

# Panasonic



**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





PT-RQ18K

<https://ap.pnd.panasonic.com/ph/en/pt-rq18k>

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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>                                | 20.3 mm (0.8 in) diagonal (16:10 aspect ratio)   |
| <b>Display Device -&gt; Number of pixels</b>                          | 2,304,000 (1920 x 1200 pixels) x 3   |
| <b>Light source</b>   | Laser diode  |
| <b>Light output *1 *2</b>   | 16,000 lm  |
| <b>Light output (ANSI) *1 *3</b>                                      | 16,000 lm  |
| <b>Light output (Center) *1 *4</b>                                    | 16,800 lm (Center)   |
| <b>Time until light output declines to 50 %</b>                       | 20,000 hours [NORMAL]  |
| -> NORMAL *5  |  |
| <b>Time until light output declines to 50 %</b>                       | 24,000 hours [ECO]   |
| -> ECO *5   |  |
| <b>Time until light output declines to 50 %</b>                       | 20,000 hours [QUIET]   |
| -> QUIET *5   |  |
| <b>Resolution</b>   | 4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)   |
| <b>Contrast Ratio (typ.) *2</b>                                       | 25,000:1 (Full On/Full Off, Dynamic Contrast [3])  |
| <b>Screen size (diagonal)</b>   | 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   |
| <b>Center-to-corner zone ratio *2</b>                                 | 90%  |
| <b>Lens</b>   | Optional (no lens included with this model)  |
| <b>Lens shift -&gt; Vertical (from center of screen)</b>              | ±66 % (52 % with ET-D75LE6/ET-D3LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D3LEU100, ±57 % with ET-D3LEW200) (powered)  |
| <b>Lens shift -&gt; Horizontal (from center of screen)</b>            | ±24 % (18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D3LEU100, ±18 % with ET-D3LEW200) (powered)  |
| <b>Keystone correction range</b>                                      | 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 °. |
| <b>Installation</b>   | Ceiling/floor, front/rear, free 360-degree installation  |
| <b>Terminals -&gt; HDMI™ IN</b>                                       | HDMI x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*5)   |
| <b>Terminals -&gt; DisplayPort™ IN</b>                                | DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input*5)   |
| <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; MULTI SYNC IN/ 3D SYNC 1 IN/OUT (dual purpose)</b> | —  |
| <b>Terminals -&gt; MULTI SYNC OUT/ 3D SYNC 2 OUT (dual purpose)</b>   | —  |
| <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 (for wired remote control)  |
| <b>Terminals -&gt; REMOTE 2 IN</b>                                    | D-sub 9-pin (female) x 1 for external control (parallel)   |
| <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 Type A x 1 (for power supply, DC 5 V, 2 A)   |
| <b>Terminals -&gt; USB TYPE A</b>                                     | USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory  |
| <b>Terminals -&gt; SLOT</b>   | Open slot for function boards, Intel® SDM compatible   |
| <b>Power supply</b>   | 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)  |
| <b>Maximum power consumption *13</b>                                  | AC 200 V–AC 240 V : 1,190 W (1,220 VA) AC 100 V–AC 120 V : 1,080 W (1,090 VA)  |
| <b>On-mode power consumption (Operating mode) -&gt; Normal *13</b>    | [NORMAL] 1,030 W   |
| <b>On-mode power consumption (Operating mode) -&gt; Eco *13</b>       | [ECO] 820 W  |
| <b>On-mode power consumption (Operating mode) -&gt; Quiet *13</b>     | [QUIET] 810 W  |
| <b>Cabinet materials</b>  | Molded plastic   |
| <b>Filter *14</b>   | No   |
| <b>Operation noise -&gt; Normal</b>                                   | 43 dB [NORMAL]   |
| <b>Operation noise -&gt; Eco</b>                                      | 43 dB [ECO]  |

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| <b>Operation noise -&gt; Quiet</b>   | 40 dB [QUIET]  |
| <b>Body Colour</b>   | Black  |
| <b>Dimensions (W x H x D)</b>  | Approx. 550 x 220 x 570 mm (21 5/8" x 8 11/16" x 22 7/16" ) (not including protruding parts)   |
| <b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b> | 550 mm (21 5/8")   |
| <b>Dimensions -&gt; Height (not including protruding parts)</b>            | 220 mm (8 11/16")  |
| <b>Dimensions -&gt; Depth (not including protruding parts)</b>             | 570 mm (22 7/16")  |
| <b>Gross Dimensions (W x H x D in mm)</b>                                  | RQ18KU/RQ18KE: 792 x 794 x 455 mm<br>RQ18KE: 770 x 772 x 445 mm  |
| <b>Weight *15</b>  | Approx. 35 kg (77.2 lbs)   |
| <b>Gross Weight (Kg)</b>   | RQ18KE: 42.4 kg (93.6 lbs)<br>RQ18KEJ: 44.2 kg (97.5 lbs)  |
| <b>Operating environment -&gt; Operating temperature *16 *17</b>           | 0-45 °C (32-113 °F)  |
| <b>Operating Environment -&gt; Operating humidity (No condensation)</b>    | 10-80 % (no condensation)  |
| <b>Applicable software</b>   | Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™  |
| <b>NFC</b>   | Yes  |
| <b>EAN</b>   | RQ18KEJ: 5025232925551<br>RQ18KE: 8887549809804  |
| <b>Terminals -&gt; SDI IN</b>  | —  |
| <b>Terminals -&gt; DVI-D IN</b>  | —  |
| <b>Terminals -&gt; DIGITAL LINK IN / LAN</b>                               | —  |
| <b>Active 3D</b>   | No   |
| <b>SDM</b>   | Yes  |
| <b>Footnote Description</b>  | <ol style="list-style-type: none"> <li>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.</li> <li>2. When [OPERATING MODE] is set to [NORMAL].</li> <li>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.</li> <li>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.</li> <li>5. Average light-output value of all shipped products measured at the center of the screen.</li> <li>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/m<sup>3</sup> of particulate matter. Estimated time until light output decreases to 50 % will vary depending on environment.</li> <li>7. 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K.</li> <li>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.</li> <li>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).</li> <li>10. Average value. May differ depending on the actual unit.</li> <li>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).</li> </ol> |