Panasonic



## Revitalize Communication with 4,000-lm-class WUXGA Portable Laser Projectors

# PT-LMZ460

4,000-lm-class SOLID SHINE Laser Projectors Revitalize Communication with WUXGA Images

**Key Features**

- Effortless Projection Anywhere, Anytime
- Efficient, Reliable, and Cost-Effective
- SOLID SHINE for Clear Images in Bright Light

Panasonic



# PT-LMZ460

https://ap.pnd.panasonic.com/sg/en/products/projectors/pt-lmz460

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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 | 4,600 lm |
| **Light output (ANSI)** *3 | 4,600 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** | 1.2x manual zoom (throw ratio: 1.36–1.64:1), manual focus lens, F 1.61–1.76, f 19.1–23.0 mm |
| **Digital Zoom Extender** *5 | Throw ratio: 1.36–2.05:1*5 (Corresponding value. When used together with optical zoom.) |
| **Keystone correction range** | Vertical: ±25 ° (Auto, Manual),<br>Horizontal: ±35 ° (Manual) |
| **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 -> COMPUTER IN (D-SUB 15pin)** | D-sub 15-pin (female) x 1 (RGB/$YP_BP_R$/$YC_BC_R$) |
| **Terminals -> COMPUTER OUT (D-SUB 15pin)** | D-sub 15-pin (female) x 1 (RGB/$YP_BP_R$/$YC_BC_R$) |
| **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 -> LAN** | RJ-45 x 1 for network control, 10Base-T, 100Base-TX |
| **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 | 240 W |
| **On-mode power consumption(Operating mode) -> Normal** *11 | [NORMAL]<br>215 W (100–240 V),<br>205 W (200–240 V) |
| **On-mode power consumption(Operating mode) -> Eco** *11 | [ECO]<br>165 W (100–240 V),<br>160 W (200–240 V) |
| **On-mode power consumption(Operating mode) -> Quiet** *11 | [QUIET]<br>160 W (100–240 V),<br>155 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 | 35 dB [NORMAL] |
| **Operation noise -> Eco** *2 | 35 dB [ECO] |
| **Operation noise -> Quiet** *2 | 24 dB [QUIET] |
| **Body Colour** | White |
| **Dimensions (W x H x D)** | 349 mm x 105 mm x 309 mm (13 3/4″ x 4 1/8″ x 12 5/32″ ) (with feet at shortest position) |
| **Dimensions -> Width (including protruding parts)** | 349 mm (13 3/4″) |
| **Dimensions -> Height (including protruding parts)** | 105 mm (4 1/8″) |

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|---|---|
| **Dimensions -> Depth (including lens)** | 309 mm (12 5/32″) |
| **Gross Dimensions (W x H x D in mm)** | LMZ460EJ: 507 x 402 x 222 mm<br>LMZ460: 497 x 392 x 210 mm |
| **Weight** *13 | Approx. 4.2 kg (9.26 lbs) |
| **Gross Weight (Kg)** | LMZ460EJ: 7.4 kg(16.3 lbs)<br>LMZ460: 6.6 kg(14.6 lbs) |
| **Operating environment -> Operating temperature** *14 | 0–45 °C (32–113 °F) |
| **Operating Environment -> Operating humidity (No condensation)** | 20–80 % (no condensation) |
| **Applicable software** | Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software,Presenter Light Software for Windows®*14, Wireless Projector App for iOS/Android™*15 |
| **NFC** | No |
| **Control function via LAN** | PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery |
| **EAN** | LMZ460: 5025232931521<br>LMZ460EJ: 5025232931538 |
| **Lens shift -> Vertical(from center of screen)** | — |
| **Lens shift -> Horizontal(from center of screen)** | — |
| **Terminals -> SDI IN** | — |
| **Terminals -> DVI-D IN** | — |
| **Terminals -> DisplayPort™ IN** | — |
| **Terminals -> DIGITAL LINK IN / LAN** | — |
| **Active 3D** | No |
| **SDM** | No |
| **Footnote Description** | 1. 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].<br>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.<br>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.<br>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.<br>5. Resolution decreases when using this function. V/H Keystone Correction and curved-screen correction are not available when using this function, and range of corner adjustment is limited.<br>6. When Digital Zoom Extender is set to 80 %.<br>7. 4K signals are converted to the projector's resolution upon projection.<br>8. Depending on the connected CEC command-compatible device, the link control may not operate normally.<br>9. On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready.<br>10. Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6.<br>11. 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).<br>12. 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).<br>13. Average value. May differ depending on the actual unit.<br>14. 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).<br>15. 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.<br>16. 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). |