

## Ultra-Bright 4K<sup>+</sup> SOLID SHINE Laser Projector Delivers Flagship Image Quality for Rental and Staging



| PT-RQ32K   |                                 |
|------------|---------------------------------|
| Resolution | 4K <sup>+</sup>                 |
| 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\*<sup>1</sup> 3-Chip DLP™ SOLID SHINE Laser Projection
- Quad Pixel Drive Technology Creates Breathtakingly Detailed 4K<sup>+</sup> 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<sup>+</sup> Images
- Dynamic Contrast Function for High 20,000:1\*<sup>2</sup> 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)\*<sup>3</sup>
- 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<br>1.78–15.24 m (70–600 in) with the ET-D75LE8, 16:10 aspect ratio<br>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  | SMPTTE ST 259 compliant, [YCbCr 4:2:2 10-bit] 480i, 576i   |
|   | HD-SDI  | SMPTTE ST 292 compliant, [YCbPr 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  | SMPTTE 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  | SMPTTE 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, [YCbPr 4:2:2 10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/48p           |
|   | Dual-link 3G-SDI  | SMPTTE ST 425 compliant, [YCbPr 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, [YCbPr 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  | [YCbPr 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  | SMPTTE ST 425 compliant, [YCbPr 4:2:2 10-bit] 3840 × 2160/60p, 3840 × 2160/50p, 4096 × 2160/60p, 4096 × 2160/50p, [YCbPr 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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