

Ultra-Bright 4K+ SOLID SHINE Laser Projector Delivers Flagship Image Quality for Rental and Staging



PT-RQ32K	
Resolution	4K+
Brightness	27,000 lm (Center) / 26,000 lm*
Contrast	20,000:1

* Measured according to strict international ISO 21118 standards

Spectacular Image Quality

- Ultra-Bright 27,000 lm*1 3-Chip DLP™ SOLID SHINE Laser Projection
- Quad Pixel Drive Technology Creates Breathtakingly Detailed 4K+ Images
- Real Motion Processor for Liquid-Smooth Motion Reproduction with 240 Hz Frame Rate
- Consistent Brightness Uniformity and Constant Brightness
- Accurate Rec. 709-compliant Color-space Reproduction
- Detail Clarity Processor 5+ Enhances Video Sources for Detailed 4K+ Images
- Dynamic Contrast Function for High 20,000:1*2 Contrast
- System Daylight View 3 Ensures Sharp Images for Projection Mapping Applications and Bright Environments

Failsafe Reliability

- Dust-resistant Design Featuring Shielded Laser Drive
- Dual-Drive Laser Optical Engine Ensures Reliable 24/7 Operation
- Minimal Maintenance Required Under Continuous Operation
- Efficient Cooling System for Operational Stability in High Ambient Temperatures
- Backup Input Setting Assures Reliability and Optimizes Performance
- Power Management Function Prevents Downtime Due to Insufficient Voltage

Versatile System and Installation Flexibility

- Free 360-degree Installation (Vertical and Horizontal)
- DIGITAL LINK Supports Transmission of Uncompressed 4K Video and Control Commands Through a Single CAT 5e or Higher STP Cable for Distances of Up to 50 m (164 ft)*3
- 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)

Specifications (Tentative)

Model	PT-RQ32K
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 Panel size	22.9 mm (0.9 in) diagonal (16:10 aspect ratio)
Display method	DLP™ chip × 3, DLP™ projection system
Pixels	49,152,000 (12,288,000 × 4) pixels when Quad Pixel Drive set to ON, 4,096,000 (2560 × 1600) × 3, total of 12,288,000 pixels when Quad Pixel Drive set to OFF
Refresh rate	240 Hz*1
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
Brightness	27,000 lm (Center) / 26,000 lm*2 (High Mode)*3
Center-to-corner uniformity*2	90 %
Contrast*2	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)
Resolution	4K* (5120 × 3200)
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, 720/50p, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/25sF, 1080/30p, 1080/30sF 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, 1080/25sF, 1080/30p, 1080/30sF, 2048 × 1080/24p, 2048 × 1080/24sF, [X'Y'Z' 4:4:4 12-bit] 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p, 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, 1080/25sF, 1080/30p, 1080/30sF, 2048 × 1080/24p, 2048 × 1080/24sF, [X'Y'Z' 4:4:4 12-bit] 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p, 2048 × 1080/30p, [YPbPr 4:2:2 10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/48p 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, [YPbPr 4:2:2 10-bit] 3840 × 2160/24p, 3840 × 2160/25p, 3840 × 2160/30p, 4096 × 2160/24p, 4096 × 2160/25p, 4096 × 2160/30p Quad link HD-SDI [YPbPr 4:2:2 10-bit] 3840 × 2160/24sF, 3840 × 2160/24p, 3840 × 2160/25sF, 3840 × 2160/25p, 3840 × 2160/30sF, 3840 × 2160/30p, 4096 × 2160/24p, 4096 × 2160/25p, 4096 × 2160/30p Quad link 3G-SDI SMPTE ST 425 compliant, [YPbPr 4:2:2 10-bit] 3840 × 2160/60p, 3840 × 2160/50p, 4096 × 2160/60p, 4096 × 2160/50p, [YPbPr 4:2:2 10-bit] 3840 × 2160/24p, 3840 × 2160/24sF, 3840 × 2160/25p, 3840 × 2160/25sF, 3840 × 2160/30p, 3840 × 2160/30sF, 3840 × 2160/30p, 4096 × 2160/24p, 4096 × 2160/25p, 4096 × 2160/30p SDI 1/SDI 2 simultaneous input (x 2 speed)*4 1080/60p, 1080/50p (1st frame: SDI 1, 2nd frame: SDI 2), WXGA (1366 × 768), SXGA+ (1400 × 1050), WUXGA (1920 × 1200), 1920 × 1080 SDI 1/SDI 2/SDI 3/SDI 4 simultaneous input (x 4 speed)*4 1080/60p, 1080/50p (1st frame: SDI 1, 2nd frame: SDI 2, 3rd frame: SDI 3, 4th frame: SDI 4) DIGITAL LINK Video signal resolution: 480i*5/576i*5–4096 × 2160, still image signal resolution: 640 × 400–2560 × 1600 (non-interlace), dot clock: 25 MHz–297 MHz
Optical axis shift*6	Vertical (from center of screen) ±59 % (±56 % with ET-D75LE6, +69 % – +84 % with ET-D75LE95) (powered) Horizontal (from center of screen) ±29 % (±19 % with ET-D75LE6, ±21 % with ET-D75LE95) (powered)
Keystone correction range	Vertical: ±40 ° (±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6, +5 ° with ET-D75LE95), Horizontal: ±15 ° (0 ° with ET-D75LE90)
Keystone correction range with optional Upgrade Kit ET-UK20	Vertical: ±45 ° (±40 ° with ET-D75LE10/20, ±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D75LE50/6/10, 0 ° with ET-D75LE90), Up to a total of ±30 ° 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) SDI 3 IN BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-C), Dual-link 3G-SDI (Link 3) SDI 4 IN BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-D), Dual-link 3G-SDI (Link 4) SYNC 1 IN/OUT BNC × 1: 3D timing signal SYNC 2 OUT BNC × 1: 3D timing signal 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 M3 × 1 for wired remote control, link control REMOTE 1 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, PjLink™ (class 1), Deep Color, HDCP DC OUT USB Type A × 2 (for power supply DC 5V max. 900 mA)
Cabinet materials	Metal (Partly Plastic Mold)
Dimensions (W × H × D)	706 × 420 × 1,290 mm (27 25/32" × 16 17/32" × 50 25/32") (with protrusion parts)
Weight*7	Approx. 85 kg (187 lbs.)
Operation noise*2	TBD
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 (ET-UK20 Upgrade Kit)

*1 Refresh-rate varies depending on vertical scanning frequency. *2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *3 Operation in High Mode may reduce maintenance timing in comparison to use in Normal Mode. *4 Geometric Adjustment and Upgrade Kit functions are not supported with simultaneous video signal input. *5 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal). *6 Optical axis shift is not supported on the ET-D75LE50. *7 Average value. May differ depending on the actual unit. *8 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
- **Interface Board for DVI Input (Input x 2)**
ET-MDNDV10
- **Interface Board for 3G-SDI Input (Input x 4)**
TY-TBN03G
- **Smoke Cut Filter**
ET-SFR330
- **Early Warning Software**
ET-SWA100 Series
- **Zoom Lens**
ET-D75LE6 / ET-D75LE10
ET-D75LE20 / ET-D75LE30
ET-D75LE40 / ET-D75LE8
- **Interface Board for HDMI Input (Input x 2)**
ET-MDNHM10
- **Replacement Filter Unit**
ET-EMF330
- **Geometry Manager Pro Software Upgrade Kit**
ET-UK20 Series
- **DIGITAL LINK Switcher**
ET-YFB200G
- **Digital Interface Box**
ET-YFB100G

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