1-Chip DLP™ Projector

PT-RZ570

Set a New Standard for Picture Quality and Low-Maintenance Endurance in Versatile Applications with Acclaimed SOLID SHINE Laser Technology

PT-RZ570W

PT-RZ570B

5,400 lm (Center) 5,200 lm WUXGA 20,000 : 1

1-Chip DLP™ Projector

PT-RZ575

Engineered for Unfailing Set-and-Forget Rear-Projection Reliability in Surveillance, Signage, and Exhibition Roles

PT-RZ575

5,200 lm (Center) 5,000 lm WUXGA 20,000 : 1
What do I want in a projector?

Excellent Picture Quality

Bright Pictures in WUXGA
SOLID SHINE Laser is paired with the latest 1-Chip DLP™ technology to guarantee bright and detailed pictures. Powerful solid-state light source and four-segment color wheel boosts color performance without sacrificing brightness.

Image Quality Maintained

Anti-Dust Protection
These projectors are virtually dustproof thanks to sealed optics. Forget downtime: with no lamp or filter replacement, and the image-degrading effect of dust minimized, you can expect about 20,000 hours* of maintenance-free projection with consistently brilliant picture quality.

Low Running Costs

Low Total Cost of Ownership
SOLID SHINE Laser projectors are cheaper to run, end of story. They require almost no maintenance, and with a variety of ECO features, use much less energy to operate continuously.

Instant Projection

Quick Start* and Quick Off
Because the PT-RZ570 Series is powered by SOLID SHINE Laser, you can turn the projector on and off any time you like. With Quick Startup Mode, projection begins in about one second*. No warm up period, no wait.

Free Installation

360-degree Projection
SOLID SHINE Laser projectors can be mounted vertically or horizontally through 360 degrees. This flexibility enables projection from virtually any angle.

Reduced Operational Noise

Quiet Running
A variety of technologies work together to reduce operational noise to just 28 dB* in Silent Mode, minimizing distracting noise and keeping audiences focused on the presentation.

* Panasonic recommends cleaning or checkup at point of purchase after 20,000 hours (approximately). Light source lifetime may be reduced depending on environmental conditions. Dustproof tests are conducted to confirm operational effectiveness under conditions with 0.15 mg/m³ of particulate matter (based on tests by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers [ASHRAE] and the Japanese Building Maintenance Association). Measurements are made using acceleration tests.

* When ECO MANAGEMENT > QUICK STARTUP is set to ON. Quick Start is unavailable after Available Period setting has expired. When QUICK STARTUP is set to OFF, the projector continues to warm up, increasing power consumption.

* In Silent Mode. 33 dB in Normal Eco Mode.
SOLID SHINE Laser Enhanced with the Latest DLP™ Technology

Together with the latest DLP™ module for detailed WUXGA resolution and new-generation solid-state laser diodes for high brightness, PT-RZ570 Series’ outstanding performance stems from a Quartet Color Harmonizer wheel mechanism that reduces light energy loss while combining four segments to produce purer white. A heat-resistant phosphor wheel and optimized laser drive, meanwhile, boost perceived brightness and improve color accuracy.

Natural White Balance

Quartet Color Harmonizer is able to capture a wider section of the color gamut than comparable projectors, which in turn allows the mechanism to reproduce white more realistically on screen. In conventional projectors, if an ideal white balance isn’t achieved, images can appear with a distracting greenish tint.

Laser Module Maintains Picture Quality for Longer

Thanks to the long-lasting laser light-source module, there are no lamps to replace. Color and brightness degrades more gradually and in a linear rather than exponential fashion. As well as reducing maintenance hassle, picture quality is maintained for longer.

Rich Color Enhancer

Rich Color Enhancer offers a Dynamic Mode setting to increase image brightness, or Graphic Mode/Standard Mode, which adjusts color-wheel timing to produce deeper, richer colors in rooms where maximum brightness is unnecessary.

Dynamic Mode - for Brighter Images

Standard / Graphic Mode - for Colorful Images

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Convenient Features Make Life Easy

Silent 28 dB*1 Operation

Efficient cooling, color-wheel speed control, and light output efficiency helps keep operational noise down to a nearly inaudible 28 dB*1 to let the audience immerse more deeply in presented content.

Auto Screen Image Rotation

Images are automatically*2 rotated depending on installation orientation—upside down on the ceiling or set on a table—using a built-in angle sensor.

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.

Quick Start*3 and Quick Off

The laser light source does not require any warm-up time, so images appear almost instantly (about one second*3) with PT-RZ570 Series projectors. There’s also no cooling time required when turning the power off. Users can turn the projector on and off whenever necessary.
Dynamic Contrast Function
The PT-RZ570 Series features technology that directly modulates laser power output, enabling high contrast while reducing power consumption. Digitally controlled frame-by-frame scene-linking modulation ensures precisely adjusts light output, achieving accurate 20,000:1*4 contrast even when bright and dark scenes suddenly or frequently interchange.

Daylight View Basic Produces Crisp Images in Bright Rooms
Panasonic's Daylight View Basic technology achieves sharp, comfortably viewed images by enhancing detail, particularly in dark areas of the image that are normally difficult to see in brightly lit rooms. A built-in sensor measures ambient light while Daylight View Basic adjusts halftone color and brightness according to the surrounding level of illumination.

DICOM Simulation Mode*5
This imaging mode is similar to the DICOM Part 14 medical imaging standard. It lends a film-like resolution to X-ray images, making the PT-RZ570 Series ideal for medical presentations and training.

Conventional Projector Daylight View Basic

Dynamic Contrast Function

Detail Clarity Processor 3 Sharpens Fine 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 realism.

Conventional Projector

Dust-Resistant Airtight Optical Block
PT-RZ570 Series’ optical block—the heart of these projectors—is airtight. The design has passed stringent testing to assure reliable operation in dusty environments with 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. PT-RZ570 Series ensures consistent and long-lasting image quality for up to 20,000 hours*6 without maintenance.

Efficient Cooling System
Heat-pipe cooling for the laser light source and a heavy-duty heat sink for the DLP™ chip keep images crisp and bright while reducing fan speed, lowering noise levels and preventing distractions in quiet environments.

*4 With Dynamic Mode and Dynamic Contrast set to ON. *5 This product is not a medical instrument. Do not use for actual medical diagnosis. *6 Panasonic recommends cleaning or checkup at point of purchase after 20,000 hours (approximately). Light source lifetime may be reduced depending on environmental conditions. Dustproof tests are conducted by sumit operational effectiveness under conditions left 0.15 mg/m3 of particulate matter (based on tests by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers [ASHRAE], and the Japanese Building Maintenance Association). Measurements are made using acceleration tests.

Outstanding Brightness and Picture Quality

Long-lasting Reliability and Low Maintenance
Versatile Wide-range 2.0x Zoom with Lens Shift

The general-purpose PT-RZ570 features a versatile 2.0x zoom and handy joystick-operated wide-range lens shift. This grants flexibility for installation in different rooms and for projection onto different screens. To produce a 100-inch-diagonal wide-screen image, projection distance extends from approximately 3.1 m (10.2 ft) to approximately 6.3 m (20.7 ft).

Note: The PT-RZ575 features a fixed-focus lens with powered lens shift.

Ready for Custom Rear-Projection Applications with Fixed Short-Throw Lens

The PT-RZ575 incorporates short-throw lenses intended for rear projection. The projectors combine SOLID SHINE Laser’s high picture quality, reliability, and very low maintenance in a configuration that’s adapted to rear-projection box-projection applications in control rooms, surveillance centers, and for roles in digital retail signage and museum or event exhibition. The projectors are ready for quick and easy multi-screen setup with Panasonic’s optional and custom-fabricated Multi-Vision Box with Multi Window Processor (ET-MWP100G).

Single-Cable DIGITAL LINK Audio-Video and Control Connection

DIGITAL LINK supports transmission of uncompressed Full HD video, audio, and control commands through a single CAT 5e or higher STP cable for distances of up to 150 m (492 ft)¹. 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.

Art-Net DMX Compatible

PT-RZ570 Series is compatible with Art-Net DMX protocol for lighting management. Art-Net compatibility allows the projector to be connected to a lighting console with easy control of functions.

Fade In and Fade Out

Digital laser output power modulation technology also enables a handy Fade In/Fade Out function for a smoother presentation.

Up to 10 Years² 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 hours² in Long Life 3 Mode—about 10 years of 24/7 projection—with consistent brightness and color.

¹ 150 m (492 ft) transmission available only with ET-YFB200G DIGITAL LINK Switcher for signals up to 1080/60p (dot-clock frequency 148.5 MHz). *2 With Operating Mode set to Long Life 3. Long Life Mode is tested in a 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.
Edge Blending and Color Matching
Adjoining edges in a multi-screen system can be blended to create a smooth and seamless image. Slight variations in the color reproduction of individual projectors can be corrected in multi-screen applications.

Picture-in-Picture Capability
Two different image sources can be simultaneously displayed on a single screen: for example video via HDMI can be projected together with content from Computer 2 or DIGITAL LINK.

Screen Adjustment for Specially Shaped Screens
Horizontal, vertical, and corner keystone correction adjusts the image shape for clear visibility when projecting off-axis or from an unusual angle. Curved Screen Correction allows for the projection of natural, distortion-free images onto curved or cylindrical surfaces.

ECO Management System
Push the ECO button on the remote control to set up Eco Management functions, including automatic brightness reduction in dim ambient conditions, and power consumption reduction when no input signal is detected.

Terms of the agreement shown.

Optional Accessories

For more information, please visit our global website: panasonic.net/avc/projector
* Use ET-PKD120H Ceiling Mount Bracket (for high ceiling) and ET-PKD130B Ceiling Mount Bracket (for low ceiling) in combination with ET-PKD120S Projector Mount Bracket.
**Specifications**

**Model**
- PT-RZ570
- PT-RZ575

### Power supply
- AC 100–240 V, 50/60 Hz

### Power consumption
- 510 W (201 VA), 350 W (20 VA), 350 W (40 VA), 350 W (50 VA), 350 W (60 VA) (Operating temperature: 25 °C [77 °F]), 700 W (2,978 ft), 9EC2989: 2008 Broadcast Content Picture Mode: Standard, Dynamic Contrast: ON, 0.5 W with STANDBY MODE set to Eco/D, 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.

### DLP™ chip
- Panel size: 1.77 mm (0.07 inch) diagonal (16:10 aspect ratio)
- Display method: DLP
- Projector system: DLP
- Pixels: 2,304,000 (1920 × 1200) × 1

### Lens
- Manual zoom (x2 / manual focus (1.64–3.94) / F: 2.0–3.4 / 3.17–7.62 mm)
- Fixed zoom lens: three times (φ: 1.75, F: 1.75, 1.19 mm)

### Light source
- Laser light: Laser Class I (Class I 36 W 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/m³

### Screen size (diagonal)
- 1.02–7.62 m (40–300 inches)

### Brightness
- 4,400 lm (Center) / 4,200 lm (Center) / 4,000 lm (Center)
- 2,700 lm (2,878 ft) / 2,500 lm (2,669 ft) / 2,300 lm (2,461 ft)

### Center-to-corner uniformity
- 95 %

### Contrast
- 20.000:1 (Digital, Full On/Full Off, Dynamic Mode, and Dynamic Contrast: ON)

### Resolution
- 1920 × 1200 pixels

### Scanning frequency
- HDMI/DVI-D/DIGITAL LINK: 27–71 MHz (V), 24–120 Hz (clock signal), dot clock: 25–162 kHz
- YPrPb (YCbCr): 45.00 kHz–60.00 kHz, 37.50 kHz–75.00 kHz (50 Hz), 31.25 kHz–50.00 kHz (60 Hz)
- DVI-D: 45.00 kHz–60.00 kHz, 37.50 kHz–75.00 kHz (50 Hz), 31.25 kHz–50.00 kHz (60 Hz)
- DIGITAL LINK: 50.00 kHz–60.00 kHz (50 Hz), 48.00 kHz–60.00 kHz (60 Hz)

### Dimensions
- 6.35 (250˝)
- 5.08 (200˝)
- 3.81 (150˝)
- 3.05 (120˝)
- 2.54 (100˝)
- 2.29 (90˝)
- 1.78 (70˝)
- 1.52 (60˝)
- 1.27 (50˝)
- 1.02 (40˝)
- 0.96 (35˝)

### Projection distance

<table>
<thead>
<tr>
<th>Projection image size</th>
<th>Projection distance (H)</th>
<th>Height from the edge of screen to center of lens (H)</th>
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<tbody>
<tr>
<td>(Diagonal/Inch)</td>
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<td>max.</td>
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<td>PT-RZ570</td>
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<td>PT-RZ575</td>
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Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. DLP™ logo and DLP™ Medallion logo are trademarks or registered trademarks of Texas Instruments. The projection distances and those ratios given in this leaflet are for use only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product. The PJLink trademark is an open standard (Dynamic Contrast: ON, 0.5 W with STANDBY MODE set to Eco/D, 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. All other trademarks are the property of their respective trademark owners. Projected images simulated. 36 USC 232506 © 2016 Panasonic Corporation. All rights reserved.

All information included here is valid as of September 2016.

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**Projection distance**

**Unit: meters (feet)**

For more information about Panasonic projectors, please visit: Projector Global Website – panasonic.net/avc/projector Facebook – www.facebook.com/panasonicprojector YouTube – www.youtube.com/user/PanasonicProjector

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