

Packing 12,500 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
Brightness	12,500 lm (Center)* ¹ / 12,000 lm* 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 12,500 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 of continuous maintenance-free operation*⁴
- 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)
- Auto Screen Adjustment Upgrade Kit (ET-CUK10/ET-CUK10P)
- Direct Power Off function allows projector shutdown from mains

*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 With Dynamic Contrast Mode set to 3. *⁴ At 20,000 hours, projector brightness will have decreased to approximately half of its original level (Dynamic Contrast Mode: 3, Image Mode: Dynamic). Panasonic recommends cleaning or checkup at point of purchase after every 20,000-hour period (approximately). Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. *⁵ Light output may be reduced to protect the projector depending on environmental conditions. *⁶ ET-DLE030 not supported.

Specifications (Tentative)

Model	PT-RZ120/PT-RZ120L	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip x 1, DLP™ projection system
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)	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	
Brightness	12,500 lm (Center)*1 / 12,000 lm*2	
Center-to-corner uniformity*2	90 %	
Contrast*2	10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)	
Resolution	1920 x 1200 pixels	
Optical axis shift*3	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) (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 ET-UK20 Upgrade Kit	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
	HDMI IN	HDMI 19-pin x 1 (Compatible with HDCP, Deep Color)
	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, Deep Color)
	Power supply	AC 120–240 V, 50/60 Hz
Power consumption	1,275 W (TBD)	
Operation noise*2	46 dB (TBD)	
Cabinet materials	Molded plastic	
Dimensions (W x H x D)	PT-RZ120: 498 x 200*4 x 581 mm (19 19/32" x 7 7/8" *4 x 22 7/8") (with supplied lens)	
	PT-RZ120L: 498 x 200*4 x 538 mm (19 19/32" x 7 7/8" *4 x 21 3/16") (without lens)	
Weight*5	PT-RZ120: Approximately 25.2 kg (55.6 lbs) (with supplied lens) (TBD)	
	PT-RZ120L: Approximately 24.4 kg (53.8 lbs) (without lens) (TBD)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*6, 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.

*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 Average value. May differ depending on the actual unit. *6 The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.

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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