

Rugged SOLID SHINE Laser Projector Extends Maintenance-Free Imaging Brilliance to 20,000 Hours*¹, 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*² 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*¹
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)*³
- 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)

Model	PT-RZ870/RZ870L
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-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
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	8,500 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 / DIGITAL LINK RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PLink™, 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-RZ870: 498 x 200*3 x 581 mm (19 19/32" x 7 7/8" x 22 7/8") (with supplied lens) PT-RZ870L: 498 x 200*3 x 538 mm (19 19/32" x 7 7/8" x 21 3/16") (without lens)
Weight*4	PT-RZ870: Approx. 23.2 kg (51.1 lbs.) (with supplied lens) PT-RZ870L: Approx. 22.4 kg (49.4 lbs.) (without lens)
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-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

■ 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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