Panasonic
BUSINESS

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

	PT-RZ870B	PT-RZ870W	PT-RZ870LB	PT-RZ870LW
Brightness	8,800 lm (Center)*2 / 8,500 lm			
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 8,800 lm*2
- 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*1
- Efficient cooling system for stable operation in ambient temperatures of up to 45 °C (113 °F)*4
- Seamless backup signal input switching if primary signal transmission is interrupted

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/ET-CUK10P)
- Direct Power Off function allows projector shutdown from mains

*1 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. *2 Luminance measured at center of screen. *3 With Dynamic Contrast Mode set to 3. *4 Light output may be reduced to protect the projector depending on environmental conditions.

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
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		8,800 lm (Center)[1] / 8,500 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/DLE105) (powered)
Keystone correction range		Vertical: ±40˚ (±16˚ with ET-DLE060, ±22˚ with ET-DLE085/DLE055/DLE105, +5˚ with ET-DLE030), Horizontal: ±15˚ (±10˚ with ET-DLE060) (cannot be operated with ET-DLE030)
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/DLE105), 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/YPBPR/YCBCR/YC/VIDEO
	RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YPBPR/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 PJLink™, HDCP, Deep Color)
Power supply		AC 100–240 V, 50/60 Hz
Power consumption		950 W
Operation noise[2]		41 dB (NORMAL) / 37 dB (QUIET1) / 35 dB (QUIET2)
Cabinet materials		Molded plastic
Dimensions (W x H x D)		PT-RZ870: 498 x 200[4] x 581 mm (19 19/32″ x 7 7/8″[4] x 22 7/8″) (with supplied lens) PT-RZ870L: 498 x 200[4] x 538 mm (19 19/32″ x 7 7/8″[4] x 21 3/16″) (without lens)
Weight[5]		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)[6], operating humidity: 10–80 % (no condensation)
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro

Note: PT-RZ870L offers the same performance as PT- RZ870, but comes 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 Luminance measured at center of screen. *3 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE030. *4 With legs at shortest position. *5 Average value. May differ depending on the actual unit. *6 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 ℃ (86 ℉) 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 ℃ (77 ℉) or higher, the light output may be reduced to protect the projector.

Optional Accessories

Fixed-Focus Lens
ET-DLE030 / 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)
ET-PKD130B (Attachment for ceiling mount bracket)

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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All information included here is valid as of June 2018.

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