

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



PT-RZ120/L	
Resolution	WUXGA
Brightness	12,000 lm
Contrast	10,000:1

Note: PT-RZ120L offers the same performance as PT-RZ120, but comes without a 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
- Dynamic Light Control for 10,000:1*1 contrast
- Accurate white balance and color reproduction in any projection mode
- High picture quality maintained for very long periods
- 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*2
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)*3
- High-speed backup input switching prevents screen blanking during projection

Versatile System Adaptability and Flexible Installation

- Shares optional lenses 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 signal
- 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)
- Direct Power Off function allows projector shutdown from mains

*1 With Dynamic Contrast Mode set to 3. *2 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. *3 Light output may be reduced to protect the projector depending on environmental conditions.

Specifications (Tentative)

Model	PT-RZ120/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
	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)	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-DLE030, 16:10 aspect ratio	
Brightness*1	12,000 lm	
Center-to-corner uniformity*1	90 %	
Contrast*1	10,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)	
Resolution	1920 x 1200 pixels	
Optical axis shift*2	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-DLE030), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE030)	
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), Up to a total of ±55° during simultaneous horizontal and vertical correction.	
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 (Deep Color, compatible with HDCP)
	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/YC/VIDEO
	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™ (Class 2)
	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 100–240 V, 50/60 Hz	
Power consumption	TBD	
Operation noise*1	TBD	
Cabinet materials	Molded plastic	
Dimensions (W x H x D)	PT-RZ120: 498 x 200*3 x 581 mm (19 19/32" x 7 7/8"*3 x 22 7/8") (with supplied lens) PT-RZ120L: 498 x 200*3 x 538 mm (19 19/32" x 7 7/8"*3 x 21 3/16") (without lens)	
Weight*4	TBD	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*5, operating humidity: 10–80 % (no condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro	

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 Optical axis shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE030. *3 With lens at shortest position. *4 Average value. May differ depending on the actual unit. *5 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector.

Optional Accessories

- **Fixed-Focus Lens**
ET-DLE030
- **Zoom Lens**
ET-DLE085 / ET-DLE150 /
ET-DLE250 / ET-DLE350 /
ET-DLE450 / ET-DLE055 /
ET-DLE060
- **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
- **Early Warning Software**
ET-SWA100 Series
- **DIGITAL LINK Switcher**
ET-YFB200G
- **Digital Interface Box**
ET-YFB100G

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