



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

\* Based on publicly available dimensions and weight for 3-Chip DLP™ 4K laser projectors with 26,000–35,000 lm brightness as of December 2020. PT-RQ35K Series has 30,500 lm (measurement, measuring conditions, and method of notation all compliant with ISO/IEC 21118: 2020 international standards, average value of all products when shipped).

#### ■ Main Features

## 01 | Revolutionize Projection with Streamlined Workflow

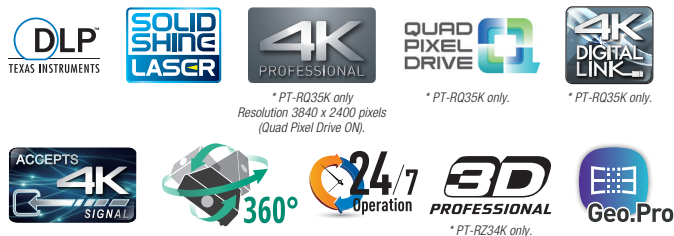
Despite its high brightness and jaw-dropping image quality, PT-RQ35K is the lightest 3-Chip DLP™ 4K projector in its class and can be carried by two people, saving resources.

## 02 | Spellbinding Picture Quality

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

## 03 | Original Cooling System for Projection Stability

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



\* Lens sold separately.

#### PT-RQ35K Series

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

\*1 In comparison to the PT-RQ32K according to internal research. \*\*2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of airborne particulate matter. Estimated time until light output decreases to 50 % will vary depending on environment. ‡3 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ‡4 Average light-output value of all shipped products measured at center of screen in Normal Mode. ‡5 Maximum physical resolution with Quad Pixel Drive ON.

## Streamlined Installation Workflow

With a body 40%<sup>1</sup> 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<sup>2</sup> minimizes delays while AC 200–240 V is rolled out. Preactivated upgrade kits for Geo Pro<sup>3</sup> 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.

<sup>1</sup> By cabinet volume according to internal research. <sup>2</sup> Brightness limited to one-third of maximum when operating on 100–120 V power. <sup>3</sup> Register projector at PASS to download free Geometry Manager Pro software for Windows® with preactivated upgrade kits. <sup>4</sup> Check device and OS compatibility at the App Store or the Google Play store. For more information, please visit <https://panasonic.net/cns/projector/download/application/smartq/>. <sup>5</sup> Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See <https://panasonic.net/cns/projector/products/smartqcontrol/regional.html> for details. <sup>6</sup> Requires optional AJ-WM50 Series Wireless Module (sold separately). Product availability varies depending on country or region. <sup>7</sup> Some mobile devices do not support projector auto-focus function. <sup>8</sup> Around this time, light output will have decreased by approximately 50%. <sup>9</sup> IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of airborne particulate matter. <sup>10</sup> Quiet Mode: 46 dB, brightness limited to 20,000 lm. <sup>11</sup> ET-SWA100 Early Warning Functions bundled with Multi Monitoring & Control Software for Windows®. Purchase optional license at PASS to continue usage after free 90-day trial expires.

## Smart Projector Control<sup>4</sup> with NFC Function<sup>5</sup>

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<sup>6</sup> with a QR Code displayed on Information Monitor, no SSID or password required. Adjust settings without menu projection and focus via smartphone camera<sup>7</sup>.



## 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<sup>8</sup> 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<sup>9</sup> 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<sup>10</sup>
- 3D Professional (PT-RZ34K only)
- Multi Monitoring & Control Software with optional Early Warning functions<sup>11</sup>

## 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 <sup>8</sup> /32,000 lm (Center) <sup>8,9</sup>	
Time until light output declines to 50% <sup>8,9</sup>	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 <sup>4</sup>	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 <sup>4</sup>	90%	
Lens	Optional (no lens included with this model)	
Lens shift <sup>4,5</sup> (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	—
	HDMI IN	HDMI x 1 (Deep Color, compatible with HDCP 2.2, 4K/60p signal input <sup>4</sup> )
	DVI-D IN	—
	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)	—
	MULTI PROJECTOR SYNC OUT terminal/ 3D SYNC 2 OUT terminal (dual purpose)	—
	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 (HDBase™ compliant), 100Base-TX, compatible with Art-Net, PLink™ (Class 2), Deep Color, HDCP 2.2, 4K/60p signal input <sup>4,5</sup>
	LAN	RJ-45 x 1 for network connection, PLink™ (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	
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)	
Operation noise <sup>11</sup>	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 <sup>4,5</sup>	69.8 kg (153.9 lbs)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F <sup>11</sup> ), operating humidity: 10–80% (no condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android <sup>11</sup>	

<sup>1</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. <sup>2</sup> Average light-output value of all shipped products measured at center of screen in NORMAL Mode. <sup>3</sup> Around this time, light output will have decreased by approximately 50%. <sup>4</sup> 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/m<sup>3</sup> of particulate matter. Estimated time until light output decreases to 50% will vary depending on environment. <sup>5</sup> 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ34K. <sup>6</sup> Average value. May differ depending on the actual unit. <sup>7</sup> 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).

## 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-D3LE20\* / 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. Operating Temperature: 0–40 °C (32–104 °F).
- 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/D3LEW200)  
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-MDNDDV10  
Interface Board for DisplayPort™ ET-MDNDDP10

# Panasonic CONNECT



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Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to **Panasonic Connect Co., Ltd.** as of April 1, 2022.