

## Ultra-High-Brightness 3-Chip DLP™ SOLID SHINE Laser Projectors Excel in 30,000-Im Range



PT-RZ31K Series

	PT-RZ31K	PT-RS30K
Brightness	31,000 Im (Center), 30,000 Im*	
Resolution	WUXGA	SXGA+
Contrast	20,000:1	

\* Measured according to strict international ISO 21118 standards

### Original Technology for Elite Performance

- Combines 3-Chip DLP™ with Proprietary SOLID SHINE Laser Technology for Bright and Immersive Picture Quality
- Accurate Rec. 709-compliant Color-space Reproduction
- Dual-Drive Laser Optical Engine Ensures Reliable 24/7 Operation
- Minimal Maintenance Required Under Continuous Operation\*1
- Dustproof Design Featuring Hermetically Sealed Laser Modules, Long-life Eco Filter, and Refined Air-intake System
- Efficient Cooling System for Stable Operation in Ambient Temperatures of Up to 45 °C (113 °F)\*2

### Magnificent Image Quality and Reliable Operation

- 31,000 Im\*3 Brightness from an Exceptionally Compact and Lightweight Body
- Real Motion Processor 120 Hz Frame-creation Technology for Smooth Motion Reproduction
- Dynamic Contrast Laser Light-source Modulation Achieves High 20,000:1 Contrast\*4
- Detail Clarity Processor 5 Clarifies and Enhances Fine Details with Advanced Processing Algorithm
- System Daylight View 3 Improves Color Perception in Bright Environments and in Mapping Applications
- Quiet Operation with Original Cooling Technology

### Versatile System and Installation Flexibility

- Free 360-degree Installation (Vertical and Horizontal)
- Shares Optional Lenses with Panasonic 3-Chip DLP™ Projector Family
- 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)\*5
- Eyebolt Multi-rigging Compatibility
- Multiple Projector Stacking Available without Frame
- Convenient One-Box Design
- Multi-Screen Support System Seamlessly Connects Multiple Screens
- Multi-Unit Brightness and Color Control
- Geometry Manager Pro and Optional Upgrade Kit (ET-UK20 Series)

\*1 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 Light output may be reduced to protect certain projectors depending on environmental conditions. \*3 Luminance measured at center of screen in High Mode. Operation in High Mode may reduce maintenance timing in comparison to use in Normal Mode. \*4 Dynamic Contrast set to 3. \*5 150 m (492 ft) transmission available only in Long Reach Mode with the optional ET-YFB200G DIGITAL LINK Switcher. Signal resolution is limited to 1080/60p (dot-clock frequency 148.5 MHz) and below.

Specifications (Tentative)

Model	PT-RZ31K	PT-RS30K
Power supply	AC 200–240 V, 50/60 Hz; AC 100–200 V, 50/60 Hz (brightness is restricted with lower voltage)	
Power consumption	TBD	
DLP™ chip	24.4 mm (0.96 inches) diagonal (16:10 aspect ratio)	24.1 mm (0.95 inches) diagonal (4:3 aspect ratio)
Display method	DLP™ chip × 3, DLP™ projection system	
Pixels	6,912,000 (1920 × 1200 × 3) pixels	4,410,000 (1400 × 1050 × 3) pixels
Refresh rate	120 Hz <sup>*1</sup>	
Lens	Optional (no lens included with this model)	
Light source	Laser diodes	
Screen size (diagonal)	1.78–25.4 m (70–1,000 in) with 16:10 aspect ratio 1.78–15.24 m (70–600 in) with the ET-D75LE8, 16:10 aspect ratio 3.05–15.24 m (120–600 in) with the ET-D75LE95, 16:10 aspect ratio	1.78–25.4 m (70–1,000 in) with 4:3 aspect ratio 1.78–15.24 m (70–600 in) with the ET-D75LE8, 4:3 aspect ratio 3.05–15.24 m (120–600 in) with the ET-D75LE95, 4:3 aspect ratio
Brightness	31,000 lm (Center)/30,000 lm <sup>2</sup> (High Mode) <sup>*3</sup>	
Center-to-corner uniformity <sup>*2</sup>	90 %	
Contrast <sup>*2</sup>	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)	
Resolution	1920 × 1200 pixels	1400 × 1050 pixels
Scanning frequency	SD-SDI SMPTE ST 259 compliant, [YCbCr 4:2:2 10-bit] 480i, 576i HD-SDI SMPTE ST 292 compliant, [YPbPr 4:2:2 10-bit] 720/60p, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sf, 1080/30p Dual-link HD-SDI SMPTE ST 372 compliant, [RGB 4:4:4 12-bit/10-bit] 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sf, 1080/30p, 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p, 2048 × 1080/24sf, 2048 × 1080/30p 3G-SDI SMPTE ST 424 compliant, [RGB 4:4:4 12-bit/10-bit] 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sf, 1080/30p, 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p, [YPbPr 4:2:2 10-bit] 1080/60p, 1080/50p, 2048 × 1080/48p, 2048 × 1080/50p, 2048 × 1080/60p, 2048 × 1080/50p, 2048 × 1080/25p, 2048 × 1080/30p Dual-link 3G-SDI SMPTE ST 425 compliant, [YPbPr 4:4:4 12-bit/10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/50p, 2048 × 1080/48p, [RGB 4:4:4 12-bit/10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/50p, 2048 × 1080/48p HDMI/DVI-D/DIGITAL LINK Compatible with HDCP, 480i <sup>*4</sup> , 576i <sup>*4</sup> , 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sf, 1080/25p, 1080/30p, 1080/60p, 1080/50p, 640 × 400–WUXGA <sup>*5</sup> (1920 × 1200) (compatible with non-interlaced signals only), dot clock: 25–162 MHz RGB fh: 15–100 kHz, iv: 24–120 Hz, dot clock: 20 MHz–162 MHz YPbPr (YCbCr) fh: 15.73 kHz, iv: 59.94 Hz [480i (525i)], fh: 15.63 kHz, iv: 50 Hz [576i (625i)], fh: 31.47 kHz, iv: 59.94 Hz [480p (625p)], fh: 31.25 kHz, iv: 50 Hz [576p (625p)], fh: 45.00 kHz, iv: 60 Hz [720 (750)/60p], fh: 37.50 kHz, iv: 50 Hz [720 (750)/50p], fh: 33.75 kHz, iv: 60 Hz [1080 (1125)/60i], fh: 28.13 kHz, iv: 50 Hz [1080 (1125)/50i], fh: 28.13 kHz, iv: 25 Hz [1080 (1125)/25p], fh: 27.00 kHz, iv: 48 Hz [1080 (1125)/24sf], fh: 33.75 kHz, iv: 30 Hz [1080 (1125)/30p], fh: 67.50 kHz, iv: 60 Hz [1080 (1125)/60p], fh: 67.50 kHz, iv: 60 Hz [1080 (1125)/50p], fh: 56.25 kHz, iv: 50 Hz [1080 (1125)/50p] Video/YC fh: 15.73 kHz, iv: 59.94 Hz (NTSC/NTSC4.43/PAL-M/PAL60), fh: 15.63 kHz, iv: 50 Hz (PAL/PAL-N/SECAM)	
Optical axis shift <sup>*6</sup>	Vertical (from center of screen) ±55 % (±44 % with ET-D75LE6, +68 % – +78 % with ET-D75LE95) (powered) Horizontal (from center of screen) ±20 % (±15 % with ET-D75LE6, ±12 % with ET-D75LE95) (powered)	±50 % (±40 % with ET-D75LE6, +67 % – +71 % with ET-D75LE95) (powered) ±30 % (±20 % with ET-D75LE6, ±8 % with ET-D75LE95) (powered)
Keystone correction range	Vertical: ±40 ° (±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6), Horizontal: ±15 °	
Keystone correction range with optional Upgrade Kit ET-UK20	Vertical: ±45 ° (±40 ° with ET-D75LE10/20, ±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6), Horizontal: ±40 ° (±15 ° with ET-D75LE50/6), Up to a total of ±55 ° during simultaneous horizontal and vertical correction.	
Installation	Horizontal/vertical, free 360-degree installation	
Terminals	SDI 1 IN BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-A), Dual-link 3G-SDI (Link 1) SDI 2 IN BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-B), Dual-link 3G-SDI (Link 2) 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) RGB 1 IN RGB × 1 (BNC × 5): RGB/YPbPr/YCbCr/VIDEO RGB 2 IN D-sub HD 15-pin (female) × 1: RGB/YPbPr SYNC 1 IN / OUT / MULTIPROJECTOR SYNC IN BNC × 1 SYNC 2 OUT / MULTIPROJECTOR SYNC OUT BNC × 1 SERIAL IN D-sub 9-pin (female) × 1 for external control (RS-232C compliant) SERIAL OUT D-sub 9-pin (male) × 1 for link control REMOTE 1 IN / OUT M3 × 1 for wired remote control, link 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, PLink™ (class 1), Deep Color, HDCP DC OUT USB Type A × 2 for power supply (DC 5 V, max 900 mA)	
Cabinet materials	Metal (Partly molded plastic)	
Dimensions (W × H × D)	706 mm × 420 mm × 1,290 mm (27 <sup>25/32</sup> " × 16 <sup>17/32</sup> " × 50 <sup>25/32</sup> " (with protrusion parts)	
Weight <sup>*7</sup>	Approx. 79 kg (174 lbs.)	
Operation noise <sup>*2</sup>	TBD	
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>*8</sup> , operating humidity: 10–80 % (no condensation) (TBD)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit), Smart PJ Control	

<sup>\*1</sup> Refresh-rate varies depending on vertical scanning frequency. <sup>\*2</sup> Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. <sup>\*3</sup> Operation in High Mode may reduce maintenance timing in comparison to use in Normal Mode. <sup>\*4</sup> Only compatible with dot clock frequency of 27 MHz (pixel repetition signal). <sup>\*5</sup> WUXGA resolution is supported only when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking). <sup>\*6</sup> Optical axis shift is not supported on the ET-D75LE50. <sup>\*7</sup> Average value. May differ depending on the actual unit. <sup>\*8</sup> When projector is operating at high altitude (1,400–2,700 m) [4,593–8,858 ft], operating temperature is 0–40 °C (32–104 °F). Light source brightness may decrease depending on operating temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly.

Optional Accessories

- Fixed-Focus Lens  
ET-D75LE50 / ET-D75LE95
- Replacement Filter Unit  
ET-EMF330
- Geometry Manager Pro Software Upgrade Kit  
ET-UK20 Series
- Digital Link Switcher  
ET-YFB200G
- Zoom Lens  
ET-D75LE6 / ET-D75LE10  
ET-D75LE20 / ET-D75LE30  
ET-D75LE40 / ET-D75LE8
- Smoke Cut Filter  
ET-SFR330
- Early Warning Software  
ET-SWA100 Series
- Digital Interface Box  
ET-YFB100G



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, DLP logo and DLP Medallion logo are trademarks or registered trademarks of Texas Instruments. HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries. The PLink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. All other trademarks are the property of their respective trademark owners. © 2016 Panasonic Corporation. All rights reserved.



For more information about Panasonic projectors, please visit:  
Projectors European Website – [business.panasonic.co.uk/visual-system](http://business.panasonic.co.uk/visual-system)  
Facebook – [www.facebook.com/PanasonicVisualSolutionsEU](https://www.facebook.com/PanasonicVisualSolutionsEU)  
YouTube – [www.youtube.com/user/PanasonicBusiness](https://www.youtube.com/user/PanasonicBusiness)

[www.panasonic-center.at](http://www.panasonic-center.at)

All information included here is valid as of June 2016.