



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

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| Projector type | 3-Chip DLP™ projector |
| DLP™ Chip Panel Size | 35.1 mm (1.38 in) diagonal (17:9 aspect ratio) |
| DLP™ Chip Display Method | DLP™ chip x 3, DLP™ projection system |
| DLP™ chip Number of Pixels | 8,847,360 (4096 x 2160) pixels x 3 |
| Light Source | Laser diodes (Blue LD, Red LD) |
| Light output | 50,000 lm*1 / 51,000 lm (Center)*2 |
| Time until light output declines to 50 %*3 | 20,000 hours (NORMAL) |
| Resolution | Native 4K (4096 x 2160 pixels) |
| Contrast Ratio*1 | 20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3) |
| Screen size [diagonal] | 2.54–38.1 m (100–1,500 in) with new optional lens for PT-RQ50K, 17:9 aspect ratio |
| Center-to-corner zone ratio*1 | 90 % |
| Lens | New optional lenses for PT-RQ50K (no lens included with this model) |
| Lens shift Vertical (from center of screen) | ±45 % (±25 % with ET-D3QT600, ±30 % with ET-D3QT700/ET-D3QT800, ±40 % with ET-D3QW300) (powered) |
| Lens shift Horizontal (from center of screen) | ±16 % (±8 % with ET-D3QT600, ±10 % with ET-D3QT700/ET-D3QT800, ±14 % with ET-D3QW300) (powered) |
| Keystone Correction Range | Vertical: ±40° (±28° with ET-D3QW300), Horizontal: ±40° (±15° with ET-D3QW300) |
| Installation | Horizontal/vertical, free 360-degree installation |
| Terminals Multi Projector Sync In | BNC x 1 |
| Terminals Multi Projector Sync Out | BNC x 1 |
| Terminals Serial In | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| Terminals Serial Out | D-sub 9-pin (male) x 1 for link control (RS-232C compliant) |
| Terminals REMOTE 1 IN | M3 stereo mini-jack x 1 for wired remote control |
| Terminals REMOTE 1 OUT | M3 stereo mini-jack x 1 for link control |
| Terminals Remote 2 In | D-sub 9-pin (female) x 1 for external control (parallel) |
| Terminals DIGITAL LINK | 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 |
| Terminals LAN | RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible |
| Terminals DC Out | USB connector (Type A) x 2 for power supply only (DC 5 V, total of 2 A) |
| Terminals USB | USB connector (Type A) x 1 for optional Wireless Module (AJ-WM50 Series) / USB Memory Stick |
| Terminals Expansion Slot 1 | Interface Board for 12G-SDI (ET-MDN12G10) supplied |
| Terminals Expansion Slot 2 | Optional interface boards, SLOT NX compatible |
| Power Supply | 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) |
| Power Consumption | 4,100 W (AC 100–120 V: 1,100 W, Standby Mode: 6 W) |
| Cabinet Materials | Metal (Partly Plastic Mold) |
| Operation noise*1 | 52 dB |
| Dimensions (W x H x D) | 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) |
| Weight*4 | Approx. 126 kg (278 lbs) (without lens) |
| Operating Environment | Operating temperature: 0–45 °C (32–113 °F)*5 *6 *7, operating humidity: 10–80 % (no condensation) |
| Applicable Software | 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. |
| Others | - |
| Technology | 3-Chip DLP™ 50,000 |

