Panasonic CONNECT

A New Benchmark in 4K Projection: Introducing the World's Smallest and Lightest 40,000 lm*1 Projector

PT-RQ45K

Key Features

Compact 40,000 Lumen Design for Efficient Workflow

Enhanced Reliability in Harsh Environments

Spectacular 4K Visuals

360°

PT-RQ45K

https://eu.connect.panasonic.com/gb/en/projectors/pt-rq45k

Projector type	3-Chip DLP™ projector
Display method	DLP™ chip x 3, DLP™ projection system
Display Device -> Panel size	24.4 mm (0.96 in) diagonal (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 (1920 x 1200 pixels) x 3
Light source	Laser diodes (Blue LD, Red LD)
Light output [1]	40,000 lm[3] (TBD)
Light output (ANSI) [3]	40,000 lm[4] (TBD)
Light output (Center) [4]	TBD
Time until light output declines to 50 % -> NORMAL [5]	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO [5]	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET [5]	26,000 hours [QUIET]
Resolution	PT-RQ45K: 4K (3840 x 2400 pixels) (Quad Pixel Drive: ON) PT-RZ44K: WUXGA (1920 x 1200 pixels)
Contrast Ratio (typ.) [2]	25,000 : 1 (Full On/Full Off, Dynamic Contrast [3]) (TBD)
Screen size (diagonal)	1.78–25.40 m (70–1000 in) (depending on attached lens)
Center-to-corner zone ratio [2]	90%
Lens	Optional (no lens included with this model)
Lens shift -> Vertical(from center of screen) [6]	TBD
Lens shift -> Horizontal(from center of screen) [6]	TBD
Keystone correction range	TBD
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> SDI IN	BNC x 1 : 12G / SDI input
Terminals -> HDMI™ IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[6])
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 -> 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 -> 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 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 (dual-use with DC OUT terminal)
Terminals -> SLOT	Open slot for function boards, Intel® SDM standard-compatible
Protocol versions	IPv4, IPv6[7]
Power supply	Single Phase AC 100–240 V, 50/60 Hz
Maximum power consumption	TBD
On-mode power consumption(Operating mode) -> Normal	TBD
On-mode power consumption(Operating mode) -> Eco	TBD
On-mode power consumption(Operating mode) -> Quiet	TBD
Cabinet materials	Molded plastic
Operation noise -> Normal [2]	TBD
Dimensions (W x H x D)	Approx. 598 x 353 x 780 mm (23 17/32″ x 13 29/32″ x 30 23/32″) (not including protruding parts) (TBD)
Weight [kg] [8]	70 kg (155 lbs) or less (TBD)
Operating environment -> Operating temperature [9]	0–45 ℃ (32–113 °F)[10]
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software [10]	Multi Monitoring & Control Software, Projector Network Setup Software, Smart Projector Control for iOS/Android™, NFC Upgrade Kit (TBD)
Control function via LAN	Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)

Footnote Description

1. This is the value when the Zoom Lens (Model No.: ET-D3LES250) is used. 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. Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE] is set to [DYNAMIC], [DYNAMIC CONTRAST] is set to [2]). Estimated time until light output declines to 50 % varies depending on environment.
6. 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ44K.
7. Optional AJ-WM50 Series Wireless Module is not compatible with IPv6.
8. 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).
9. Average value. May differ depending on the actual unit.
10. Do not install the projector at an altitude of 4 200 m (13 780') or higher above sea level. (Altitude of 4 200 m (13 780') above sea level is the maximum height that the performance of this projector is guaranteed.) Using the projector in a location where the altitude is too high or the ambient temperature is too high may reduce the life of the components or result in malfunctions. Upper limit of the operating environment temperature varies depending on the altitude above sea level. When using the projector at an altitude between 0 m (0') and 1 400 m (4 593') above sea level: 0 °C (32 °F) to 45 °C (113 °F) When using the projector at an altitude between 1 400 m (4 593') and 4 200 m (13 780') above sea level: 0 °C (32 °F) to 40 °C (104 °F) Do not use the projector in a location where the ambient temperature exceeds 40 °C (104 °F) regardless of the altitude when the optional Wireless Module (Model No.: AJ-WM50 Series) is attached to the projector.