# Panasonic
## CONNECT

**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

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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 | 50,000 lm |
| Light output (ANSI) | 50,000 lm |
| Light output (Center) *1 *2 | 51,000 lm (Center) |
| Time until light output declines to 50 % -> NORMAL *3 | 20,000 hours [NORMAL] |
| Time until light output declines to 50 % -> ECO *3 | 24,000 hours [ECO] |
| Resolution | Native 4K (4096 x 2160 pixels) |
| Contrast Ratio (typ.) *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) *4 | ±45 % (±25 % with ET-D3QT600, ±30 % with ET-D3QT700/ET-D3QT800, ±40 % with ET-D3QW300) (powered) |
| Lens shift -> Horizontal(from center of screen) *4 | ±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 Wireless Module (AJ-WM50 Series) / USB Memory Stick |
| Terminals -> SLOT | SLOT1 : Interface Board for 12G-SDI (ET-MDN12G10) suppliedSLOT2 : 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 |
| On-mode power consumption(Operating mode) -> Eco | 3,110 W |
| Standby power consumption -> Normal | 6 W |
| Cabinet materials | Fabricated metal and molded plastic |
| Filter | No |
| Operation noise -> Normal *1 | 52 dB [NORMAL] |
| 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) |
| Dimensions (W x H x D) -> Width (not including protruding parts) | 720 mm (28 11/32″) |
| Dimensions -> Height (not including protruding parts) | 445 mm (17 17/32″) |
| Dimensions -> Depth (not including protruding parts) | 1,070 mm (42 1/8″) |
| Weight *7 | Approx. 126 kg (278 lbs) (without lens) |
| Operating environment -> Operating temperature *8 *9 | 0–45 ℃ (32–113 ℉) |
| Operating Environment -> Operating humidity (No condensation) | 10–80 %   ( no condensation) |

| Applicable software | Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android$^{TM}$ |
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| 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 ℃ (95 ℉), 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 ℃ (32 ℉) and 40 ℃ (104 ℉) 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 ℃ (32–104 ℉).<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 ℃ (86 ℉) 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 ℃ (77 ℉) or higher, the light output may be reduced to protect the projector. |

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| Body Colour | Black |
| Gross Dimensions (W x H x D in mm) | 1021 x 1499 x 731 mm |
| Gross Weight (Kg) | RQ50KU/RQ50KUY/RQ50KX: 155.3 kg (342.4 lbs)<br>RQ50KEJ/RQ50KE: 155.2 kg (342.1 lbs) |
| NFC | https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional |
| EAN | RQ50KEJ: 5025232911301<br>RQ50KE: 8887549774911 |