Panasonic CONNECT



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

# PT-RQ50K

3-Chip DLPTM laser projector with 50,000 lumens brightness and native 4K (4096 × 2160) resolution. Features a multi-laser light engine with a dedicated red laser to deliver an expanded color gamut and high color accuracy. Supports interchangeable lenses (lens not included). Operating noise is approximately 52 dB. Equipped with Intel® SDM / SLOT NX, NFC, and compatible with the Smart Projector Control app. Designed as a compact all-in-one body with an advanced cooling system despite its

**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...

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# PT-RQ50K

https://ap.connect.panasonic.com/sg/en/products/projectors-and-displays/pt-rq50k

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|---|---|
| **Projector type** | 3-Chip DLP™ projector |
| **Display method** | DLP™ chip x 3, DLP™ projection system |
| **Display Device -> Panel size** | 35.1 mm (1.38 in) diagonal (17:9 aspect ratio) |
| **Display Device -> Number of pixels** | 8,847,360 (4096 x 2160 pixels) x 3 |
| **Light source** | Laser diodes (Blue LD, Red LD) |
| **Light output** *1 *2 | 50,000 lm |
| **Light output (ANSI)** *3 | 50,000 lm |
| **Light output (Center)** +4 | 51,000 lm (Center) |
| **Time until light output declines to 50 % -> NORMAL** *5 | 20,000 hours [NORMAL] |
| **Time until light output declines to 50 % -> ECO** *5 | 24,000 hours [ECO] |
| **Resolution** | Native 4K (4096 x 2160 pixels) |
| **Contrast Ratio (typ.)** *2 | 20,000:1 (Full On/Full Off, Dynamic Contrast [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** *2 | 90% |
| **Lens** | Optional (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 IN / LAN** | RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PJLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible |
| **Terminals -> LAN** | RJ-45 x 1 for network connection, PJLink™ (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 TYPE A** | USB Connector Type A x 1 for optional AJ-WM50 Series Wireless Module/USB memory |
| **Terminals -> SLOT** | SLOT1 : Interface Board for 12G-SDI (ET-MDN12G10) supplied<br>SLOT2 : Optional interface boards, SLOT NX compatible |
| **Power supply** | AC 200–240 V, 50/60 Hz; AC 100–120 V, 50/60 Hz |
| **Maximum power consumption** | 4,100 W (AC 100–120 V: 1,100 W) |
| **On-mode power consumption(Operating mode) -> Normal** | 3,970 W [NORMAL] |
| **On-mode power consumption(Operating mode) -> Eco** | 3,110 W [ECO] |
| **Standby power consumption -> Normal** | 6 W [NORMAL] |
| **Cabinet materials** | Fabricated metal and molded plastic |
| **Filter** | No |
| **Operation noise -> Normal** *2 | 52 dB [NORMAL] |
| **Dimensions (W x H x D)** | Approx. 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** *6 | Approx. 126 kg (278 lbs) (without lens) |
| **Operating environment -> Operating temperature** *7 *8 *9 | 0–45 °C (32–113 °F) |
| **Operating Environment -> Operating humidity (No condensation)** | 10–80 %  ( no condensation) |
| **Applicable software** | Logo Transfer Software, Multi Monitoring & Control Software, Visual Software Suite,Geometry Manager Pro, Smart Projector Control for iOS/Android™ |
| **Body Colour** | Black |

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|---|---|
| **Gross Dimensions (W x H x D in mm)** | Approx. 1021 x 731 x 1499 mm |
| **Gross Weight (Kg)** | RQ50KEJ/RQ50KE: 155.2 kg (342.1 lbs) |
| **NFC** | Yes |
| **EAN** | RQ50KEJ: 5025232911301<br>RQ50KE: 8887549774911 |
| **Terminals -> SDI IN** | – |
| **Terminals -> HDMI™ IN** | – |
| **Terminals -> DVI-D IN** | – |
| **Terminals -> DisplayPort™ IN** | – |
| **Active 3D** | No |
| **SDM** | No |
| **Front URL** | https://eu.connect.panasonic.com/gb/en/projectors/pt-rq50k |
| **Footnote Description** | 1. When [OPERATING MODE] is set to [NORMAL].<br>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.<br>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.<br>4. Average light-output value of all shipped products measured at the center of the screen.<br>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/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment.<br>6. Average value. May differ depending on the actual unit.<br>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).<br>8. When optional AJ-WM50 wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F).<br>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. |