



**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/sg/en/pt-rq18k>

<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 *2</b>	16,000 lm
<b>Light output (Center) *1 *2</b>	16,800 lm (Center)
<b>Time until light output declines to 50 % -&gt; NORMAL *6</b>	20,000 hours [NORMAL]
<b>Time until light output declines to 50 % -&gt; ECO *6</b>	24,000 hours [ECO]
<b>Time until light output declines to 50 % -&gt; QUIET *6</b>	20,000 hours [QUIET]
<b>Resolution</b>	4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)
<b>Contrast Ratio (typ.) *3</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 *3</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, PLink™ (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 *8</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 *8 *9</b>	[NORMAL] 1,030 W
<b>On-mode power consumption(Operating mode) -&gt; Eco *8 *9</b>	[ECO] 820 W
<b>On-mode power consumption(Operating mode) -&gt; Quiet *9 *10</b>	[QUIET] 810 W
<b>Cabinet materials</b>	Molded plastic
<b>Filter</b>	No
<b>Operation noise -&gt; Normal *3</b>	43 dB [NORMAL]
<b>Operation noise -&gt; Eco *3</b>	43 dB [ECO]

<b>Operation noise -&gt; Quiet *3</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/RQ18KEJ: 792 x 794 x 455 mm RQ18KE: 770 x 772 x 445 mm
<b>Weight *10</b>	Approx. 35 kg (77.2 lbs)
<b>Gross Weight (Kg)</b>	RQ18KU: 44.0 kg (96.9 lbs) RQ18KE: 42.4 kg (93.6 lbs) RQ18KEJ: 44.2 kg (97.5 lbs)
<b>Operating environment -&gt; Operating temperature</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>	<a href="https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional</a>
<b>EAN</b>	RQ18KEJ: 5025232925551 RQ18KE: 8887549809804
<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>