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/vn/vi/products/projectors/pt-rz120rz120l

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 *2	12,000 lm
Light output (ANSI) *3	12,000 lm
Light output (Center) *1 *2	12,600 lm (Center)
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]
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.) *2	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 *2	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)	+50 %, -16 % (+40%, -16% with ET-DLE060) (powered)
Lens shift -> Horizontal(from center of screen)	+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), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035)
Keystone correction range with optionalET-UK20 Upgrade Kit *9	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 *10	1,100 W (11–4.5 A)
On-mode power consumption(Operating mode) -> Normal *10	[NORMAL] 730 W
On-mode power consumption(Operating mode) -> Eco *10	[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 *11	No
Operation noise -> Normal *2	44 dB [NORMAL]
Operation noise -> Quiet *2	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″)

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 [*12]	PT-RZ120: Approx. 23.6 kg (51.9 lbs) (with supplied lens) PT-RZ120L: Approx. 22.8 kg (50.2 lbs) (without lens)
Operating environment -> Operating temperature [*13]	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.

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.
2. Average light-output value of all shipped products measured at center of screen in NORMAL Mode.
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.
4. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.
5. With legs at shortest position.
6. Average value. May differ depending on the actual unit.
7. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.