



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

PT-RZ120

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)





PT-RZ120

<https://eu.connect.panasonic.com/pt/en/products/projectors/pt-rz120>

| | |
|--|---|
| Brightness | 12,500 lm (Center)*1 / 12,000 lm*2 |
| Technology | Laser 1-chip DLP |
| DLP™ chip Panel size (mm) | 17.0 mm diagonal (16:10 aspect ratio) |
| DLP™ chip Panel size (inch) | 0.67 inch diagonal (16:10 aspect ratio) |
| DLP™ Chip Display Method | DLP™ chip x 1, DLP™ projection system |
| DLP™ Chip Pixels | 2,304,000 (1920 x 1200) pixels |
| Lens | PT-RZ120: Powered zoom (throw ratio 1.7-2.4:1), powered focus F 1.7-1.9, f 25.6-35.7 mm PT-RZ120L: Optional powered zoom/focus lenses |
| Light Source | Laser diodes laser Class 1 (Class 3R for US models) |
| Screen size (diagonal) (mm) | 1.27-15.24 m, 1.27-5.08 m with ET-DLE055, 2.54-8.89 m with ET-DLE035, 16:10 aspect ratio |
| Screen size (diagonal) (inch) | 50-600 inch, 50-200 inch with ET-DLE055, 100-350 inch with ET-DLE035, 16:10 aspect ratio |
| Brightness*1 | 12,500 lm (Center)*1 / 12,000 lm*2 |
| Center-to-Corner Uniformity*1 | 90 % |
| Contrast*1 | 10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3) |
| Resolution | 1920 x 1200 pixels |
| Optical axis shift*2 Vertical (from center of screen) | +50 %, -16 % (+40%, -16% with ET-DLE060) (powered) |
| Optical axis shift*5 Horizontal (from center of screen) | +30 %, -10 % (+19%, -10% with ET-DLE060 / +28 %, -10 % with ET-DLE085) (powered) |
| Keystone Correction Range | Vertical: ±40° (±16° with ET-DLE060, ±22° with ET-DLE085/DLE055, +5° with ET-DLE035), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035) |
| Keystone correction range with optional Upgrade Kit ET-UK20 | Vertical: ±45° (±16° with ET-DLE060, ±40° with ET-DLE150/DLE250 / supplied lens, ±22° with ET-DLE085/DLE055), Horizontal: ±40° (±10° with ET-DLE060, ±15° with ET-DLE085/DLE055), When vertical and horizontal keystone are used simultaneously, correction cannot be made exceeding total of 55°. |
| Installation | Ceiling/floor, front/rear, free 360-degree installation |
| Terminals SDI In | BNC x 1: 3G/HD/SD-SDI input |
| Terminals HDMI In | HDMI 19-pin x 1 (Deep Color, compatible with HDCP) |
| Terminals DVI-D In | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) |
| Terminals RGB 1 In | RGB x 1 (BNC x 5): RGB/YBPBR/YCBCR |
| Terminals RGB 2 In | D-sub HD 15-pin (female) x 1: RGB/YBPBR/YCBCR |
| Terminals Serial In | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| Terminals Serial 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 LAN | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PjLink™ |
| Terminals DIGITAL LINK | RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PjLink™ (Class 2), HDCP, Deep Color |
| Power Supply | AC 100-240 V, 50/60 Hz |
| Power Consumption | 1,275W (TBD) |
| Operating noise*3 | 46 dB (TBD) |
| Cabinet Materials | Molded plastic |
| Dimensions (W x H x D) (mm) | PT-RZ120: 498 x 200*4 x 581 mm (with supplied lens) PT-RZ120L: 498 x 200*3 x 538 mm (without lens) |
| Dimensions (W x H x D) (inch) | PT-RZ120: 19 19/32 inch x 7 7/8 inch *3 x 22 7/8 inch (with supplied lens) PT-RZ120L: 19 19/32 inch x 7 7/8 inch *3 x 21 3/16 inch (without lens) |
| Weight (kg)*6 | PT-RZ120: Approximately 25.2 kg (with supplied lens) (TBD) |
| Weight (lbs.)*6 | PT-RZ120L: Approximately 24.4 kg (with supplied lens) (without lens) (TBD) PT-RZ120: Approximately 55.6 lbs (with supplied lens) (TBD) PT-RZ120L: Approximately 53.8 lbs (with supplied lens) (without lens) (TBD) |
| Operating environment (°C/M) | Operating temperature: 0-45 °C *5, operating humidity: 10-80 % (no condensation) |
| Operating environment (°F/Feet) | Operating temperature: 32-113 °F *5, operating humidity: 10-80 % (no condensation) |
| Applicable software/application | Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™ |

Note

Note: PT-RZ120L offers the same performance as PT-RZ120, but comes without a lens.

*1 Luminance measured at center of screen.

*2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2012 international standards. Value is average of all products when shipped.

*3 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.

*4 With legs at shortest position.

*5 The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.

*6 Average value. May differ depending on the actual unit.