Panasonic CONNECT



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

PT-RQ50K

The PT-RQ50K is an all-in-one projector built to create breath-taking experiences with ease and reassurance. It combines Panasonic's finest image quality and long-proven reliability.

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.connect.panasonic.com/p h/en/products/projectors/pt-rq50k







Projector type	3-Chip DLP TM projector
Display method	DLP TM chip x 3, DLP TM projection system
Display Metrica 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 *3	50,000 lm
Light output (ANSI) *4	50,000 lm
Light output (Center) *5	51,000 lm (Center)
Time until light output declines to 50 %	620,000 hours [NORMAL]
-> NORMAL ^{*6} Time until light output declines to 50 % -> ECO ^{*6}	6 24,000 hours [ECO]
Resolution	Native 4K (4096 x 2160 pixels)
Contrast Ratio (typ.) *3	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 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 *3	90%
Lens	New optional lenses for PT-RQ50K (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)
	±16 % (±8 % with ET-D3QT600, ±10 % with ET-D3QT700/ET-D3QT800, ±14 % with ET-
of screen)	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 TM compliant), PJLink TM (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible
Terminals -> LAN	RJ- 45×1 for network connection, PJLink TM (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 Wireless Module (AJ-WM50 Series) / USB Memory Stick
Terminals -> SLOT	SLOT1 : Interface Board for 12G-SDI (ET-MDN12G10) suppliedSLOT2 : 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 *9	4,100 W (AC 100–120 V: 1,100 W)
On-mode power consumption(Operating mode) -> Normal *9	3,970 W
On-mode power	3,110 W
consumption(Operating mode) -> Eco *9	•
Standby power consumption -> Normal	6 W
Cabinet materials	Fabricated metal and molded plastic
Filter	No
Operation noise -> Normal *3	52 dB [NORMAL]
Dimensions (W x H x D)	$720\times445\times1,070$ mm (28 11/32" \times 17 17/32" \times 42 1/8") (excluding handle, adjuster feet and other protruding parts)
Dimensions (W x H x D) -> Width (not including protruding parts)	720 mm (28 11/32")
Dimensions -> Height (not including protruding parts)	445 mm (17 17/32")
Dimensions -> Depth (not including protruding parts)	1,070 mm (42 1/8")
	Approx. 126 kg (278 lbs) (without lens)
Weight *10	
Weight *10 Operating environment -> Operating temperature *11	_ · · ·

Applicable software

Footnote Description

 $Logo\ Transfer\ Software,\ Multi\ Monitoring\ \&\ Control\ Software,\ Geometry\ Manager\ Pro,\ Smart\ Projector\ Control\ for\ iOS/Android^{TM}$

- 1. When [OPERATING MODE] is set to [NORMAL].
- 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.
- 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 $^{\circ}\text{C}$ (32–104 $^{\circ}\text{F}\text{)}.$
- 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.