

## Rugged SOLID SHINE Laser Projector Extends Maintenance-Free Imaging Brilliance to 20,000 Hours\*<sup>1</sup>, Leading Class in Low TCO for Professionals



PT-RZ870/L	
Resolution	WUXGA
Brightness	8,500 lm
Contrast	10,000:1

Note: PT-RZ870L offer the same performance as PT-RZ870 respectively, but come 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 8,500 lm
- Dynamic Light Control for 10,000:1\*<sup>2</sup> 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\*<sup>1</sup>
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)\*<sup>3</sup>
- High-speed backup input switching minimizes 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)
- 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

## Specifications (Tentative)

<b>Model</b>	PT-RZ870/RZ870L		
<b>DLP™ chip</b>	<b>Panel size</b>	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)	
	<b>Display method</b>	DLP™ chip x 1, DLP™ projection system	
	<b>Pixels</b>	2,304,000 (1920 x 1200) pixels	
<b>Lens</b>	PT-RZ870: Powered zoom (throw ratio 1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RZ870L: Optional powered zoom/focus lenses		
<b>Light source</b>	Laser diodes laser Class 1 (Class 3R for US models)		
<b>Screen size (diagonal)</b>	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		
<b>Brightness*1</b>	8,500 lm		
<b>Center-to-corner uniformity*1</b>	90 %		
<b>Contrast*1</b>	10,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)		
<b>Resolution</b>	1920 x 1200 pixels		
<b>Optical axis shift*2</b>	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)	
<b>Keystone correction range</b>	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)		
<b>Keystone correction range with optional Upgrade Kit ET-UK20</b>	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		
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation		
<b>Terminals</b>	<b>SDI IN</b>	BNC x 1: 3G/HD/SD-SDI input	
	<b>HDMI IN</b>	HDMI 19-pin x 1 (Deep Color, compatible with HDCP)	
	<b>DVI-D IN</b>	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	
	<b>RGB 1 IN</b>	RGB x 1 (BNC x 5): RGB/YpPr/YCbCr/YC/VIDEO	
	<b>RGB 2 IN</b>	D-sub HD 15-pin (female) x 1: RGB/YpPr/YCbCr	
	<b>SERIAL IN</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
	<b>SERIAL OUT</b>	D-sub 9-pin (male) x 1 for link control	
	<b>REMOTE 1 IN</b>	M3 x 1 for wired remote control	
	<b>REMOTE 1 OUT</b>	M3 x 1 for link control (for wired remote control)	
	<b>REMOTE 2 IN</b>	D-sub 9-pin (female) x 1 for external control (parallel)	
	<b>LAN / DIGITAL LINK</b>	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PLink™, HDCP, Deep Color	
	<b>Power supply</b>	AC 100–240 V, 50/60 Hz	
	<b>Power consumption</b>	TBD	
<b>Operation noise*1</b>	TBD		
<b>Cabinet materials</b>	Molded plastic		
<b>Dimensions (W x H x D)</b>	PT-RZ870: 498 x 200*3 x 581 mm (19 19/32" x 7 7/8"*3 x 22 7/8") (with supplied lens) PT-RZ870L: 498 x 200*3 x 538 mm (19 19/32" x 7 7/8"*3 x 21 3/16") (without lens)		
<b>Weight*4</b>	PT-RZ870: Approx. 23.2 kg (51.1 lbs.) (with supplied lens) PT-RZ870L: Approx. 22.4 kg (49.4 lbs.) (without lens)		
<b>Operating environment</b>	Operating temperature: 0–45 °C (32–113 °F)*5, operating humidity: 10–80 % (no condensation)		
<b>Applicable software</b>	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro		

Note: PT-RZ870L offer the same performance as PT-RZ870 respectively, but come without a lens.

\*1 Measured at center area of projector screen. Measurement method is in compliance 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 legs 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

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| <ul style="list-style-type: none"> <li>■ <b>Fixed-Focus Lens</b><br/>ET-DLE030</li> <li>■ <b>Zoom Lens</b><br/>ET-DLE085 / ET-DLE150 /<br/>ET-DLE250 / ET-DLE350 /<br/>ET-DLE450 / ET-DLE055 /<br/>ET-DLE060</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Ceiling Mount Bracket</b><br/>ET-PKD130H (6-axis, for high ceiling)<br/>ET-PKD120H (for high ceiling)<br/>ET-PKD120S (for low ceiling)</li> <li>■ <b>Projector Mount Bracket</b><br/>ET-PKD130B</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Geometry Manager Pro Software Upgrade Kit</b><br/>ET-UK20</li> <li>■ <b>Auto Screen Adjustment Upgrade Kit</b><br/>ET-CUK10</li> </ul> | <ul style="list-style-type: none"> <li>■ <b>Early Warning Software</b><br/>ET-SWA100 Series</li> <li>■ <b>DIGITAL LINK Switcher</b><br/>ET-YFB200G</li> <li>■ <b>Digital Interface Box</b><br/>ET-YFB100G</li> </ul> |
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