

# Panasonic

BUSINESS

## PT-RZ970 Series

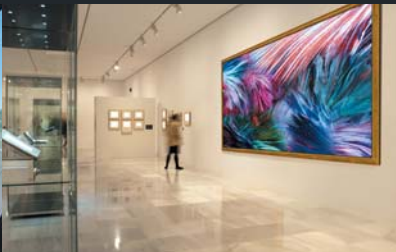
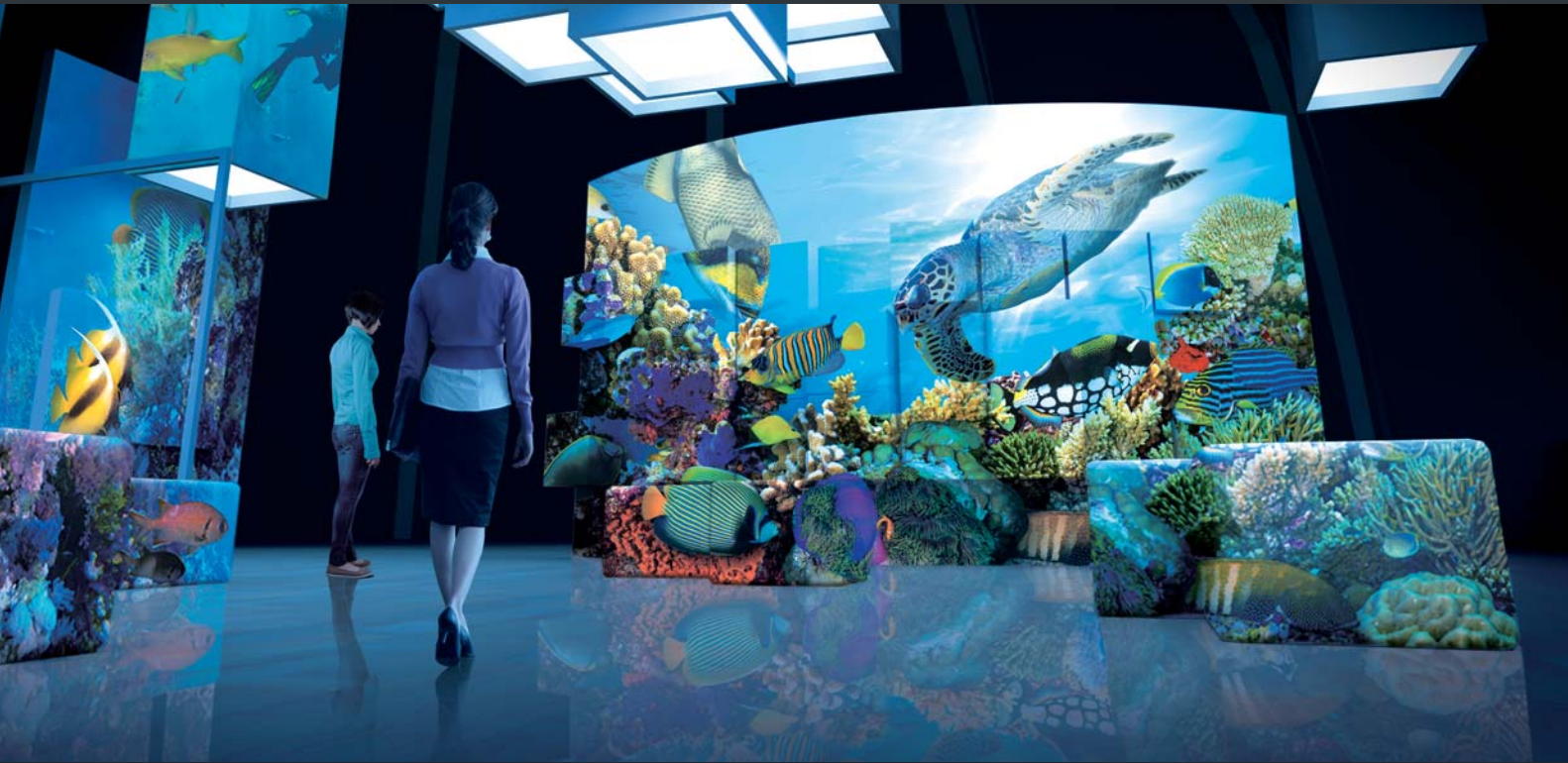
1-Chip DLP™ Projectors

PT-RZ970/RZ970L  
PT-RW930/RW930L  
PT-RX110/RX110L

### Stellar Projection for Marathon Missions



# High-Brightness Projectors Engineered for Elite Professional Performance



With immersive picture quality and practical features, the PT-RZ970 Series' potential application extends from permanent installation in museums, theaters, and control rooms through roles in signage, exhibition/rental, and staging. Powered by the acclaimed SOLID SHINE Laser drive and latest 1-Chip DLP™ technology, the PT-RZ970 Series exceeds expectations with low-maintenance stability and vivid color performance maintained for longer than competitive products over years of 24/7 operation. The Panasonic PT-RZ970 Series: Made by professionals, for professionals.

## 1-Chip DLP™ Projectors PT-RZ970 Series

	PT-RZ970/RZ970L	PT-RW930/RW930L	PT-RX110/RX110L
Resolution	WUXGA	WXGA	XGA
Brightness	10,000 lm (Center) 9,400 lm*		10,400 lm (Center) 10,000 lm*
Contrast	10,000:1		

\* Measured according to strict international ISO 21118 standards.  
Note: PT-RZ970L / RW930L / RX110L do not include a lens.





### High Picture Quality

Combines latest 1-Chip DLP™ imaging with proprietary SOLID SHINE Laser technology for breathtaking realism at 10,400 lm (Center)\*1.



### Quick Start and Quick Off

Unlike some others, this laser light-source does not require a lengthy warm up: images appear almost instantly. For the PT-RZ970 Series, start-up time is about one second\*2.



### Free 360° Install

Rig these projectors vertically or horizontally through 360 degrees for projection at virtually any angle—great for mapping or in difficult venues.



### Dust-Resistant Optics

The PT-RZ970 Series' solid-state laser modules are sealed to prevent dust intrusion, while a unique air-intake design extends life and maintains picture quality in dusty locations.



### Save Money

All laser projectors are the same, right? Wrong! Only Panasonic's holistic approach to laser projection delivers unprecedented image quality with low maintenance to keep costs down.



### 20,000 hours\*3 Maintenance free

Original SOLID SHINE Laser technology assures up to 20,000 hours\*3 of maintenance-free operation for the whole projector, not just the light source.

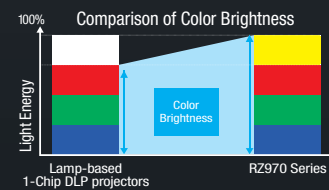
## Key Advantages of Panasonic's Laser Technology

### SOLID SHINE Laser Phosphor and 1-Chip DLP™ Imaging Balance Image Quality with Marathon Endurance



#### Harnessing Full-Spectrum Color with Up to 10,400 lm (Center)\*1 Brightness

With next-generation DLP™ technology delivering high-resolution detail and dual laser modules outputting up to 10,400 lm (Center)\*1 of brightness, Quartet Color Harmonizer to reduce energy loss from the light source, and robust heat-resistant phosphor wheel, Panasonic PT-RZ970 Series' SOLID SHINE Laser system produces scintillating images with unfailing reliability.



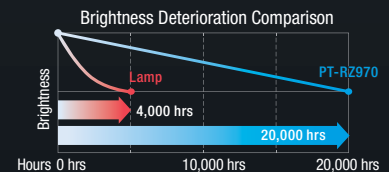
#### Superior White Balance and Color Reproduction

The Quartet Color Harmonizer wheel mechanism captures a wider color space than comparable projectors, which allows white to be reproduced realistically on screen. Some conventional projectors can't achieve an accurate white balance, so images can appear with a distracting greenish tint. Not the case with Panasonic PT-RZ970 Series SOLID SHINE Laser projectors.



#### SOLID SHINE Laser Maintains Picture Quality for Longer

Thanks to the long-lasting dual solid-state laser modules, there are no lamps to replace, and image color/brightness degrades very gradually in consistent, linear fashion. As well as reducing maintenance hassle, out-of-the-box picture quality is preserved longer.



\*1 PT-RZ970/RZ970L and PT-RW930/RW930L features 10,000 lm and PT-RX110/RX110L 10,400 lm of brightness (measured at center of screen). \*2 With Quick Start Mode set to ON, Quick Start Mode resets to OFF after duration set in Available Period expires. When Quick Start Mode is set to ON, the projector continues to warm up, increasing power consumption. Image appears in about 9 seconds on Normal Standby Mode and about 12 seconds on Eco Standby Mode. \*3 At this time the 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 20,000 hours (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.

# Powerful Brightness, Excellent Picture Quality, Lasting Reliability

## Dynamic Light Control for High Contrast

The PT-RZ970 Series directly modulates laser power output to achieve high contrast with low power consumption. Digitally controlled frame-by-frame scene-linking modulation ensures highly precise output adjustment, while accurate 10,000:1\*\* contrast is delivered even when bright and dark scenes frequently interchange.

\*4 With Dynamic Contrast Mode set to 3.



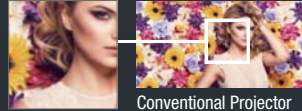
Bright Image



Dark Image

## Detail Clarity Processor 3 Sharpens the Finest Details

This unique Panasonic circuit optimizes the sharpness of each image based on the super high, high, medium, and low frequency components of the extracted image information. The resulting images are expressed with natural, convincing realism.



Conventional Projector



Detail Clarity Processor 3

## System Daylight View 3 for Sharp and Vivid Images in Bright Environments

Panasonic's premium System Daylight View 3 prevents images from washing out in well-lit environments and enhances brightness perception in multi-projector mapping applications by adjusting sharpness and gamma curves and correcting colors. The result is greater visual impact even in challenging conditions.



Conventional Projector



System Daylight View 3

## Consistent, Stable Performance

### Dust-Resistant Airtight Optical Block

PT-RZ970 Series' optical block is airtight, ensuring consistent, long-lasting image quality for up to 20,000 hours\*5 without maintenance. The optical block design passed stringent testing to assure utmost reliability in environments with up to 0.15 mg of particulate matter per cubic meter (based on American Society of Heating, Refrigerating, and Air-Conditioning Engineers [ASHRAE] and Japanese Building Maintenance Association guidelines). The structure prevents brightness degradation from dust intrusion.

### Stable 24/7 Operation with Light-source Failover Protection

Dual Drive Laser Optical Engine groups laser diodes into two discrete modules. A failsafe redundancy circuit works to minimize brightness- and color-uniformity loss should a laser diode fail, making PT-RZ970 Series ideal for mission-critical applications. Further, brightness decreases more gradually and consistently than lamp-based projectors over a 20,000-hour\*5 maintenance-free projection period.

Clean Environment	WHO Europe Guideline for Dust Resistance	Japanese Building Maintenance Association ASHRAE (American Society of Heating, Refrigerating, and Air-Conditioning Engineers)
0.030 mg/m <sup>3</sup>	0.110 mg/m <sup>3</sup>	0.150 mg/m <sup>3</sup>
<b>CLEAN</b>		<b>DUSTY</b>
<b>Panasonic Dust Test Standard</b>		

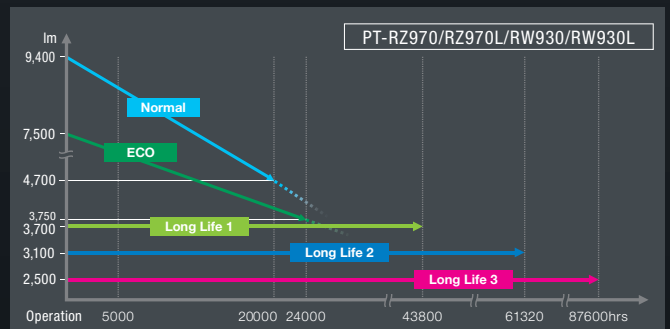
## Selectable Operational Modes Maintain Image Quality Longer

### Approx. 20,000 Hours\*5 of Continuous Operation

In Normal Mode, the PT-RZ970 Series can operate continuously for about 20,000 hours\*5. In Eco Mode, this is extended to around 24,000 hours\*5 of continuous operation. These modes enhance suitability for education and signage applications.

### Up to 10 Years\*6 Operation with Constant Brightness Modes

In environments where full brightness is not necessary, such as surveillance, control, and simulation rooms, constant operation modes extend light-source replacement to up to 87,600 hours\*6 in Long Life 3 Mode—about 10 years of 24/7 projection—with consistent brightness and color.



## User Operating Mode

In addition to preset operating modes, the PT-RZ970 Series can be customized to achieve your preferred balance of brightness performance or extended life.

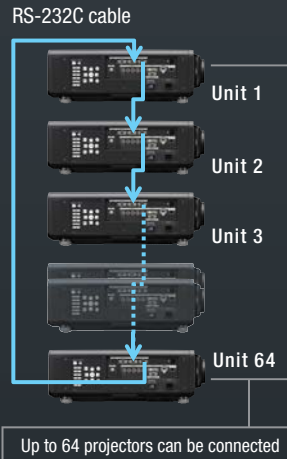
\*5 At this time the brightness will have decreased to approximately half of its original level (Dynamic Contrast Mode: 3, Image Mode: Dynamic). Panasonic recommends cleaning or checkup at point of purchase after 20,000 hours (approximately). Light source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. \*6 With Operating Mode set to Long Life 3. Long Life Mode is tested in conditions with 0.015 mg of particulate matter per cubic meter (simulating rear-box projection environment), which is not compliant with ASHRAE. 24 hours/day x 365 days/year x 10 years = 87,600 hours. Replacement of parts other than the light source may be required in a shorter period.

## Versatile Installation Flexibility

### Unique Contrast Sync and Shutter Sync Function

The PT-RZ970 Series is among the world's first to feature Contrast Sync and Shutter Sync functions (Patent Pending) for multi-screen and mapping applications. Contrast Sync allows the projectors' digitally modulated contrast function to be synchronized over the network for consistent picture quality across screens, while Shutter Sync incorporates a master/slave principle to synchronize shutter on/off timing between all networked projectors. It includes simultaneous fade-in and fade-out functions.

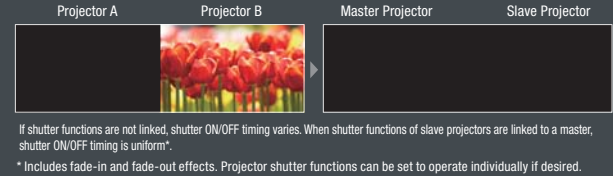
Note: Use of straight cable is necessary for all RS-232C connections. Consult your sales representative for further information.



#### Contrast Sync



#### Shutter Sync



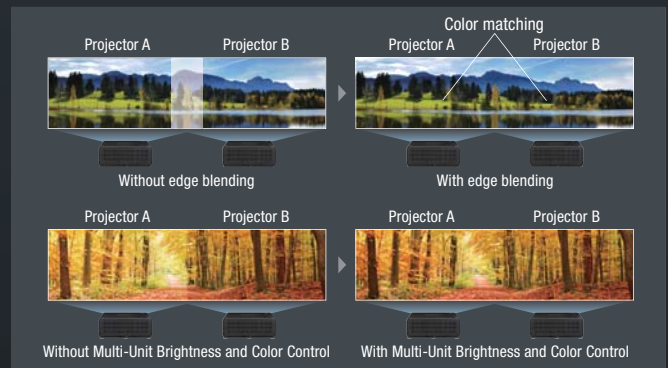
## Multi-Screen Support System Seamlessly Connects Multiple Screens

**Edge Blending** Edges of adjacent screens can be blended and their luminance controlled

**Color Matching** Corrects for slight variations in the color reproduction range of individual projectors. PC software assures easy, accurate control

### Multi-Unit Brightness and Color Control

This function automatically corrects brightness and color fluctuations that occur over time in individual projectors in a multi-screen system. Control up to eight projectors connected via hub increasing to a maximum of 2,048 projectors with Multi Monitoring & Control Software.



## Geometric Adjustment for Custom Screen Surfaces

Geo Adjustment adapts the image for projection onto spherical, cylindrical, and other specially shaped screens. Fine-tuning is performed with the remote control, with no external equipment needed. Paired with Multi-Screen Support System, highly creative mapping presentations are possible in variety of event and staging applications.

### Geometry Manager Pro Software (PT-RZ970/RZ970L Only)

Geometry Manager Pro software expands built-in functionality and makes complex adjustments easy. The free software package includes enhanced color matching and edge blending for multi-screen projection and adjustment of multiple screens over the network.

### Optional ET-UK20 Series Upgrade Kit for Geometry Manager Pro (PT-RZ970/RZ970L Only)

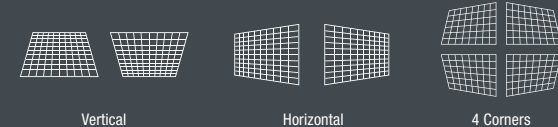
An optional ET-UK20 Upgrade Kit for Geometry Manager Pro adds creative masking capability using four lines or bitmap data as well as uniformity correction and correction area expansion.

### Optional ET-CUK10 Series\*7 Auto Screen Adjustment Upgrade Kit (PT-RZ970/RZ970L Only)

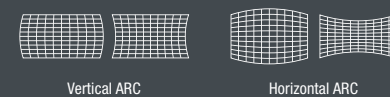
This optional kit activates the Auto Screen Adjustment plug-in software for Geometry Manager Pro, allowing you to set up multiple projectors automatically and simultaneously and save significant amounts of time and money. Performing multi-screen and curved-screen projection calibration in three quick steps using a camera\*8 and PC connected to the projector network, this software encompasses geometric adjustment, edge blending, color matching, stacking, brightness, and black level.

\*7 Available worldwide except the United States. \*8 Supported cameras are Nikon D5200/D5300/D5500.

#### Vertical, Horizontal, and Corner Keystone Correction



#### Curved Screen Correction



## Reduce Inventory Costs with Shared Lenses

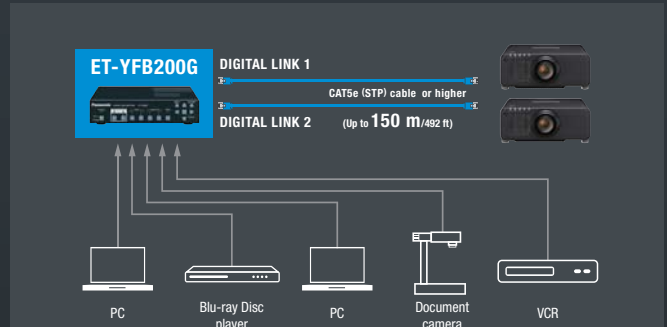
The PT-RZ970 Series shares optional lenses with Panasonic 1-Chip DLP™ projector range, including the ET-DLE030 Ultra-Short-Throw Lens and ET-DLE085 Zoom Lens for long throw distances, reducing TCO for staging and event companies with large projector inventories. Lenses attach and detach with one-touch ease.

## Easy System Flexibility

### Single-Cable DIGITAL LINK Control and Video Connection

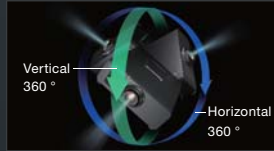
Upward HDBaseT™-compatible DIGITAL LINK supports transmission of uncompressed Full HD video and control commands through a single CAT 5e or higher STP cable for distances of up to 150 m (492 ft)\*9. Add an optional DIGITAL LINK Switcher or Digital Interface Box to further simplify installation in large venues while reducing cost and improving reliability at the same time.

\*9 150 m (492 ft) transmission available only in Long Reach Mode with optional ET-YFB200G DIGITAL LINK Switcher for signals up to 1080/60p (dot-clock frequency 148.5 MHz). Transmission distance is up to 100 m (328 ft) in other cases.



### Free 360-degree Rotation

Projection is possible in any direction vertically and horizontally, and the unit can be rotated 360 degrees for installation at any angle.



### Supports Art-Net DMX, Crestron Connected™, and PLink™

PT-RZ970 Series is compatible with Art-Net DMX protocol for lighting management. This allows the projector to be connected to a lighting console, opening the door to a range of added functionality and control options. The included LAN/DIGITAL LINK terminal also supports Crestron Connected™ and PLink™ (Class 1) for seamless integration of PT-RZ970 Series projectors into an existing AV network utilizing multiple device brands.



### Backup Input Setting Optimizes Performance

This feature allows smooth switching to a backup input signal should the primary signal be disrupted\*10, guaranteeing reliability for mission-critical control rooms, projection mapping, staging, and in other applications where image display must be maintained.

\*10 Combination of primary/secondary input terminals is fixed. The Backup Input Setting is enabled only when the input signal to the primary and secondary terminals is the same.

### Quick Start, Quick Off

The laser light-source doesn't require any warm-up, so images appear almost instantly (in about 1 second\*11) with PT-RZ970 Series projectors. There's also no cool-down period needed when turning the power off at the mains—the projector can be turned on and off any time as necessary.

\*11 With Quick Startup Mode set to ON. Quick Startup Mode resets to OFF after duration set in Available Period expires. When Quick Startup Mode is set to ON, the projector continues to warm up, increasing power consumption. Image appears in about 9 seconds on Normal Standby Mode and about 12 seconds on Eco Standby Mode.

### Multi Monitoring & Control Software

This free Panasonic software offers monitoring and control of up to 2,048 devices over a LAN network from a single PC. For monitoring, status for individual devices can be listed in groups, with more detailed information shown separately. Control functions include power ON/OFF, input switching, scheduling, and command inputs.

### Web Browser Control

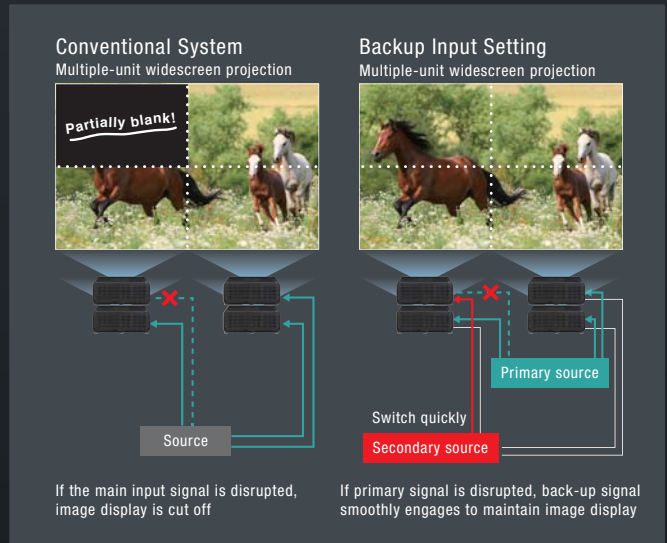
The PT-RZ970 Series can be easily operated remotely over a LAN network via a computer's web browser. Projectors can be configured to alert the operator via email if an error has occurred.

### Other Valuable Features

- DICOM Simulation Mode reproduces easy-to-view rendering of X-ray photos\*12
- Rec. 709 mode for HDTV projection to provide accurate colors
- Waveform Monitor for simple yet precise calibration
- Lens-centered design and a wide horizontal/vertical lens shift
- Shutter effect with fade in/fade out (configurable in 0.5-second intervals from 0.5 to 4.0 seconds, or to 5-, 7-, or 10-second intervals)
- PLink™ compatibility
- P-in-P function\*13
- Image rotation function

- On-screen menu rotatable in Portrait Mode
- Scheduling function
- 30 m (98 ft) long-range wireless remote control
- Anti-theft features including chain opening and security bar
- Customizable start-up logo
- ID assignment for up to 64 units
- Built-in test pattern
- Selectable 10-language on-screen menu (English, German, French, Spanish, Italian, Portuguese, Russian, Japanese, Chinese, Korean)
- RoHS Directive-compliant

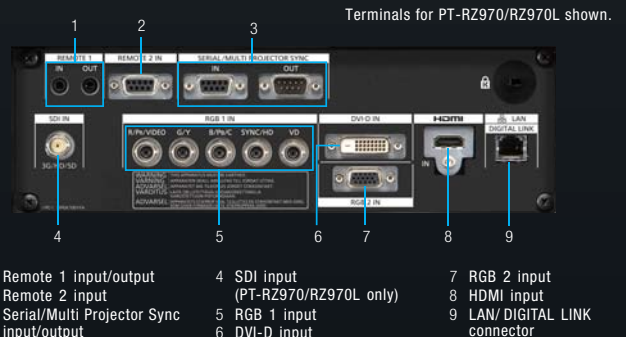
\*12 This product is not a medical instrument. Do not use for actual medical diagnosis. \*13 The Picture-in-Picture function cannot be used with certain inputs and input signals.



### Early Warning Software ET-SWA100 Series (Optional)

Early Warning Software monitors the status of projectors and displays connected to an intranet, and informs the operator when an abnormality is detected or predicted, or when there are symptoms of trouble. This minimizes downtime to provide more stable operation.

### Terminals





# Specifications

Model	PT-RZ970/RZ970L	PT-RW930/RW930L	PT-RX110/RX110L
Power supply	AC 100–240 V, 50/60 Hz		
Power consumption	Normal: 1,050 W, Eco: 770 W, Long Life 1: 480 W, Long Life 2: 440 W, Long Life 3: 390 W, Shutter (closed): 85 W (Operating temperature 25 °C [77 °F], altitude 700 m [2,297 ft], IEC62087: 2008 Broadcast Content, Picture Mode: Standard, Dynamic Contrast: 2), 85 W with Quick Startup Mode set to ON, 0.2 W with Standby Mode set to ECO, 3 W with Standby Mode set to Normal		
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)	17.8 mm (0.7 in) diagonal (4:3 aspect ratio)
	Display method	DLP™ chip × 1, DLP™ projection system	
	Pixels	2,304,000 (1920 × 1200) pixels	1,024,000 (1280 × 800) pixels
Lens	PT-RZ970: Powered zoom (throw ratio 1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RZ970L: Optional powered zoom/focus lenses		PT-RW930/RX110: Powered zoom (throw ratio 1.8–2.5:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RW930L/RX110L: Optional powered zoom/focus lenses
Light source	Laser diodes laser Class 1 (Class 3R for US models), light source life*1: 20,000 hours (Normal Mode) / 24,000 hours (Eco Mode). At this time the brightness will have decreased to approximately half of its original level.		
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 (PT-RZ970/RZ970L/RW930/RW930L), 4:3 aspect ratio (PT-RX110/RX110L)		
Brightness	10,000 lm (Center)*1/9,400 lm*2		10,400 lm (Center)*1/10,000 lm*2
Center-to-corner uniformity*2	90 %		
Contrast*2	10,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)		
Resolution	1920 × 1200 pixels	1280 × 800 pixels	1024 × 768 pixels
Scanning frequency	SD-SDI	SMPTE ST 259 compliant, [YCbCr 4:2:2 10-bit] 525i (480i), 576i (625i)	
	HD-SDI	SMPTE ST 292 compliant, [YPbPr 4:2:2 10-bit] 720 (750)/60p, 720 (750)/50p, 1080 (1125)/60i, 1080 (1125)/50i, 1080 (1125)/25p, 1080 (1125)/24p, 1080 (1125)/24sF, 1080 (1125)/30p	
	3G-SDI	SMPTE ST 424 compliant, [RGB 4:4:4 12-bit/10-bit] 1080 (1125)/60i, 1080 (1125)/50i, 1080 (1125)/25p, 1080 (1125)/24p, 1080 (1125)/24sF, 1080 (1125)/30p, 2K/24p, 2K/25p, 2K/30p, [YPbPr 4:2:2 10-bit] 1080 (1125)/60p, 1080 (1125)/50p, 1080 (1125)/25p, 1080 (1125)/24p, 2K/48p, 2K/50p, 2K/60p	
	HDMI/DVI-D/DIGITAL LINK	480i (525i)*3, 576i (625i)*3, 480p (525p), 576p (625p), 720 (750)/60p, 720 (750)/50p, 1080 (1125)/60i, 1080 (1125)/50i, 1080 (1125)/25p, 1080 (1125)/24p, 1080 (1125)/24sF, 1080 (1125)/30p, 1080 (1125)/60p, 1080 (1125)/50p, VGA (640 × 480)–WUXGA*4 (1920 × 1200) (compatible with non-interlaced signals only), dot clock: 25–162 MHz	
	RGB	fH: 15–100 kHz, fV: 24–120 Hz, dot clock: 20–162 MHz	
YPbPr (YCbCr)	fH: 15.73 kHz, fV: 59.9 Hz [480i (525i)], fH: 15.63 kHz, fV: 50 Hz [576i (625i)], fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p], fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i], fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i], fH: 27.00 kHz, fV: 24 Hz [1080 (1125)/24p], fH: 33.75 kHz, fV: 30 Hz [1080 (1125)/30p], fH: 56.25 kHz, fV: 50 Hz [1080 (1125)/50p], fH: 31.50 kHz, fV: 59.9 Hz [480p (525p)], fH: 31.25 kHz, fV: 50 Hz [576p (625p)], fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p], fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i], fH: 28.13 kHz, fV: 25 Hz [1080 (1125)/25p], fH: 27.00 kHz, fV: 48 Hz [1080 (1125)/24sF], fH: 67.50 kHz, fV: 60 Hz [1080 (1125)/60p]		
Video/YC	fH: 15.73 kHz, fV: 59.9 Hz (NTSC/NTSC4.43/PAL-M/PAL60), fH: 15.63 kHz, fV: 50 Hz (PAL/PAL-N/SECAM)		
Optical axis shift*5	Vertical (from center of screen)	+50 %, -16 % (powered)	+60 %, -16 % (powered)
	Horizontal (from center of screen)	+30 %, -10 % (+28 %, -10 % with ET-DLE085) (powered)	+50 %, -13 % (+45 %, -13 % with ET-DLE085) (powered)
Keystone correction range	Vertical: ±40 ° (±22 ° with ET-DLE085/DLE055, +5 ° with ET-DLE085/DLE055/DLE030), horizontal: ±15 ° (Cannot be operated with ET-DLE085/DLE055/DLE030)		Vertical: ±40 ° (±22 ° with ET-DLE085/DLE055, +5 ° with ET-DLE030), horizontal: ±15 ° (Cannot be operated with ET-DLE085/DLE055/DLE030)
Keystone correction range with optional Upgrade Kit ET-UK20	Vertical: ±45 ° (±40 ° with ET-DLE150/DLE250/supplied lens, ±22 ° with ET-DLE085/DLE055), horizontal: ±40 ° (±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 × 1: 3G/HD/SD-SDI input	—
	HDMI IN	HDMI 19-pin × 1 (Deep Color, compatible with HDCP)	—
	DVI-D IN	DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	—
	RGB 1 IN	RGB × 1 (BNC × 5): RGB/YPbPr/YCbCr/YC/VIDEO	—
	RGB 2 IN	D-sub HD 15-pin (female) × 1: RGB/YPbPr/YCbCr	—
	SERIAL/MULTI PROJECTOR SYNC IN	D-sub 9-pin (female) × 1 for contrast sync/shutter sync/external control (RS-232C compliant)	—
	SERIAL/MULTI PROJECTOR SYNC OUT	D-sub 9-pin (male) × 1 for contrast sync/shutter sync/RS-232C link control	—
	REMOTE 1 IN	M3 × 1 for wired remote control	—
	REMOTE 1 OUT	M3 × 1 for link control (for wired remote control)	—
	REMOTE 2 IN	D-sub 9-pin (female) × 1 for external control (parallel)	—
	LAN/DIGITAL LINK	RJ-45 × 1 for network, DIGITAL LINK connection, 100Base-TX, compatible with Art-Net, PjLink™	—
Cabinet materials	Molded plastic		
Dimensions (W × H × D)	498 × 200*6 × 581 mm (19 19/32" × 7 7/16"*6 × 22 7/16") (with supplied lens) 498 × 200*6 × 538 mm (19 19/32" × 7 7/16"*6 × 21 3/16") (without lens)		
Weight*7	Approx. 23.2 kg (51.1 lbs.) (with supplied lens), Approx. 22.4 kg (49.4 lbs.) (without lens)		
Operation noise*2	41 dB		
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*8, operating humidity: 10–80 % (no condensation)		
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro*9 (ET-UK20*10 Upgrade Kit and ET-CUK10*11 Auto Screen Adjustment Kit)		
Supplied accessories	Power cord with secure lock, wireless/wired remote control unit, batteries (R03/AAA type x 2), software CD-ROM (Logo Transfer Software, Multi Monitoring & Control Software), projection lens cover (models with lens only)		

Note: The PT-RZ970L/RW930L/RX110L delivers the same performance as the PT-RZ970/RW930/RX110, but comes without a lens.

\*1 Measured at center area of projector screen. Measurement method is in compliance with ISO/IEC 21118: 2012. Value is average of all products when shipped. May differ depending on actual unit. \*2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. \*3 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal). \*4 WUXGA resolution is supported with CVT-RB signals (WUXGA60RB) and CVT signals (WUXGA60/WUXGA50). \*5 Optical axis shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE030. \*6 With legs at shortest position. \*7 Average value. May differ depending on the actual unit. \*8 When used in locations from 0 m to 4,200 m (0 ft to 13,780 ft) above sea level in Normal Mode, and from 0 m to 2,700 m (0 ft to 8,858 ft) above sea level in other modes. If the ambient temperature exceeds 30 °C (86 °F) when used in locations from 0 m to 2,700 m (0 ft to 8,858 ft) above sea level, or if it exceeds 25 °C (77 °F) when used in locations from 2,700 m to 4,200 m (8,858 ft to 13,780 ft) above sea level, the light output may be reduced to protect the projector. \*9 Geometry Manager Pro software is available only with PT-RZ970/RZ970L. \*10 ET-UK20 Series is available only with PT-RZ970/RZ970L. \*11 ET-CUK10 Series is available only with PT-RZ970/RZ970L. Available worldwide except the United States.

The cabinet for each model is available in black or white.

Black models	PT-RZ970B PT-RW930B PT-RX110B	PT-RZ970LB PT-RW930LB PT-RX110LB	White models	PT-RZ970W PT-RW930W PT-RX110W	PT-RZ970LW PT-RW930LW PT-RX110LW
					

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