Explore New Possibilities with the World’s
Smallest and Lightest 20,000-lumen-class 4K+ Projector*1

Innovating Class-beating Picture Quality in Permanent or Staging Installations

- Harnesses 3-Chip DLP™ imaging system with Panasonic SOLID SHINE Laser technology for bright and film-like picture reproduction
- Quad Pixel Drive produces supremely detailed 4K+ images
- Real Motion Processor 240 Hz frame interpolation achieves fluid reproduction of fast-paced action sequences
- Features 4K BT.2020 color-space emulation and supports HDR standard for accurate handling of next-generation video formats
- New noise-reduction function preserves sharpness in bright areas of the image while significantly reducing noise in dark areas, also effectively enhancing reproduction quality of HDR video
- Detail Clarity Processor 5* technology with 4K optimization to enhance detail expression with all video sources

Over-Engineered for Consistently Bright, Dependable, and Efficient Projection

- High 21,000 lm (Center)*1 brightness in a compact, lightweight, and easy-to-handle body
- Minimal maintenance required for continuous 24/7 projection applications
- Dust-resistant design features hermetically shielded optical unit and efficient heat-pipe-based cooling system delivering 20,000 hours** of maintenance-free operation
- Digital laser-light-source modulation achieves high 20,000:1 dynamic contrast

Projector Management and Control Flexibility

- Two slots for optional SLOT NX terminal boards suiting various applications
- Supports 12G-SDI interface board enabling 4K video signal and control command transmission through a single coaxial cable [Note: Optional ET-MDN12G10 Interface Board required for 12G-SDI input]

- Shares optional lenses with Panasonic 3-Chip DLP™ projector family including ultra-short-throw and fisheye lenses
- Compact body and free 360-degree installation (vertical and horizontal)
- 4K DIGITAL LINK supports transmission of uncompressed 4K video signals and control commands through a single LAN cable
- Multi-Screen Support System blends and calibrates multiple screens
- Multi-Unit Brightness and Color Control
- Free Geometry Manager Pro software with optional Upgrade Kit (ET-UK20)
- Supports Auto Screen Adjustment Upgrade Kit (ET-CUK10/ET-CUK10P)

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** As of August, 2018. Among 20,000-lumen-class projectors with 4K resolution or higher.
* Measurement, measuring conditions, and method of evaluation all comply with ISO/DIS 11117:2012 international standards. Value is average of all products when shipped.
* Resolution 5120 x 3200 pixels (QUAD PIXEL DRIVE: ON)
### Specifications

**Model**
PT-RQ22K

**Projector type**
3-Chip DLP® projector

**DLP® chip**
Panel size: 22.9 mm (0.91") diagonal (16:18 aspect ratio)

**Display method**
DLP® chip x 3

**Refresh rate**
240 Hz

**Light source**
Lasar Diode

**Light output**
20,000 lm / 21,000 lm (Center)**

**Time until light output decreases to 50%**
20,000 hours (NORMAL) / 24,000 hours (ECO)

**Resolution**
4K (10,240 x 2,048 pixels) (Center)

**Contrast**
25,000:1 (Full On/Full Off, Dynamic Contrast Mode) 3

**Screen size (Diagonal)**
1.70–15.24 m (70–600 in) with the ET-D75LE9 / ET-D3LEW9, 16:18 aspect ratio
3.05–15.24 m (12–600 in) with the ET-D75LE9 / ET-D3LEW9, 16:18 aspect ratio

**Center-to-center aspect ratio**
90 %

**Color**
RGB

**Lens**

- **Lens type**: Optional (no lens included with this model)
- **Lens shift**: Vertical (from center of screen) ±30 % / ±45 % with ET-D75LE9 / ET-D3LEW9, ±19 % with ET-D3LE9 (powered)
- **Horizontal (from center of screen)**: ±29 % / ±19 % with ET-D75LE9 / ET-D3LEW9, ±21 % with ET-D3LE9 (powered)

**Keystone correction range**
Vertical: ±65° (±15° with ET-D75LE9 / ET-D3LEW9, ±28° with ET-D75LE6 / ET-D3LEW6, ±5° with ET-D75LE9)

**Keystone correction with optional ET-UK20 Upgrade Kit**
Vertical: ±45° (±10° with ET-D75LE7 / ET-D3LEW7, ±22° with ET-D75LE8 / ET-D3LEW8, ±8° with ET-D75LE9)

**Power supply**
AC 200 V–240 V, 50/60 Hz

**Power consumption**
1,100 W (3.3 kW with Standby Mode set to ECO); *4 W with Standby Mode set to NORMAL

**Dimensions (W x H x D)**
598 mm x 270 mm* 8 x 725 mm (23 17/32˝ x 10 5/8˝ x 28 17/32˝) (not including protruding parts)

**Weight**
54.0 kg (119 lbs)

**Operating environment**
Operating temperature: 8–45 °C [46–113 °F]; 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, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™

### Optional Accessories

- **Fish eye Lens**
  ET-0D3LE70*
  * This lens is equipped with Auto Lens Identification Function

- **Fixed-Focus Lens**
  ET-D3LE90** / ET-D75LE90**
  * This lens is equipped with Auto Lens Identification Function

- **Zoom Lens**
  ET-D3LE90** / ET-D3LE90** / ET-D75LE90** / ET-D75LE90**
  * This lens is equipped with Auto Lens Identification Function and Stepping Motor.

- **Stepping Motor Kit**
  ET-D75MS50
  Note: Calibration is required each time the lens is moved.

- **Ceiling Mount Bracket for High Ceilings**
  ET-PKG200H

- **Ceiling Mount Bracket for Low Ceilings**
  ET-PKG200S

- **Projector Mount Bracket**
  ET-PK506B
  Note: Use the ET-PX506 Ceiling Mount Bracket (for high ceiling) and ET-PX506S Ceiling Mount Bracket (for low ceiling) in combination with ET-PK506 Projector Mount Bracket.

- **Frame**
  ET-PK501S
  Note: This frame cannot be used when the separately sold PT-VX450 Full Fixed Focus Lens is attached to the projector. Please contact your sales representative for information on part number orientation.

- **Interface Board for 120–SIDI Input**
  (Input 2 / Output 2)

- **Interface Board for HDMI (HDCP 2.2) Input**
  (Input 2)

- **Interface Board for 3G-SIDI Input**
  (Input 2 / Output 2)

- **Geometry Manager Pro Software Upgrade Kit**

- **Auto Screen Adjustment Upgrade Kit**
  ET-CUK10 / ET-CUK10P

- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.

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All information included here is valid as of August 2018.