Panasonic CONNECT



## Deliver More for Less with the World’s Smallest and Lightest 16,000 lm 3-Chip DLP™ 4K Projector

# PT-RQ18K

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**Key Features**

- Compact Form-Factor Streamlines Workflow
- Create an Engaging Visual Experience
- Maintenance-free for Peace of Mind
- 3-Chip DLP™ 4K Laser Projector with Quad Pixel Drive
- 16,000 Lumen Brightness

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# PT-RQ18K

https://latam.connect.panasonic.com/pa/en/products/pt-rq18k

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|---|---|
| **Projector type** | 3-Chip DLP™projector |
| **Display method** | DLP™ chip x 3, DLP™ projection system |
| **Display Device -> Panel size** | 20.3 mm (0.8 in) diagonal (16:10 aspect ratio) |
| **Display Device -> Number of pixels** | 2,304,000 (1920 x 1200 pixels) x 3 |
| **Light source** | Laser diode |
| **Light output** *1 *2 *3 | 16,000 lm |
| **Light output (ANSI)** *4 | 16,000 lm |
| **Light output (Center)** *5 | 16,800 lm （Center） |
| **Time until light output declines to 50 % -> NORMAL** *6 | 20,000 hours [NORMAL] |
| **Time until light output declines to 50 % -> ECO** *6 | 24,000 hours [ECO] |
| **Time until light output declines to 50 % -> QUIET** *6 | 20,000 hours [QUIET] |
| **Resolution** | 4K (3840 x 2400 pixels) (Quad Pixel Drive: ON) |
| **Contrast Ratio (typ.)** *3 | 25,000:1 (Full On/Full Off, Dynamic Contrast [3]) |
| **Screen size (diagonal)** | 1.78–25.40 m (70–1000 in), 1.78–15.24 m (70–600 in) with ET-D75LE8/ ET-D3LET80, 3.05–15.24 m (120–600 in) with ET-D75LE95, 5.08–15.24 m (200–600 in) with ET-D3LEU100/D3LEW200 |
| **Center-to-corner zone ratio** *3 | 90% |
| **Lens** | Optional (no lens included with this model) |
| **Lens shift -> Vertical(from center of screen)** | ±66 % (52 % with ET-D75LE6/ET-D3LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D3LEU100, ±57 % with ET-D3LEW200) (powered) |
| **Lens shift -> Horizontal(from center of screen)** | ±24 % (18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D3LEU100,±18 % with ET-D3LEW200) (powered) |
| **Keystone correction range** | Vertical: ±45 ° (± 40 ° with ET-D75LE10/ET-D3LEW10/ET-D75LE20/ET-D3LES20, ±28 ° with ET-D75LE6/ET-D3LEW60,±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95),Horizontal: ±40 ° (±15 ° with ET-D3LEW50/ET-D75LE6/ET-D3LEW60, ±5 ° with ET-D3LEU100/ET-D3LEW200,0 ° with ET-D75LE95)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °. |
| **Installation** | Ceiling/floor, front/rear, free 360-degree installation |
| **Terminals -> HDMI™ IN** | HDMI x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*5) |
| **Terminals -> DisplayPort™ IN** | DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*5) |
| **Terminals -> MULTI PROJECTOR SYNC IN** | BNC x 1 |
| **Terminals -> MULTI PROJECTOR SYNC OUT** | BNC x 1 |
| **Terminals -> MULTI SYNC IN/ 3D SYNC 1 IN/OUT (dual purpose)** | — |
| **Terminals -> MULTI SYNC OUT/ 3D SYNC 2 OUT (dual purpose)** | — |
| **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 (for wired remote control) |
| **Terminals -> REMOTE 2 IN** | D-sub 9-pin (female) x 1 for external control (parallel) |
| **Terminals -> LAN** | RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible |
| **Terminals -> DC OUT** | USB Type A x 1 (for power supply, DC 5 V, 2 A) |
| **Terminals -> USB TYPE A** | USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory |
| **Terminals -> SLOT** | Open slot for function boards, Intel® SDM compatible |
| **Power supply** | AC 100 V–120 V / AC 200 V–240 V, 50 Hz/60 Hz (The maximum value of light output is limited to 15,000 lm or less when using the projector with AC 100 V to AC 120 V. Other limitations apply.*6) |
| **Maximum power consumption** *9 | AC 200 V–AC 240 V : 1,190 W (1,220 VA)AC 100 V–AC 120 V : 1,080 W (1,090 VA) |
| **On-mode power consumption(Operating mode) -> Normal** *9 | [NORMAL] 1,030 W |
| **On-mode power consumption(Operating mode) -> Eco** *9 | [ECO] 820 W |
| **On-mode power consumption(Operating mode) -> Quiet** *9 | [QUIET] 810 W |
| **Cabinet materials** | Molded plastic |
| **Filter** | No |

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| **Operation noise -> Normal** [*3] | 43 dB [NORMAL] |
| **Operation noise -> Eco** [*3] | 43 dB[ECO] |
| **Operation noise -> Quiet** [*3] | 40 dB [QUIET] |
| **Dimensions (W x H x D)** | Approx. 550 x 220 x 570 mm (21 5/8″ x 8 11/16″ x 22 7/16″ ) (not including protruding parts) |
| **Dimensions (W x H x D) -> Width (not including protruding parts)** | 550 mm (21 5/8″) |
| **Dimensions -> Height (not including protruding parts)** | 220 mm (8 11/16″) |
| **Dimensions -> Depth (not including protruding parts)** | 570 mm (22 7/16″) |
| **Weight** [*10] | Approx. 35 kg (77.2 lbs) |
| **Operating environment -> Operating temperature** [*11] | 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, Projector Network Setup Software, Early Warning Software,Geometry Manager Pro, Smart Projector Control for iOS/Android™ |
| **Body Colour** | Black |
| **Gross Dimensions (W x H x D in mm)** | RQ18KU/RQ18KEJ: 792 x 794 x 455 mm<br>RQ18KE; 770 x 772 x 445 mm |
| **Gross Weight (Kg)** | RQ18KE: 42.4 kg (93.6 lbs)<br>RQ18KEJ: 44.2 kg (97.5 lbs) |
| **NFC** | Yes |
| **EAN** | RQ18KEJ: 5025232925551<br>RQ18KE: 8887549809804 |
| **Terminals -> SDI IN** | — |
| **Terminals -> DVI-D IN** | — |
| **Terminals -> DIGITAL LINK IN / LAN** | — |
| **Active 3D** | No |
| **SDM** | Yes |
| **Footnote Description** | 1. This is the value when the Zoom Lens (Model No.: ET-D3LES20) is used with power supply voltage of AC 200 V to AC 240 V. The value varies depending on the lens.<br>2. When [OPERATING MODE] is set to [NORMAL].<br>3. 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>4. 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>5. Average light-output value of all shipped products measured at the center of the screen.<br>6. 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 decreases to 50 % will vary depending on environment.<br>7. 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K.<br>8. Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts.<br>9. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft).<br>10. Average value. May differ depending on the actual unit.<br>11. When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). 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). |