

**Packing 12,000 lm*¹ Brightness
into a Compact Body, the PT-RZ120 Dual-Drive
SOLID SHINE Laser Projector Lets You Do More**



	PT-RZ120B	PT-RZ120W	PT-RZ120LB	PT-RZ120LW
Light Output	12,000 lm* ¹ / 12,600 lm (Center)* ²			
Resolution	WUXGA			
Contrast	10,000:1* ³			
Cabinet Color	Black	White	Black	White
Lens	With supplied lens		Without lens	

High-Quality Pictures and Long-Lasting Reliability

- Combines 1-Chip DLP™ imaging with proprietary SOLID SHINE Laser technology for accurate and immersive pictures at 12,000 lm*¹
- Dynamic Contrast realizes high 10,000:1*³ contrast without losing brightness
- Detail Clarity Processor 3 clarifies and enhances the finest details
- System Daylight View 3 optimization for sharp and vivid images in bright environments

Consistently Stable and Reliable Performance

- Dust-resistant projector structure with airtight optical block
- Dual-drive laser optical engine with dual phosphor wheels assures reliable 24/7 operation with light-source failover protection
- Up to 20,000 hours*⁴ of continuous maintenance-free operation
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)*⁵
- Seamless backup signal input switching if primary signal transmission is interrupted

Versatile System Adaptability and Flexible Installation

- Shares optional lenses*⁶ with Panasonic 1-Chip DLP™ projector family
- Compact body and free 360-degree installation (vertical and horizontal)
- DIGITAL LINK/HDMI® support transmission of uncompressed 4K signals
- Built-in Geometric Adjustment for projection onto specially shaped screens
- Supports Geometry Manager Pro and optional Upgrade Kit (ET-UK20)
- Data-cloning function copies configuration data*⁷ from master projector to slave projectors via LAN, saving time and labor
- Direct Power Off function allows projector shutdown from mains

*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 With Dynamic Contrast Mode set to 3. *⁴ Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [3], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Panasonic recommends cleaning or checkup at point of purchase after every 20,000-hour period (approximately). Estimated maintenance time varies depending on environment. *⁵ Light output may be reduced to protect the projector depending on environmental conditions. *⁶ ET-DLE030 not supported. *⁷ Some configuration data cannot be copied. Function supported among identical projectors only.

Specifications

Model	PT-RZ120/PT-RZ120L	
Projector type	1-Chip DLP™ projector	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip x 1
	Pixels	2,304,000 (1920 x 1200) x 1
Light source	Laser Diode	
Light output	12,000 lm*1 / 12,600 lm (Center)*2	
Time until light output declines to 50 %*3	20,000 hours (NORMAL)/24,000 hours (ECO)	
Resolution	1920 x 1200 pixels	
Contrast*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 uniformity*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 mm PT-RZ120L: Optional powered zoom/focus lenses	
Lens shift*4	Vertical (from center of screen)	+50 %, -16 % (+40%, -16% with ET-DLE060) (powered)
	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
	HDMI IN	HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K signal)
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
	RGB 1 IN	RGB x 1 (BNC x 5): RGB/YpPr/YCbCr
	RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YpPr/YCbCr
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control
	REMOTE 1 IN	M3 x 1 for wired remote control
	REMOTE 1 OUT	M3 x 1 for link control (for wired remote control)
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PLink™
DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX (Compatible with PLink™ [Class 2], HDCP 2.2, Deep Color, 4K signal)	
Power supply	AC 100–240 V, 50/60 Hz	
Power consumption	1,100 W	
Cabinet materials	Molded plastic	
Operation noise*1	44 dB (Normal)/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)	
Weight*5	PT-RZ120: Approximately 23.6 kg (51.9 lbs) (with supplied lens) PT-RZ120L: Approximately 22.8 kg (50.2 lbs) (without lens)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*7, operating humidity: 10–80 % (no condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™	

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

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Optional Accessories

- **Fixed-Focus Lens** ET-DLE035 / ET-DLE055
- **Zoom Lens** ET-DLE060 / ET-DLE085 / ET-DLE105 / ET-DLE150 / ET-DLE170 / ET-DLE250 / ET-DLE350 / ET-DLE450
- **Ceiling Mount Bracket** ET-PKD130H (6-axis, for high ceiling)
ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)
- **Projector Mount Bracket** ET-PKD130B
- **Geometry Manager Pro Software Upgrade Kit** ET-UK20
- **Auto Screen Adjustment Upgrade Kit** ET-CUK10 / ET-CUK10P
- **Early Warning Software** ET-SWA100 Series*
Note: Part number suffix may differ depending on the license type.
* Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website:
<https://panasonic.net/cns/projector/download/application/>
- **DIGITAL LINK Switcher** ET-YFB200G
- **Digital Interface Box** ET-YFB100G

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