

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)*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 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 35 °C (95 °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.

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

Panasonic®

Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. DLP, DLP logo and DLP Medallion logo are trademarks or registered trademarks of Texas Instruments. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries. PLink™ is a registered trademark or pending trademark in Japan, the United States, and other countries and regions. All other trademarks are the property of their respective trademark owners.
© 2018 Panasonic Corporation. All rights reserved.



For more information about Panasonic projectors, please visit:
Projector Global Website – panasonic.net/cns/projector
Facebook – www.facebook.com/panasonicprojector
YouTube – www.youtube.com/user/PanasonicProjector

All information included here is valid as of September 2018.

PT-RZ120PRE4 Printed in Japan.