Panasonic
BUSINESS

# PT-RQ35K Series

**3-Chip DLP™ Projectors**

## 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 %*1. 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*2 of maintenance-free operation. Backup input and laser failover circuitry maintain image display in mission-critical situations.

DLP TEXAS INSTRUMENTS · SOLID SHINE LASER · 4K PROFESSIONAL · QUAD PIXEL DRIVE · 4K DIGITAL LINK

** PT-RQ35K only Resolution 3840 x 2400 pixels (Quad Pixel Drive ON).*

** PT-RQ35K only.*

** PT-RQ35K only.*

ACCEPTS 4K SIGNAL · 360° · 24/7 operation · 3D PROFESSIONAL · Geo. Pro

** PT-RZ34K only.*

** Lens sold separately.*

### PT-RQ35K Series

| | 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) |

**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/m³ 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 %*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.

## 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.

*Scan QR Code to visit the Smart Projector Control website.*

## 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.

## 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

*1 By cabinet volume according to internal research. *2 Brightness limited to one-third of maximum when operating on 100–120 V power. *3 Register projector at PASS to download free Geometry Manager Pro software for Windows® with preactivated upgrade kits. *4 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit to activate NFC function. *5 Optional AJ-WM50 Series Wireless Module required. *6 Autofocus function not supported on some devices. *7 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/m³ of airborne particulate matter. *8 Quiet Mode: 46 dB, brightness limited to 20,000 lm. *9 Excluding lenses for PT-RQ50K. *10 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.*

## 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*1 | | 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*1 | | 90 % | |
| Lens | | Optional (no lens included with this model) | |
| Lens shift*4 (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*5) | |
| | 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*5 | |
| | 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 | | 69.8 kg (153.9 lbs) | 68.6 kg (151.2 lbs) |
| Operating environment | | Operating temperature: 0–45 °C (32–113 °F*7), operating humidity: 10–80 % (no condensation) | |
| Applicable software | | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™ | |

*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *2 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *3 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 decreases to 50 % will vary depending on environment. *4 Lens shift is not supported on the ET-D3LEW50. *5 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ34K. *6 Average value. May differ depending on the actual unit. *7 When optional AJ-WM50 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-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

Panasonic®



For more information about Panasonic projectors, please visit:
Projector Global Website – **panasonic.net/cns/projector**
Facebook – **www.facebook.com/panasonicprojectoranddisplay**
YouTube – **www.youtube.com/user/PanasonicProjector**

**All information included here is valid as of December 2020.**

RQ35Kseries_G1 Printed in Japan.