



**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/vn/en/products/projectors/pt-rq50k>

<b>Projector type</b>	3-Chip DLP™ projector
<b>DLP™ Chip   Panel Size</b>	35.1 mm (1.38 in) diagonal (17:9 aspect ratio)
<b>DLP™ Chip   Display Method</b>	DLP™ chip x 3, DLP™ projection system
<b>DLP™ chip   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</b>	50,000 lm*1 / 51,000 lm (Center)*2
<b>Time until light output declines to 50 %*3</b>	20,000 hours (NORMAL)
<b>Resolution</b>	Native 4K (4096 x 2160 pixels)
<b>Contrast Ratio*1</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*1</b>	90 %
<b>Lens</b>	New optional lenses for PT-RQ50K (no lens included with this model)
<b>Lens shift   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   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   Multi Projector Sync In</b>	BNC x 1
<b>Terminals   Multi Projector Sync Out</b>	BNC x 1
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
<b>Terminals   Serial Out</b>	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
<b>Terminals   REMOTE 1 IN</b>	M3 stereo mini-jack x 1 for wired remote control
<b>Terminals   REMOTE 1 OUT</b>	M3 stereo mini-jack x 1 for link control
<b>Terminals   Remote 2 In</b>	D-sub 9-pin (female) x 1 for external control (parallel)
<b>Terminals   DIGITAL LINK</b>	RJ-45 x 1 for network and DIGITAL LINK connections (HDBase™ compliant), PLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible
<b>Terminals   LAN</b>	RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
<b>Terminals   DC Out</b>	USB connector (Type A) x 2 for power supply only (DC 5 V, total of 2 A)
<b>Terminals   USB</b>	USB connector (Type A) x 1 for optional Wireless Module (AJ-WM50 Series) / USB Memory Stick
<b>Terminals   Expansion Slot 1</b>	Interface Board for 12G-SDI (ET-MDN12G10) supplied
<b>Terminals   Expansion Slot 2</b>	Optional interface boards, SLOT NX compatible
<b>Power Supply</b>	AC 200–240 V, 50/60 Hz; AC 100–120 V, 50/60 Hz (Brightness restricted to one fifth with voltage of 100–120 V)
<b>Power Consumption</b>	4,100 W (AC 100–120 V: 1,100 W, Standby Mode: 6 W)
<b>Cabinet Materials</b>	Metal (Partly Plastic Mold)
<b>Operation noise*1</b>	52 dB
<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>Weight*4</b>	Approx. 126 kg (278 lbs) (without lens)
<b>Operating Environment</b>	Operating temperature: 0–45 °C (32–113 °F)*5 *6 *7, operating humidity: 10–80 % (no condensation)
<b>Applicable Software</b>	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™

**Note** \*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. \*2 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. \*3 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/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. \*4 Average value. May differ depending on the actual unit. \*5 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). \*6 When optional AJ-WM50 wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). \*7 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.