

# Panasonic



**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 ultra-high brightness. Supports 24/7 continuous operation and 360-degree installation. Approximate

### 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.pnd.panasonic.com/th/en/products/projectors/pt-rq50k>

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| <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</b>   | 50,000 lm  |
| <b>Light output (ANSI)</b>   | 50,000 lm  |
| <b>Light output (Center) *1 *2</b>   | 51,000 lm (Center)   |
| <b>Time until light output declines to 50 %</b>                            | 20,000 hours [NORMAL]  |
| <b>-&gt; NORMAL *3</b>   |  |
| <b>Time until light output declines to 50 %</b>                            | 24,000 hours [ECO]   |
| <b>-&gt; ECO *3</b>  |  |
| <b>Resolution</b>  | Native 4K (4096 x 2160 pixels)   |
| <b>Contrast Ratio (typ.) *1</b>  | 25,000:1 (Full On/Full Off, Dynamic Contrast [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>  | Optional (no lens included with this model)  |
| <b>Lens shift -&gt; Vertical (from center of screen) *4</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) *4</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 (HDBase™ compliant), PJLink™ (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, PJLink™ (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<br>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 *1</b>                                     | 52 dB [NORMAL]   |
| <b>Body Colour</b>   | Black  |
| <b>Dimensions (W x H x D)</b>  | 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)   |
| <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>Gross Dimensions (W x H x D in mm)</b>                                  | Approx. 1021 x 731 x 1499 mm   |
| <b>Weight *7</b>   | Approx. 126 kg (278 lbs) (without lens)  |
| <b>Gross Weight (Kg)</b>   | RQ50KE/RQ50KE: 155.2 kg (342.1 lbs)  |
| <b>Operating environment -&gt; Operating temperature *8 *9</b>             | 0–45 °C (32–113 °F)  |

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|---|---|
| <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>NFC</b>  | Yes   |
| <b>EAN</b>  | RQ50KEJ: 5025232911301<br>RQ50KE: 8887549774911   |
| <b>Terminals -&gt; SDI IN</b>   | —   |
| <b>Terminals -&gt; HDMI™ IN</b>   | —   |
| <b>Terminals -&gt; DVI-D IN</b>   | —   |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                  | —   |
| <b>Active 3D</b>  | No  |
| <b>SDM</b>  | No  |
| <b>Front URL</b>  | <a href="https://eu.connect.panasonic.com/gb/en/projectors/pt-rq50k">https://eu.connect.panasonic.com/gb/en/projectors/pt-rq50k</a>   |
| <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/m3 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> |