



## 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-CM250

<https://latam.connect.panasonic.com/pe/es/productos/proyectores/pt-cm250>

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| <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) *3</b>  | 5,200 lm  |
| <b>Time until light output declines to 50 %20,000 hours [NORMAL] -&gt; NORMAL *5</b> |   |
| <b>Time until light output declines to 50 %24,000 hours [ECO] -&gt; ECO *5</b>       |   |
| <b>Time until light output declines to 50 %20,000 hours [QUIET] -&gt; QUIET *5</b>   |   |
| <b>Resolution</b>  | WUXGA (1920 x 1200 pixels)  |
| <b>Contrast Ratio (typ.) *2</b>  | 3,000,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)  |
| <b>Screen size (diagonal)</b>  | 2.03–3.05 m (80–120 in) (16:10 aspect ratio)  |
| <b>Center-to-corner zone ratio *2</b>  | 85%   |
| <b>Lens</b>  | 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)   |
| <b>Digital Zoom Extender *5</b>  | Throw ratio 0.235–0.288:1*5 (16:10 aspect ratio) (Corresponding value)  |
| <b>Keystone correction range</b>   | Vertical: ±3 °, Horizontal: ±3 °  |
| <b>Installation</b>  | Ceiling/floor, front/rear, free 360-degree installation   |
| <b>Terminals -&gt; HDMI™ IN</b>  | HDMI™ 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal input), CEC supported*7   |
| <b>Terminals -&gt; HDMI™ OUT</b>   | HDMI™ 19-pin x 1 (Compatible with HDCP 1.4, Deep Color, 4K/30p*6 signal output)   |
| <b>Terminals -&gt; COMPUTER IN ( D-SUB 15pin )</b>                                   | D-sub 15-pin (female) x 1 (RGB/YPBPR/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*6 signal input) |
| <b>Terminals -&gt; LAN</b>   | RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ [Class 2]   |
| <b>Terminals -&gt; USB TYPE A</b>  | USB connector (Type A) x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A)  |
| <b>Protocol versions</b>   | IPv4, IPv6*8  |
| <b>Power supply</b>  | AC 100–240 V, 50/60 Hz  |
| <b>Maximum power consumption *9</b>  | 325 W (3.4–1.4 A) (330 VA) (Power consumption is 310 W at AC 200–240 V)   |
| <b>On-mode power consumption(Operating mode) -&gt; Normal *9</b>                     | [NORMAL]290 W (AC 100–120 V), 280 W (AC 200–240 V)  |
| <b>On-mode power consumption(Operating mode) -&gt; Eco *9</b>                        | [ECO]215 W (AC 100–120 V), 205 W (AC 200–240 V)   |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet *9</b>                      | [QUIET]210 W (AC 100–120 V), 200 W (AC 200–240 V)   |
| <b>Built-in speaker</b>  | 10 W monaural   |
| <b>Cabinet materials</b>   | Molded plastic  |
| <b>Filter</b>  | Included  |
| <b>Estimated filter maintenance cycle</b>  | Approx. 20,000 hours  |
| <b>Operation noise -&gt; Normal *2</b>   | 34 dB [NORMAL]  |
| <b>Operation noise -&gt; Eco *2</b>  | 34 dB [ECO]   |
| <b>Operation noise -&gt; Quiet *2</b>  | 25 dB [QUIET]   |
| <b>Dimensions (W x H x D)</b>  | 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)        |
| <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")   |

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| <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>Weight *10</b>   | Approx. 9.5 kg (20.9 lbs)   |
| <b>Operating environment -&gt; Operating temperature *11</b>            | 0–45 °C (32–113 °F)   |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b> | 20–80 % (no condensation)   |
| <b>Applicable software</b>  | Multi Monitoring & Control Software, Logo Transfer Software, Projector Network Setup Software, Presenter Light Software for Windows®*13, Wireless Projector App for iOS/Android™*14   |
| <b>Control function via LAN</b>   | PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery  |
| <b>Footnote Description</b>   | <ol style="list-style-type: none"> <li>1. When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], and [SYSTEM DAYLIGHT VIEW] is set to [OFF].</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>6. When Digital Zoom Extender is set to 80 %.</li> <li>7. Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots (1920 x 1200 dots).</li> <li>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.</li> <li>9. Main version of the firmware must be 2.00 or higher. Optional wireless module AJ-WM50 does not support IPv6.</li> <li>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).</li> <li>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).</li> <li>12. Average value. May differ depending on the actual unit.</li> <li>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).</li> <li>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.</li> <li>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).</li> </ol> |