Panasonic



World’s most compact 50,000 lumen Laser Projector with Native 4K Resolution

PT-RQ50K

3-Chip DLPTM laser projector with 50,000 lumens brightness and native 4K (4096 × 2160) resolution. Features a multi-laser light engine with a dedicated red laser to deliver an expanded color gamut and high color accuracy. Supports interchangeable lenses (lens not included). Operating noise is approximately 52 dB. Equipped with Intel® SDM / SLOT NX, NFC, and compatible with the Smart Projector Control app. Designed as a compact all-in-one body with an advanced cooling system despite its ultra-high brightness. Supports 24/7 continuous operation and

Key Features

- Laser 3-chip DLP, 50,000 lumens, Native 4K
- Lamp-free laser projection with hermetically sealed optics and filter-less design, for 20,000 hours maintenance free operation
- Compact body allows for simplified transport, install and adjustment
- Dualised design provides the ultimate in backup and reliability
- 20,000:1 contrast ratio...

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https://ap.pnd.panasonic.com/nz/en/products/projectors/pt-rq50k

Projector type	3-Chip DLP™projector
Display method	DLP™ chip x 3, DLP™ projection system
Display Device -> Panel size	35.1 mm (1.38 in) diagonal (17:9 aspect ratio)
Display Device -> Number of pixels	8,847,360 (4096 x 2160 pixels) x 3
Light source	Laser diodes (Blue LD, Red LD)
Light output *1 *2	50,000 lm
Light output (ANSI) *3	50,000 lm
Light output (Center) +4	51,000 lm (Center)
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]
Resolution	Native 4K (4096 x 2160 pixels)
Contrast Ratio (typ.) *2	20,000:1 (Full On/Full Off, Dynamic Contrast [3])
Screen size (diagonal)	2.54–38.1 m (100–1,500 in) with new optional lens for PT-RQ50K, 17:9 aspect ratio
Center-to-corner zone ratio *2	90%
Lens	Optional (no lens included with this model)
Lens shift -> Vertical(from center of screen)	±45 % (±25 % with ET-D3QT600, ±30 % with ET-D3QT700/ET-D3QT800, ±40 % with ET-D3QW300) (powered)
Lens shift -> Horizontal(from center of screen)	±16 % (±8 % with ET-D3QT600, ±10 % with ET-D3QT700/ET-D3QT800, ±14 % with ET-D3QW300) (powered)
Keystone correction range	Vertical: ±40 ° (±28 ° with ET-D3QW300), Horizontal: ±40 ° (±15 ° with ET-D3QW300)
Installation	Horizontal/vertical, free 360-degree installation
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 -> 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
Terminals -> REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PJLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible
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 2 (for power supply only, DC 5 V, total of 2 A)
Terminals -> USB TYPE A	USB Connector Type A x 1 for optional AJ-WM50 Series Wireless Module/USB memory
Terminals -> SLOT	SLOT1 : Interface Board for 12G-SDI (ET-MDN12G10) supplied SLOT2 : Optional interface boards, SLOT NX compatible
Power supply	AC 200–240 V, 50/60 Hz; AC 100–120 V, 50/60 Hz
Maximum power consumption	4,100 W (AC 100–120 V: 1,100 W)
On-mode power consumption(Operating mode) -> Normal	3,970 W [NORMAL]
On-mode power consumption(Operating mode) -> Eco	3,110 W [ECO]
Standby power consumption -> Normal	6 W [NORMAL]
Cabinet materials	Fabricated metal and molded plastic
Filter	No
Operation noise -> Normal *2	52 dB [NORMAL]
Body Colour	Black
Dimensions (W x H x D)	Approx. 720 x 445 x 1,070 mm (28 11/32″ x 17 17/32″ x 42 1/8″) (excluding handle, adjuster feet, and other protruding parts)
Gross Dimensions (W x H x D in mm)	Approx. 1021 x 731 x 1499 mm
Weight *6	Approx. 126 kg (278 lbs) (without lens)
Gross Weight (Kg)	RQ50KEJ/RQ50KE: 155.2 kg (342.1 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, Visual Software Suite,Geometry Manager Pro, Smart Projector Control for iOS/Android™
NFC	Yes
EAN	RQ50KEJ: 5025232911301 RQ50KE: 8887549774911
Terminals -> SDI IN	–
Terminals -> HDMI™ IN	–
Terminals -> DVI-D IN	–
Terminals -> DisplayPort™ IN	–
Active 3D	No
SDM	No
Front URL	https://eu.connect.panasonic.com/gb/en/projectors/pt-rq50k
Footnote Description	1. When [OPERATING MODE] is set to [NORMAL]. 2. 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. 3. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 4. Average light-output value of all shipped products measured at the center of the screen. 5. 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 declines to 50 % varies depending on environment. 6. Average value. May differ depending on the actual unit. 7. 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). 8. When optional AJ-WM50 wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). 9. When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector.