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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https://ap.connect.panasonic.com/vn/vi/products/projectors-and-displays/pt-rq18k

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	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	[NORMAL] 1,030 W
On-mode power consumption(Operating mode) -> Eco	[ECO] 820 W
On-mode power consumption(Operating mode) -> Quiet *8	[QUIET] 810 W
Cabinet materials	Molded plastic
Filter	No

Operation noise -> Normal [*2]	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 [*6]	Approx. 35 kg (77.2 lbs)
Operating environment -> Operating temperature [*7] [*8] [*9]	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 RQ18KE; 770 x 772 x 445 mm
Gross Weight (Kg)	RQ18KE: 42.4 kg (93.6 lbs) RQ18KEJ: 44.2 kg (97.5 lbs)
NFC	Yes
EAN	RQ18KEJ: 5025232925551 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. 2. When [OPERATING MODE] is set to [NORMAL]. 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. 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. 5. Average light-output value of all shipped products measured at the center of the screen. 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. 7. 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K. 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. 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). 10. Average value. May differ depending on the actual unit. 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).