



**Stunning image quality in a compact body designed for large venues. Laser light source, 3-chip DLP, 27000 centre lumens, 4K+, maintenance-free projector.**

## PT-RQ32K

30 000 lumens-class 4K+ Solid Shine Laser Projector  
Stunning image quality in a compact body designed for large venues  
Exchangeable lens, 24/7 Operation, Geometric Adjustment, 360° flexible installation.

### Key Features

Laser 3-chip DLP, 27000 lumens (centre), 4K+

Lamp-free laser projection with dust resistant liquid cooling system for 20000 hours maintenance free operation

5K pixel performance with a quad pixel drive system on a WQXGA chipset

240Hz high frame rate for superb and sharp motion pictures

20,000:1 contrast ratio





## PT-RQ32K

<https://eu.connect.panasonic.com/en/products/projectors/pt-rq32k>

<b>Brightness</b>	27000 lumens (centre)
<b>Technology</b>	3-chip DLP Laser
<b>Resolution</b>	5120 x3200 pixels when Quad Pixel Drive set to ON
<b>Brightness*4</b>	Varies depending on operation mode setting. 26,000 lm*2*4/27,000 lm*3*4 (Center) (HIGH) 21,600 lm*2*4/22,500 lm*3*4 (Center) (NORMAL) 12,000 lm at constant luminance (LONG LIFE 1) 10,000 lm at constant luminance (LONG LIFE 2) 8,000 lm at constant luminance (LONG LIFE 3)
<b>Light Source</b>	Laser Diode Laser class 1
<b>DLP™ Chip   Panel Size</b>	22.9mm (0.9 inches) diagonal (16:10 aspect ratio)
<b>DLP™ Chip   Display Method</b>	DLP™ chip x 3 (R, G, B), DLP™ projection system
<b>DLP™ Chip   Pixels</b>	4,096,000 (2560 x1600) x3, total of 12,288,000 pixels
<b>Contrast*2</b>	20,000:1 (full on/full off, in Dynamic Contrast 3 mode)
<b>Illumination Life of Set</b>	Varies depending on operation mode setting. Luminance life for set: 18,000 hours at half luminance (HIGH) 8,000 hours at 70% luminance 20,000 hours at half luminance (NORMAL) 43,800 hours at constant luminance (LONG LIFE 1) 61,320 hours at constant luminance (LONG LIFE 2) 87,600 hours at constant luminance (LONG LIFE 3) * IEC62087: 2008 Broadcast contents, Dynamic contrast [3]
<b>Power Supply</b>	100 V - 120 V / 200 V - 240 V - (100 V - 120 V / 200 V - 240 V alternating current), 50 Hz/60 Hz (PT-RQ32K) 200 V - 240 V - (200 V - 240 V alternating current)
<b>Power Consumption</b>	50 Hz/60 Hz (PT-RQ32KD) 2,950 W (12 A/16 A) (PT-RQ32K) 2,950 W (16.1 A) (PT-RQ32KD) Average power consumption Varies depending on operation mode setting.) HIGH: 2,400W NORMAL: 2,000W LONG LIFE 1: 1,190-1,780W LONG LIFE 2: 1,060-1,700W LONG LIFE 3: 926-1,580W *Operating Temperature: 25, Altitude: 700m (2,297ft), IEC627087: 2008 Broadcast contents, Picture mode: Standard, Dynamic contrast [2] 0.3 W with STANDBY MODE set to ECO*1 4 W with STANDBY MODE set to NORMAL
<b>BTU Value</b>	Max 10,079 BTU
<b>Lens</b>	Optional powered zoom/focus lenses.
<b>Center-to-Corner Uniformity*2</b>	90%
<b>Filter Life</b>	Varies depending on operation mode setting and environment.
<b>Filter Life   Normal Filter</b>	4,000 hours (NORMAL)/2,000 hours (HIGH)/ 20,000 hours (LONG LIFE 1/2/3)
<b>Filter Life   Long Life Filter Unit</b>	20,000 hours (NORMAL)/4,000 hours (HIGH)/ 40,000 hours (LONG LIFE 1/2/3)
<b>Screen Size</b>	1.78-25.4 m (70-1,000 inches) (16:10 aspect ratio) 1.78-15.24 m (70-600 inches) with the ET-D75LE8 (16:10 aspect ratio) 3.05-15.24 m (120 - 600 inches) with the ET-D75LE95 (16:10 aspect ratio)
<b>Compatible Signal   SDI Signal Input</b>	SD-SDI signal HD-SDI signal 3G-SDI signal
<b>Compatible Signal   DIGITAL LINK Signal Input</b>	• Moving image signal resolution: 480/60i*5, 576/50i*5 to 4096 x 2160 Still image signal resolution: 640 x 400 to 3840 x 2400 (non-interlace) • Dot clock frequency: 25 MHz to 297 MHz

<b>Compatible Signal   HDMI Signal Input</b>	This is supported when the optional Interface Board for HDMI 2 input (Model No.: ET-MDNHM10) is installed in the slot.  <ul style="list-style-type: none"> <li>Moving image signal resolution: 480/60i*5, 576/50i*5 to 4096 x 2160</li> </ul> Still image signal resolution: 640 x 400 to 3840 x 2400 (non-interlace)  <ul style="list-style-type: none"> <li>Dot clock frequency: 25 MHz to 594 MHz</li> </ul>
<b>Compatible Signal   DVI-D Signal Input</b>	This is supported when the optional Interface Board for DVI-D 2 input (Model No.: ET-MDNDV10) is installed in the slot.  <ul style="list-style-type: none"> <li>Moving image signal resolution: 480/60i*5, 576/50i*5 to 2048 x 1080</li> </ul> Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace)  <ul style="list-style-type: none"> <li>Dot clock frequency: 25 MHz to 162 MHz</li> </ul>
<b>Optical Axis Shift   Vertical</b>	±59% (±56% with the ET-D75LE6), (+69-84% with the ET-D75LE95), from center of screen, powered
<b>Optical Axis Shift   Horizontal</b>	±29% (±19% with the ET-D75LE6), (±21% with the ET-D75LE95), from center of screen, powered
<b>Installation</b>	NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50. Ceiling/floor, front /rear, free 360-degree installation
<b>Terminals   SDI In 1</b>	BNC x 1  SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-A) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 1) signal SMPTE ST 425 compliant Quad-link HD-SDI (Link 1) signal Quad-link 3G-SDI (Link 1) signal SMPTE ST 425 compliant
<b>Terminals   SDI In 2</b>	BNC x 1  SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-B) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 2) signal SMPTE ST 425 compliant Quad-link HD-SDI (Link 2) signal Quad-link 3G-SDI (Link 2) signal SMPTE ST 425 compliant
<b>Terminals   SDI In 3</b>	BNC x 1  SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-A) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 1) signal SMPTE ST 425 compliant Quad-link HD-SDI (Link 3) signal Quad-link 3G-SDI (Link 3) signal SMPTE ST 425 compliant
<b>Terminals   SDI In 4</b>	BNC x 1  SD-SDI signal SMPTE ST 259 compliant HD-SDI signal SMPTE ST 292 compliant 3G-SDI signal SMPTE ST 424 compliant Dual link HD-SDI (LINK-B) signal SMPTE ST 372 compliant Dual link 3G-SDI (Link 2) signal SMPTE ST 425 compliant Quad-link HD-SDI (Link 4) signal Quad-link 3G-SDI (Link 4) signal SMPTE ST 425 compliant
<b>Terminals   DIGITAL LINK/LAN</b>	RJ-45 x 1 (for network, DIGITAL LINK connection, 100Base-TX, compatible with Art-Net, PJLink? (class 1), Deep Color, HDCP)
<b>Terminals   Multi Projector Sync In</b>	BNC x 1, IN : TTL Hi-z
<b>Terminals   Multi Projector Sync Out</b>	BNC x 1, TTL max10mA
<b>Terminals   Serial In</b>	D-sub 9 pin x 1 for external control (RS-232C compliant)
<b>Terminals   Serial Out</b>	D-sub 9 pin x 1 for link control (RS-232C compliant)
<b>Terminals   Remoter 1 In</b>	M3 stereo mini jack x 1 for wired remote control
<b>Terminals   Remoter 1 Out</b>	M3 stereo mini jack x 1 for link control
<b>Terminals   Remoter 2 In</b>	D-sub 9 pin x 1 for external control (parallel)
<b>Terminals   DC Out 5V</b>	USB connector (type A) x 2 for power supply only (DC 5V, Max.900mA)
<b>Terminals   Expansion Slot</b>	x 2 (SLOT 1, SLOT 2), SLOT NX(Compatible with Optional Board)
<b>Power Cord Length</b>	3.0 m (9 ft 10 in) ft
<b>Cabinet Materials</b>	Processed metal parts, Molded plastic
<b>Dimensions (W x H x D)</b>	700 x 418*6x1,250 mm  (27-9/16 x 16-15/32 x 49-7/32 inches)(with protrusion parts)  700 x 373*7x1,070 mm  (27-9/16 x 14-11/16 x 42-1/8 inches)(without protrusion parts)
<b>Weight*8</b>	83 kg (183 lbs)
<b>Operation Noise*2</b>	49 dB

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**Operating Temperature**

Varies depending on operation mode setting.

**HIGH/NORMAL**

The operating temperature range is 0°C to 45°C (32 °F to 113 °F).

(Less than 1,400m (4,593 ft) above sea level)

The operating temperature range is 0°C to 40°C (32 °F to 104 °F).

(Less than 1,400m (4,593 ft) to 4,200m (13,780 ft) above sea level)

• If using at ambient operating temperatures of 35 °C (95 °F) or higher and at less than 2,700m (8,858 ft) above sea level, or at ambient operating temperatures of 25 °C (77 °F) or higher and between 2,700m (8,858 ft) and 4,200m (13,780 ft) above sea level, the brightness of the light source may drop in order to protect the projector.

**LONG LIFE 1/2/3**

The operating temperature range is 0°C to 40°C (32 °F to 104 °F).

(Less than 2,700m (8,858 ft) above sea level)

• If using at ambient operating temperatures of 35 °C (95 °F) or higher, the brightness of the light source may drop in order to protect the projector.

When using a smoke cut lter (regardless of operating mode)

0 °C to 40 °C (32 °F to 104 °F) Less than 1,400 m (4,953 ft) above sea level

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**Operating Humidity**

10%-80% (no condensation)

**Note**

\*1 When the standby mode is set to eco, network functions such as power on over the LAN network will not operate, and the serial output terminal cannot be used. Also, only certain commands can be received for external control using the serial terminal.

\*2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

\*3 The value of the light output at the center region of the projected image is extracted based on the light output measurement method defined by the ISO/IEC 21118:2012 international standards.

\*4 In AC200V, When using a projection lens other than ET-D75LE95.

\*5 Pixel-Repitition signal(dot clock frequency 27.0MHz) only

\*6 With legs at shortest position.

\*7 Without legs.

\*8 Average value. May differ depending on the actual unit.