

## Efficient and Cost-Effective Laser Rear-Projection for Control Rooms, Surveillance Centers, and Museum Exhibition



### PT-RZ575

Resolution	WUXGA
Brightness	4,800 lm (Center) / 4,600 lm*
Contrast	20,000:1

\* Measured according to strict international ISO 21118 standards

### Vivid Pictures Are Bright and Detailed

- SOLID SHINE Laser Technology with the Latest Diodes Delivers High 4,800 lm Brightness
- WUXGA Resolution with the Latest DLP™ Technology
- Dynamic Light Control for 20,000:1\*<sup>1</sup> Contrast
- Rich Color Enhancer Prioritizes Color Saturation in Rooms Where Maximum Brightness is Unnecessary
- Accurate White Balance and Superior Color Reproduction Enabled By Quartet Color Harmonizer Technology
- Detail Clarity Processor 3 Assures Realistic Clarity for Fine Details
- Daylight View Basic Optimizes Images for Easy Visibility in Bright Environments

### Excellent Reliability and Longer Life

- Laser Light Source with Original Panasonic Technology Delivers Approximately 20,000 hours\*<sup>2</sup> of Continuous Operation
- Filterless Design Significantly Reduces Routine Maintenance
- Dust-Resistant Structure with Airtight Optical Block
- Selectable Operational Modes Extend Service Life to Up to 10 Years\*<sup>3</sup>
- Constant Brightness Mode for Stable Performance in Surveillance Rooms
- Backup Input Setting Maintains Image Display for Mission-Critical Applications

### Flexible and Functional Design

- Fixed Zoom Lens for Short-throw Rear Projection
- 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)\*<sup>4</sup>
- Free 360-degree Vertical and Horizontal Installation
- Powered Focus and Lens Shift
- Quick Start\*<sup>5</sup>/Quick Off (No Cool-down or Warm-up Required)
- Edge-blending Function Joins Screens Seamlessly
- Geometric Adjustment for Curved or Specially Shaped Screens
- Compatible with Art-Net, AMX, Crestron Connected™, and PLink™
- Compatible with Optional Early Warning Software (ET-SWA100 Series)

<sup>1</sup> With Dynamic Contrast set to ON. <sup>2</sup> Light source lifetime may be reduced depending on environmental conditions. <sup>3</sup> With Operating Mode set to Long Life 3. 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. <sup>4</sup> 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. <sup>5</sup> When Quick Startup is activated, projection starts about one second after the power button is pressed. Quick Startup mode resets to OFF if the projector has not been switched on for more than 90 minutes to reduce power consumption.

## Specifications (Tentative)

Model	PT-RZ575	
Power supply	AC 100–240 V, 50/60 Hz	
Power consumption	500 W (520 VA, 100 V AC), Normal: 375 W, Eco: 350 W, Silent: 350 W, Shutter: 40 W. [Operating temperature: 25 °C (77 °F), altitude: 700 m (2,297 ft), IEC62087: 2008 Broadcast Content, Picture Mode: Standard, Dynamic Contrast: ON], 0.5 W with STANDBY MODE set to ECO*, 10 W with STANDBY MODE set to Normal (22 W with STANDBY MODE in AUDIO SETTING set to ON and QUICK STARTUP function disabled, 50 W with QUICK STARTUP function enabled). [Operating temperature: 25 °C (77 °F), altitude: 700 m (2,297 ft), IEC62087: 2008 Broadcast Content]	
DLP™ chip	Panel size	17.0 mm (0.67 inches) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip × 1, DLP™ projection system
	Pixels	2,304,000 (1920 × 1200) × 1
Lens	Fixed zoom lens (throw ratio 0.8:1, powered focus F 1.8, f 11.9 mm)	
Light source	Laser diode (Laser class: Class 1) (Class 3R for North America) Luminance life: 20,000 hours at half luminance (Normal Mode, Temperature: 35 °C [95 °F], altitude: 700 m [2,297 ft], Dust: 0.15 mg/m <sup>3</sup> )	
Filter	Filter-Free (Dust resistant design)	
Screen size (diagonal)	1.02–7.62 m (40–300 inches)	
Brightness	4,800 lm (Center) <sup>*3</sup> / 4,600 lm <sup>*2+3</sup>	
Center-to-corner uniformity <sup>*2</sup>	90 %	
Contrast <sup>*2</sup>	20,000:1 (Full On/Full Off, Dynamic Mode and Dynamic Contrast: ON)	
Resolution	1920 x 1200 pixels	
Scanning frequency	HDMI/DVI-D/DIGITAL LINK	fh: 27–100 kHz, fv: 24–120 Hz, dot clock: 25–162 MHz, 525i (480i) <sup>*4</sup> , 625i (576i) <sup>*4</sup> , 525p (480p), 625p (576p), 750 (720/60p, 750 (720/50p), 1125 (1080/60i, 1125 (1080/50i), 1125 (1080/24p, 1125 (1080/24sF, 1125 (1080/30p, 1125 (1080/60p, 1125 (1080/50p, VGA (640 x 480)–WUXGA <sup>*5</sup> (1920 x 1200), compatible with non-interfaced signals only
	RGB	fh: 15–100 kHz, fv: 24–120 Hz, dot clock: 20–162 MHz
	YPbPr (Y/Ca/Cr)	fh: 15.73 kHz, fv: 59.94 Hz [525i (480i)], fh: 15.63 kHz, fv: 50 Hz [625i (576i)], fh: 31.50 kHz, fv: 60 Hz [525p (480p)], fh: 31.25 kHz, fv: 50 Hz [625p (576p)], fh: 45.00 kHz, fv: 60 Hz [750 (720/60p)], fh: 37.50 kHz, fv: 50 Hz [750 (720/50p)], fh: 33.75 kHz, fv: 60 Hz [1125 (1035/60i)], fh: 33.75 kHz, fv: 60 Hz [1125 (1080/60i)], fh: 28.13 kHz, fv: 50 Hz [1125 (1080/50i)], fh: 28.13 kHz, fv: 25 Hz [1125 (1080/25g)], fh: 27.00 kHz, fv: 24 Hz [1125 (1080/24p)], fh: 27.00 kHz, fv: 48 Hz [1125 (1080/24sF)], fh: 33.75 kHz, fv: 30 Hz [1125 (1080/30p)], fh: 67.50 kHz, fv: 60 Hz [1125 (1080/60p)], fh: 56.25 kHz, fv: 50 Hz [1125 (1080/50p)]
	Video	fh: 15.73 kHz, fv: 59.94 Hz (NTSC/NTSC4.43/PAL-M/PAL60), fh: 15.63 kHz, fv: 50 Hz (PAL/PAL-N/SECAM)
Optical axis shift <sup>*6</sup>	Vertical (from center of screen)	±4.4 % (powered)
	Horizontal (from center of screen)	±2.1 % (powered)
Keystone correction range	Vertical: ±25 °, Horizontal: ±20 °	
Installation	Ceiling/floor, front/rear, free 360 ° installation	
Terminals	HDMI IN	HDMI 19-pin × 2 (Deep Color, compatible with HDCP), Audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)
	DVI-D IN	DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
	COMPUTER 1 IN	D-sub HD 15-pin (female) × 1 (RGB/YPbPr/YCaCr/YC)
	COMPUTER 2 IN/1 OUT	D-sub HD 15-pin (female) × 1 (RGB/YPbPr/YCaCr)
	VIDEO IN	Pin jack × 1 (composite video)
	AUDIO IN 1	Pin jack × 2 (L-R × 2)
	AUDIO IN 2/3	M3 × 1 (L-R × 1) / M3 × 1 (L-R × 1)
	AUDIO OUT	M3 × 1 (L-R × 1) (variable)
	SERIAL IN	D-sub 9-pin (female) × 1 for external control (RS-232C compliant)
	LAN	RJ-45 × 1 for network connection, 10Base-T/100Base-TX, compatible with Art-Net, compliant with PJLink™ (Class 1)
	DIGITAL LINK	RJ-45 × 1 for network/DIGITAL LINK connection (video/audio/network/serial control), 100BASE-TX, compatible with Art-Net, Deep Color, HDCP, compliant with PJLink™ (Class 1)
	USB	Type A × 1 (5 V, 900 mA)
Cabinet materials	Molded plastic	
Dimensions (W × H × D)	498 × 168 <sup>*8</sup> × 481 mm (19 5/8" × 6 5/8" × 18 15/16")	
Weight <sup>*7</sup>	Approximately 17.0 kg (37.5 lbs)	
Operation noise <sup>*2</sup>	28 dB (Silent Mode), 33 dB (Normal/Eco Mode)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>*9</sup> , operating humidity: 10–80 % (no condensation)	
Supplied accessories	Power cord with secure lock × 1 (x 2 for EU models), wireless remote control unit × 1, batteries for remote control (R03/AAA or LR03/AAA type × 2), software CD-ROM (Logo Transfer Software, Multi Monitoring & Control Software × 1)	

\*1 When Standby Mode is set to Eco, network functions such as power on over LAN will not operate. \*2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. \*3 With operation mode set to Normal. \*4 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal). \*5 WUXGA resolution supports CVT-RB signals (WUXGA60RB) and CVT (WUXGA60/WUXGA50) signals. \*6 When installed in conventional orientation, upper side and right side facing toward the screen are "+". When installed on the ceiling, bottom side and left side are "+". \*7 Average value. May differ depending on the actual unit. \*8 With legs at shortest position. \*9 The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) when the projector is used at altitudes between 1,400 m (4,593 ft) and 4,200 m (13,780 ft) above sea level. When [PROJECTOR SETUP] menu > [OPERATION SETTING] > [OPERATING MODE] is set to [ECO] or [SILENT], the projector cannot be used at an altitude of 2,700 m (8,858 ft) or higher above sea level. When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level and the operating environment temperature is 35 °C (95 °F) or higher, 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 is 25 °C (77 °F) or higher, light output may be reduced to protect the projector.

## Optional Accessories

■ Early Warning Software  
ET-SWA100 Series

■ DIGITAL LINK Switcher  
ET-YFB200G

■ DIGITAL Interface Box  
ET-YFB100G

■ Ceiling Mount Bracket  
ET-PKD120H (for high ceiling)  
ET-PKD120S (for low ceiling)

■ Projector Mount Bracket  
ET-PKD130B

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All information included here is valid as of June 2016.

PT-RZ575PRE1 Printed in Japan.