Panasonic CONNECT

**Designed for intensive usage and long lasting brightness for education, museums, exhibitions and digital signage**

# PT-RZ120/RZ120L

12,000 lumens compact Solid Shine laser projector Designed for intensive usage and long lasting brightness for education, museums, exhibitions and digital signage

**Key Features**

- 1-chip DLP Laser, 12,000 ANSI lumens, WUXGA
- High brightness and excellent image quality with laser light source
- Maintenance free up to 20,000 hours with dust-resistant optical block and long lasting laser engine
- 10,000 : 1 contrast ratio
- 4K Input available (HDMI/DIGITAL LINK)

DIGITAL LINK SINGLE CABLE SOLUTION

Geo. Pro

360°

SOLID SHINE LASER

SOLID SHINE LASER WARRANTY

ACCEPTS 4K SIGNAL

360°

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https://ap.connect.panasonic.com/my/en/products/projectors/pt-rz120rz120l

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|---|---|
| **Projector type** | 1-Chip DLP™ projector |
| **Display method** | DLP™ chip x 1, DLP™ projection system |
| **Display Device -> Panel size** | 17.0 mm (0.67 in) diagonal (16:10 aspect ratio) |
| **Display Device -> Number of pixels** | 2,304,000 (1920 x 1200) x 1 |
| **Light source** | Laser Diode |
| **Light output** *1 | 12,000 lm |
| **Light output (ANSI)** | 12,000 lm |
| **Light output (Center)** *1 *2 | 12,600 lm (Center) |
| **Time until light output declines to 50 % -> NORMAL** *3 | 20,000 hours [NORMAL] |
| **Time until light output declines to 50 % -> ECO** *3 | 24,000 hours [ECO] |
| **Resolution** | 1920 x 1200 pixels |
| **Contrast Ratio (typ.)** *1 | 10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3) |
| **Screen size (diagonal)** | 1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055, 2.54–8.89 m (100–350 in) with ET-DLE035, 16:10 aspect ratio |
| **Center-to-corner zone ratio** *1 | 90 % |
| **Lens** | PT-RZ120: Powered zoom (throw ratio 1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mmPT-RZ120L: Optional powered zoom/focus lenses |
| **Lens shift -> Vertical(from center of screen)** *4 | +50 %, -16 % (+40%, -16% with ET-DLE060) (powered) |
| **Lens shift -> Horizontal(from center of screen)** *4 | +30 %, -10 % (+19%, -10% with ET-DLE060 / +28 %, -10 % with ET-DLE085/ET-DLE105 ) (powered) |
| **Keystone correction range** | Vertical: ±40° (±16° with ET-DLE060, ±22° with ET-DLE105/ET-DLE085/ET-DLE055, +5° with ET-DLE035),<br>Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035) |
| **Keystone correction range with optionalET-UK20 Upgrade Kit** | Vertical: ±45° (±16° with ET-DLE060, ±40° with ET-DLE150/ET-DLE250/supplied lens, ±22° with ET-DLE105/ET-DLE085/ET-DLE055),Horizontal: ±40° (±10° with ET-DLE060, ±15° with ET-DLE105/ET-DLE085/ET-DLE055)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55°. |
| **Installation** | Horizontal/vertical, free 360-degree installation |
| **Terminals -> SDI IN** | BNC x 1 : 3G/HD/SD-SDI input |
| **Terminals -> HDMI™ IN** | HDMI™ 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K signal input) |
| **Terminals -> DVI-D IN** | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) |
| **Terminals -> COMPUTER IN（RGB IN）** | RGB x 1 (BNC x 5): RGB/YPBPR/YCBCR |
| **Terminals -> COMPUTER IN（D-SUB 15pin）** | D-sub HD 15-pin (female) x 1: (RGB/$YP_BP_R$/$YC_BC_R$) |
| **Terminals -> SERIAL/MULTI-PROJECTOR SYNC IN** | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| **Terminals -> SERIAL/MULTI-PROJECTOR SYNC OUT** | D-sub 9-pin (male) x 1 for link control |
| **Terminals -> REMOTE 1 IN** | M3 x 1 for wired remote control |
| **Terminals -> REMOTE 1 OUT** | M3 x 1 for link control (for wired remote control) |
| **Terminals -> REMOTE 2 IN** | D-sub 9-pin (female) x 1 for external control (parallel) |
| **Terminals -> DIGITAL LINK IN / LAN** | RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net, HDCP 2.2, Deep Color, 4K signal input) |
| **Terminals -> LAN** | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net) |
| **Power supply** | AC 100–240 V, 50/60 Hz |
| **Maximum power consumption** | 1,100 W (11–4.5 A) |
| **On-mode power consumption(Operating mode) -> Normal** | [NORMAL] 730 W |
| **On-mode power consumption(Operating mode) -> Eco** | [ECO] 590 W |
| **Standby power consumption -> Normal** | [Standby Mode set to NORMAL] 7 W |
| **Standby power consumption -> ECO** | [Standby Mode set to ECO] 0.5 W |
| **Cabinet materials** | Molded plastic |
| **Filter** | No |
| **Operation noise -> Normal** *1 | 44 dB [NORMAL] |
| **Operation noise -> Quiet** *1 | 41 dB [QUIET1]38 dB [QUIET2] |
| **Dimensions (W x H x D)** | PT-RZ120: 498 x 200*5 x 581 mm (19 19/32″ x 7 7/8″ *5 x 22 7/8″ ) (with supplied lens)PT-RZ120L: 498 x 200*5 x 538 mm (19 19/32″ x 7 7/8″ *5 x 21 3/16″ ) (without lens) |
| **Dimensions -> Width (including protruding parts)** | PT-RZ120: 498 mm (19 19/32″) PT-RZ120L: 498 mm (19 19/32″) |

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|---|---|
| **Dimensions -> Height (including protruding parts)** | PT-RZ120: 200 mm (7 7/8″) PT-RZ120L: 200 mm (7 7/8″) |
| **Dimensions -> Depth (not including protruding parts)** | PT-RZ120L: 538 mm (21 3/16″) |
| **Dimensions -> Depth (including lens)** | PT-RZ120: 581 mm (22 7/8″) |
| **Weight [*7]** | PT-RZ120: Approx. 23.6 kg (51.9 lbs) (with supplied lens)<br>PT-RZ120L: Approx. 22.8 kg (50.2 lbs) (without lens) |
| **Operating environment -> Operating temperature [*8] [*9]** | 0–45 °C (32–113 °F) |
| **Operating Environment -> Operating humidity (No condensation)** | 10–80 % (no condensation) |
| **Applicable software** | Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™ |
| **Footnote Description** | Note: PT-RZ120L offers the same performance as PT-RZ120, but comes without a lens.<br>1. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped.<br>2. Average light-output value of all shipped products measured at center of screen in NORMAL Mode.<br>3. Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [3], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment.<br>4. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.<br>5. With legs at shortest position.<br>6. Average value. May differ depending on the actual unit.<br>7. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment. |