

PT-RQ35K Series

*World's Smallest and Lightest 30,000 lm 3-Chip DLP™
4K Projector* Streamlines Workflow Management*



Scan QR Code to
visit the Smart Projector
Control website.



Main Features

Revolutionize Projection with Streamlined Workflow

Despite its high brightness and jaw-dropping image quality, PT-RQ35K is the lightest 3-Chip DLP™ 4K projector in its class and can be carried by two people, saving resources.

Spellbinding Picture Quality

Two blue and one red laser expand color-space by 114 %*1. Vivid reds and deep, natural blues heighten realism and help create an immersive projection experience faithful to the artist's intent.

Original Cooling System for Projection Stability

Cooling system and finless radiator reinforce reliability over 20,000 hours*2 of maintenance-free operation. Backup input and laser failover circuitry maintain image display in mission-critical situations.

	PT-RQ35K	PT-RZ34K
Light Output	30,500 lm ³ / 32,000 lm (Center) ⁴	
Resolution	4K (3840 x 2400 pixels ⁵)	WUXGA (1920 x 1200 pixels)

Streamlined Installation Workflow

With a body 40 %*1 smaller than the PT-RQ32K and footprint approximate to the PT-RQ22K, PT-RQ35K Series is easily carried by two people. Setup on AC 100–120 V*2 minimizes delays while AC 200–240 V is rolled out. Preactivated upgrade kits for Geo Pro*3 expedite multi-screen calibration. You can check content on PC screen prior to projection via Remote Preview even while the projector is in Standby.

Spectacular Color for Multi-Screen Projection

Red and blue lasers achieve vivid reds and deep, natural blues with color-gamut reproduction expanded to 114 % (91 % DCI) over the PT-RQ32K. Newly developed Gradation Smoother reduces banding noise in gradients of shaded color. Improved edge-blending function allows you to adjust black border to screen curvature using up to 17 control points for precise black-level calibration.

Smart Projector Control with NFC Function*4

Get a head start on projector setup even without AC power: just pair your smartphone via NFC and enter Projector ID and IP address. Smart Projector Control app expedites network connection*5 with a QR Code displayed on Information Monitor, no SSID or password required. Adjust settings without menu projection and focus via smartphone camera*6.

Engineered for Absolute Reliability

Dynamic Digital Control precisely adjusts red-laser output to image requirements and temperature. Projection stability is maintained by a dedicated cooling system. Finless radiator boosts cooling efficiency while shielded laser drive preserves image quality over 20,000 hours*7 of maintenance-free projection.

Backup input and failover circuitry maintain image display in mission-critical situations.

Other Features

- Information Monitor shows temp., runtime, signal data, error codes
- Quiet Mode*8 ideal for theaters, museums, planetariums
- Geometric Adjustment with Free Grid
- Multi-Screen Support System and Multi-Unit Brightness & Color Control
- Shares Panasonic 3-Chip DLP™ projector lenses*9
- 3D Professional (PT-RZ34K only)
- Multi Monitoring & Control Software with optional Early Warning functions*10

Optional Accessories

- **Fisheye Lens** ET-D3LEF70

Note: Equipped with Auto Lens Identification Function.

- **Fixed-Focus Lens** ET-D75LE95 / ET-D3LEU100* / ET-D3LEW50*

* Equipped with Auto Lens Identification Function.

- **Zoom Lens**

ET-D3LEW200* / ET-D3LEW60* / ET-D75LE6 / ET-D3LEW10* / ET-D75LE10 / ET-D3LES20* / ET-D75LE20 / ET-D3LET30* /

ET-D75LE30 / ET-D3LET40* / ET-D75LE40 / ET-D3LET80* / ET-D75LE8

* Equipped with Auto Lens Identification Function and Stepping Motor.

- **Stepping Motor** Kit ET-D75MKS10 Note: Calibration is required each time the lens is mounted.

- **Wireless Module** AJ-WM50 Series

Note: Product availability may vary by country or region.

- **DIGITAL LINK Switcher** / Digital Interface Box

ET-YFB200G / ET-YFB100G

Note: Not compatible with 4K signals.

- **Lens Fixed Attachment** ET-PLF10 (For ET-D3LEF70)

/ ET-PLF20 (For ET-D3LEU100/LEW200)

Note: This attachment may be required in some installation environments.

- **Early Warning Software** ET-SWA100 Series

Note: Part number suffix may differ depending on the license type.

- **NFC Upgrade** Kit ET-NUK10

Note: Product availability may vary by country or region.

- **High Frame Rate Upgrade** Kit ET-SUK10

Note: For PT-RQ35K only.

- **Interface Board**

Interface Board for 12G-SDI Input ET-MDN12G10 Interface Board for 12G-SDI Optical ET-MDNFB10 Interface Board for HDMI® ET-MDNHM10 Interface Board for DVI Input ET-MDNDV10 Interface Board for DisplayPort™ ET-MDNDP10

Specifications

Model		PT-RQ35K	PT-RZ34K
Projector type		3-Chip DLP™ projector	
DLP™ chip	Panel size	24.4 mm (0.96 in) diagonal (16:10 aspect ratio)	
	Display method	DLP™ chip x 3, DLP™ projection system	
	Number of pixels	2,304,000 (1920 x 1200 pixels) x 3	
Light source		Laser diodes (Blue LD, Red LD)	
Light output		30,500 lm ¹ /32,000 lm (Center) ²	
Time until light output declines to 50 % ³		20,000 hours (Normal), 24,000 hours (Eco), 26,000 hours (Quiet)	
Resolution		4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)	WUXGA (1920 x 1200 pixels)
Contrast ratio ⁴		20,000:1 (Full On/Full Off, Dynamic Contrast [3])	
Screen size (diagonal)		1.78–25.4 m (70–1,000 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	
Center-to-corner zone ratio ⁵		80 %	
Lens		Optional (no lens included with this model)	
Lens shift ⁶ (From the origin point of the lens mounter)	Vertical	±55 % (+78 %, +68 % with ET-D75LE95, ±48 % with ET-D3LEW200, ±44 % with ET-D75LE6/ET-D3LEW60) (powered)	
	Horizontal	±20 % (±15 % with ET-D75LE6/ET-D3LEW60/ET-D3LEW200, ±12 % with ET-D75LE95, +25 %, 0 % with ET-D3LEU100) (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 °.	
Terminals	SDI IN	—	BNC x 1: 3G/HD-SDI input
	HDMI IN	HDMI x 1 (Deep Color, compatible with HDCP 2.2, 4K/60p signal input ¹⁵)	
	DVI-D IN	—	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP) (Single-link only)
	MULTI PROJECTOR SYNC IN	BNC x 1	—
	MULTI PROJECTOR SYNC OUT	BNC x 1	—
	MULTI PROJECTOR SYNC IN terminal/ 3D SYNC 1 IN/OUT terminal (dual purpose)	—	BNC x 1
	MULTI PROJECTOR SYNC OUT terminal/ 3D SYNC 2 OUT terminal (dual purpose)	—	BNC x 1
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)	
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control	
	REMOTE 1 OUT	M3 stereo mini-jack x 1 for link control	
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)	
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PjLink™ (Class 2), Deep Color, HDCP 2.2, 4K/60p signal input ¹⁵	
	LAN	RJ-45 x 1 for network connection, PjLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible	
	USB	USB connector (Type A) x 1 for optional Wireless Module (AJ-WM50 Series)/USB Memory Stick	
	DC OUT	USB Type A x 2 (for power supply, DC 5 V total of 2 A)	
Expansion slot	SLOT 1/SLOT 2 (total two terminals, vacant) for interface boards, SLOT NX compatible	SLOT (one terminal, vacant) for interface boards, SLOT NX compatible	
Power supply	AC 200 V–240 V (Light output will decrease when using the projector with AC 100 V to AC 120 V)		
Power consumption	2,550 W (Standby: 14 W)	2,450 W (Standby: 13 W)	
Operation noise ¹	49 dB (Normal), 46 dB (Quiet)		
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)		
Weight ⁶	59.8 kg (153.9 lbs)	58.6 kg (151.2 lbs)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F ¹), operating humidity: 10–80 % (no condensation)		
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™		