



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://ap.connect.panasonic.com/p/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) PT-RZ120L: Approximately 24.4 kg (with supplied lens) (without lens) (TBD)
Weight (lbs.)*6	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.