



**World's most compact 50,000 lumen Laser Projector  
with Native 4K Resolution**

## PT-RQ50K

The PT-RQ50K is an all-in-one projector built to create breath-taking experiences with ease and reassurance. It combines Panasonic's finest image quality and long-proven reliability.

### Key Features

Laser 3-chip DLP, 50,000 lumens, Native 4K

Lamp-free laser projection with hermetically sealed optics and filter-less design, for 20,000 hours maintenance free operation

Compact body allows for simplified transport, install and adjustment

Dualised design provides the ultimate in backup and reliability

20,000:1 contrast ratio...





## PT-RQ50K

<https://ap.connect.panasonic.com/p/en/products/projectors/pt-rq50k>

<b>Projector type</b>	3-Chip DLP™ projector
<b>Display method</b>	DLP™ chip x 3, DLP™ projection system
<b>Display Device -&gt; Panel size</b>	35.1 mm (1.38 in) diagonal (17:9 aspect ratio)
<b>Display Device -&gt; Number of pixels</b>	8,847,360 (4096 x 2160 pixels) x 3
<b>Light source</b>	Laser diodes (Blue LD, Red LD)
<b>Light output *1 *2</b>	50,000 lm
<b>Light output (ANSI) *3</b>	50,000 lm
<b>Light output (Center) *4</b>	51,000 lm (Center)
<b>Time until light output declines to 50 % -&gt; NORMAL *5</b>	20,000 hours [NORMAL]
<b>Time until light output declines to 50 % -&gt; ECO *5</b>	24,000 hours [ECO]
<b>Resolution</b>	Native 4K (4096 x 2160 pixels)
<b>Contrast Ratio (typ.) *2</b>	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)
<b>Screen size (diagonal)</b>	2.54–38.1 m (100–1,500 in) with new optional lens for PT-RQ50K, 17:9 aspect ratio
<b>Center-to-corner zone ratio *2</b>	90%
<b>Lens</b>	New optional lenses for PT-RQ50K (no lens included with this model)
<b>Lens shift -&gt; Vertical(from center of screen)</b>	±45 % (±25 % with ET-D3QT600, ±30 % with ET-D3QT700/ET-D3QT800, ±40 % with ET-D3QW300) (powered)
<b>Lens shift -&gt; Horizontal(from center of screen)</b>	±16 % (±8 % with ET-D3QT600, ±10 % with ET-D3QT700/ET-D3QT800, ±14 % with ET-D3QW300) (powered)
<b>Keystone correction range</b>	Vertical: ±40 ° (±28 ° with ET-D3QW300), Horizontal: ±40 ° (±15 ° with ET-D3QW300)
<b>Installation</b>	Horizontal/vertical, free 360-degree installation
<b>Terminals -&gt; MULTI PROJECTOR SYNC IN</b>	BNC x 1
<b>Terminals -&gt; MULTI PROJECTOR SYNC OUT</b>	BNC x 1
<b>Terminals -&gt; SERIAL IN</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
<b>Terminals -&gt; SERIAL OUT</b>	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
<b>Terminals -&gt; REMOTE 1 IN</b>	M3 stereo mini-jack x 1 for wired remote control
<b>Terminals -&gt; REMOTE 1 OUT</b>	M3 stereo mini-jack x 1 for link control
<b>Terminals -&gt; REMOTE 2 IN</b>	D-sub 9-pin (female) x 1 for external control (parallel)
<b>Terminals -&gt; DIGITAL LINK IN / LAN</b>	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible
<b>Terminals -&gt; LAN</b>	RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
<b>Terminals -&gt; DC OUT</b>	USB Connector (Type A) x 2 for power supply only (DC 5 V, total of 2 A)
<b>Terminals -&gt; USB TYPE A</b>	USB connector (Type A) x 1 for optional Wireless Module (AJ-WM50 Series) / USB Memory Stick
<b>Terminals -&gt; SLOT</b>	SLOT1 : Interface Board for 12G-SDI (ET-MDN12G10) supplied SLOT2 : Optional interface boards, SLOT NX compatible
<b>Power supply</b>	AC 200–240 V, 50/60 Hz; AC 100–120 V, 50/60 Hz
<b>Maximum power consumption</b>	4,100 W (AC 100–120 V: 1,100 W)
<b>On-mode power consumption(Operating mode) -&gt; Normal</b>	3,970 W
<b>On-mode power consumption(Operating mode) -&gt; Eco</b>	3,110 W
<b>Standby power consumption -&gt; Normal</b>	6 W
<b>Cabinet materials</b>	Fabricated metal and molded plastic
<b>Filter</b>	No
<b>Operation noise -&gt; Normal *2</b>	52 dB [NORMAL]
<b>Dimensions (W x H x D)</b>	720 x 445 x 1,070 mm (28 11/32" x 17 17/32" x 42 1/8") (excluding handle, adjuster feet, and other protruding parts)
<b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b>	720 mm (28 11/32")
<b>Dimensions -&gt; Height (not including protruding parts)</b>	445 mm (17 17/32")
<b>Dimensions -&gt; Depth (not including protruding parts)</b>	1,070 mm (42 1/8")
<b>Weight *6</b>	Approx. 126 kg (278 lbs) (without lens)
<b>Operating environment -&gt; Operating temperature *7 *8 *9</b>	0–45 °C (32–113 °F)
<b>Operating Environment -&gt; Operating humidity (No condensation)</b>	10–80 % (no condensation)

<b>Applicable software</b>	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™
<b>Body Colour</b>	Black
<b>Gross Dimensions (W x H x D in mm)</b>	1021 x 1499 x 731 mm
<b>Gross Weight (Kg)</b>	RQ50KU/RQ50KUY/RQ50KX: 155.3 kg (342.4 lbs) RQ50KEJ/RQ50KE: 155.2 kg (342.1 lbs)
<b>NFC</b>	<a href="https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional</a>
<b>EAN</b>	RQ50KEJ: 5025232911301 RQ50KE: 8887549774911
<b>Footnote Description</b>	<ol style="list-style-type: none"> <li>1. When [OPERATING MODE] is set to [NORMAL].</li> <li>2. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped.</li> <li>3. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped.</li> <li>4. Average light-output value of all shipped products measured at the center of the screen.</li> <li>5. Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [3], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m<sup>3</sup> of particulate matter. Estimated time until light output declines to 50 % varies depending on environment.</li> <li>6. Average value. May differ depending on the actual unit.</li> <li>7. The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft).</li> <li>8. When optional AJ-WM50 wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F).</li> <li>9. When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector.</li> </ol>