = 1.7, f = 2.81 mm, throw ratio: 0.235:1 (16:10 aspect ratio) ( 1 cm [1/3 ] )
<b>Digital Zoom Extender *7</b>	Throw ratio 0.235-0.288:1*5 (16:10 aspect ratio) ( )
<b>Keystone correction range</b>	: ±3 °, : ±3 °
<b>Installation</b>	/ , / , 360
<b>Terminals -&gt; HDMI™ IN</b>	HDMI™ 19 x 2 (HDCP 1.4 , Deep Color, 4K/30p*6 ), CEC *7
<b>Terminals -&gt; HDMI™ OUT</b>	HDMI™ 19 x 1 (HDCP 1.4 , Deep Color, 4K/30p*6 )
<b>Terminals -&gt; COMPUTER IN (D-SUB 15pin)</b>	D- 15 (female) x 1 (RGB/YBPB/YCBCR)
<b>Terminals -&gt; AUDIO IN (M3 Stereo Mini Jack)</b>	M3 stereo mini-jack x 1
<b>Terminals -&gt; AUDIO OUT (M3 Stereo Mini Jack)</b>	M3 stereo mini-jack x 1
<b>Terminals -&gt; SERIAL IN</b>	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
<b>Terminals -&gt; DIGITAL LINK IN / LAN</b>	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], HDCP, Deep Color, 4K/30p*8 signal input)
<b>Terminals -&gt; LAN</b>	RJ-45 x 1, 10Base-T, 100Base-TX, PLink™ [Class 2]
<b>Terminals -&gt; USB TYPE A</b>	USB ( A) x 1, AJ-WM50 , (DC 5 V, 2 A)
<b>Protocol versions</b>	IPv4, IPv6*8
<b>Power supply</b>	AC 100-240 V, 50/60 Hz
<b>Maximum power consumption *13</b>	325W (3.4-1.4 A) (330 VA) (AC 200-240 V 310 W)
<b>On-mode power consumption (Operating mode) -&gt; Normal *13 *14</b>	[NORMAL] 290W (AC 100-120 V), 280W (AC 200-240 V)
<b>On-mode power consumption (Operating mode) -&gt; Eco *13 *14</b>	[ECO] 215W (AC 100-120 V), 205 W (AC 200-240 V)
<b>On-mode power consumption (Operating mode) -&gt; Quiet *13 *14</b>	[QUIET] 210W ( 100-120 V), 200 W ( 200-240 V)
<b>Built-in speaker</b>	10 W monaural
<b>Cabinet materials</b>	Molded plastic
<b>Filter *15</b>	Included
<b>Estimated filter maintenance cycle</b>	20,000
<b>Operation noise -&gt; Normal</b>	34 dB [NORMAL]
<b>Operation noise -&gt; Eco</b>	34 dB [ECO]
<b>Operation noise -&gt; Quiet</b>	25 dB [QUIET]
<b>Body Colour</b>	PT-CMZ50-White PT-CMZ50EJ-White PT-CMZ50B-Black PT-CMZ50BEJ-Black
<b>Dimensions (W x H x D)</b>	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)
<b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b>	495 mm (19 1/2")
<b>Dimensions -&gt; Width (including protruding parts)</b>	495 mm (19 1/2")
<b>Dimensions -&gt; Height (not including protruding parts)</b>	160 mm (6 19/64")

<b>Dimensions -&gt; Height (including protruding parts)</b>	176 mm (6 15/16")
<b>Dimensions -&gt; Depth (not including protruding parts)</b>	421 mm (16 37/64")
<b>Dimensions -&gt; Depth (including lens)</b>	421 mm (16 37/64")
<b>Gross Dimensions (W x H x D in mm)</b>	CMZ50EJ/CMZ50BEJ: 647 x 512 x 270 mm CMZ50/CMZ50B: 637 x 502 x 256 mm
<b>Weight *16</b>	9.5 kg (20.9 lbs)
<b>Gross Weight (Kg)</b>	CMZ50EJ/CMZ50BEJ: 13.7 kg(30.2 lbs) CMZ50/CMZ50B: 12.5 kg(27.6 lbs)
<b>Operating environment -&gt; Operating temperature *17 *18</b>	0-45 °C (32-113 °F)
<b>Operating Environment -&gt; Operating humidity (No condensation)</b>	20-80 % (no condensation)
<b>Applicable software</b>	*13, iOS/Android™, *14, Windows® Presenter Light
<b>NFC</b>	No
<b>Control function via LAN</b>	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery
<b>EAN</b>	CMZ50: 5025232944088 CMZ50EJ: 5025232944095 CMZ50B: 5025232944101 CMZ50BEJ: 5025232944118
<b>Lens shift -&gt; Vertical(from center of screen)</b>	—
<b>Lens shift -&gt; Horizontal(from center of screen)</b>	—
<b>Terminals -&gt; SDI IN</b>	—
<b>Terminals -&gt; DVI-D IN</b>	—
<b>Terminals -&gt; DisplayPort™ IN</b>	—
<b>Active 3D</b>	No
<b>SDM</b>	No
<b>Footnote Description</b>	<p>1. [PICTURE MODE]가 [DYNAMIC], [LIGHT POWER] [NORMAL], [SYSTEM DAYLIGHT VIEW] [OFF]</p> <p>2. , , ISO/IEC 21118: 2020</p> <p>3. , , (American National Standards Institute)</p> <p>4. 50% ((PICTURE MODE): [DYNAMIC], [DYNAMIC CONTRAST] [2], 30 °C(86 °F), 700 m (2,297 ft), 0.15 mg/m3, 50 %</p> <p>5. Digital Zoom Extender</p> <p>6. Digital Zoom Extender 80 %</p> <p>7. 4K/30p (1920 × 1200 )</p> <p>8. CEC</p> <p>9. 2.00 가 AJ-WM50 IPv6</p> <p>10. , , ISO/IEC 21118: 2020 .ON 25 °C(77 °F), 700 m(2,297 ft)</p> <p>11. 0.08 mg/m3), 10,000 ( 0.15 mg/m3 ). :20,000 (</p> <p>12.</p> <p>13. 30 °C(86 °F) , 2,700 m(8,858 ft)</p> <p>14. Presenter Light Software 1280 × 800 1024 × 768 가 , PC</p> <p>15. , iOS/Android™ WXGA(1280 × 800)</p>