

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)





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<https://ap.connect.panasonic.com/m/y/en/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 *3	12,000 lm
Light output (ANSI) *4	12,000 lm
Light output (Center) *5	12,600 lm (Center)
Time until light output declines to	20,000 hours [NORMAL] 50 % -> NORMAL *6
Time until light output declines to	24,000 hours [ECO] 50 % -> ECO *6
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.) *3	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 *3	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 mm PT-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 optional ET-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/YPBPR/YCBCR)
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 *7	1,100 W (11-4.5 A)
On-mode power consumption(Operating mode) -> Normal *8	[NORMAL] 730 W
On-mode power consumption(Operating mode) -> Eco *8	[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 *3	44 dB [NORMAL]
Operation noise -> Quiet *3	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	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 *11	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	<p>Note: PT-RZ120L offers the same performance as PT-RZ120, but comes without a lens.</p> <p>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.</p> <p>2. Average light-output value of all shipped products measured at center of screen in NORMAL Mode.</p> <p>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.</p> <p>4. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.</p> <p>5. With legs at shortest position.</p> <p>6. Average value. May differ depending on the actual unit.</p> <p>7. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.</p>

Body Colour	Black/White
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional