Panasonic
BUSINESS

PRELIMINARY
AS OF FEBRUARY 2020

PT-RQ35K Series

3-Chip DLP™ Projectors

AVAILABLE FROM NOVEMBER 2020

World's Smallest and Lightest*1 30,000 lm*2 3-Chip DLP™ Laser Projectors Streamline Workflow Management

*1 As of February 2020, based on dimensions and weight publicly available for laser projectors between 26,000–35,000 lumens.

* Lens sold separately.

* PT-RQ35K only
Resolution 3840 x 2400 pixels
(QUAD PIXEL DRIVE: ON)

* PT-RQ35K only.

* PT-RQ35K only.

* PT-RZ34K only.

PT-RQ35K Series		
	PT-RQ35K	PT-RZ34K
Light Output	30,000 lm*2/31,000 lm (Center)*3	
Resolution	4K (3840 x 2400 pixels*)	WUXGA (1920 x 1200 pixels)

* With Quad Pixel Drive ON.

• Revolutionizing Event Operation with Simplified Workflow

Bringing massive brightness to tight installation spaces, the PT-RQ35K Series outputs 30,000 lm*2 from a body 60 % the size of our 26,000 lm*2 PT-RQ32K. Streamlining features include Smart Projector Control with NFC*4 for mobile access to network configuration such as IP address setup.

• Spellbinding Pictures at up to 4K with Expanded Color Gamut

Red and blue lasers emitting at optimal wavelengths expand color-space by 114 %*5 over the PT-RQ32K. Vivid reds and truer blues heighten realism for ultra-detailed 4K or WUXGA image reproduction. High brightness, vibrant color, and immersive contrast carry content to a new level.

• Stable Operation with Newly Refined Cooling System

New filterless cooling system combines a finless radiator and hermetically sealed DMDs to reinforce reliability. Separate cooling for the sensitive red laser is managed by Dynamic Digital Control to assure stability as temperature fluctuates. Failover Circuitry and Backup Input*6 add insurance to a 20,000-hour*7 maintenance-free design.

*2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *3 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *4 NFC (Near Field Communication) function availability may vary by country or region. *5 Panasonic research. *6 Combination of primary/backup input terminals is fixed. Backup Input Function enabled when input signal to primary/backup terminals is the same. *7 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [ON], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until brightness decreases to 50 % will vary depending on environment and usage conditions. Parts other than the light source may require replacement before 20,000 hours, and checkup is recommended around this time.

Specifications (Tentative)

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		30,000 lm*1/31,000 lm (Center)*2	
Time until light output declines to 50 %*3		20,000 hours (NORMAL)	
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 Mode: 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-D75LE50/ET-D3LEW50, ±15 ° with ET-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D75LE50/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 °.	
Installation		Ceiling/floor, front/rear, free 360-degree installation	
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/ 3D SYNC IN/OUT	—	BNC x 1
	MULTI PROJECTOR SYNC OUT/ 3D SYNC OUT	—	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 to approximately one third when using the projector with AC 100 V to AC 120 V)	
Power consumption		TBD	
Cabinet materials		Molded plastic	
Operation noise*1		TBD	
Dimensions (W x H x D)		600 x 360 x 800 mm (23 $^5/_8$˝ x 14 $^3/_{16}$˝ x 31 $^1/_2$˝) or less, not including protruding parts*6	
Weight*7		70 kg (154 lbs) or less*8	
Operating environment		Operating temperature: 0–45 °C (32–113 °F), operating humidity: TBD	
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: 2012 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 [ON], 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. *4 Lens shift is not supported on the ET-D75LE50/ET-D3LEW50. *5 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ34K. *6 600 x 360 x 800 mm (23 $^5/_8$˝ x 14 $^3/_{16}$˝ x 31 $^1/_2$˝) as of February 2020. Dimensions may be smaller at time of launch. *7 Average value. May differ depending on the actual unit. *8 70 kg (154 lbs) as of February 2020. Weight may be less at time of launch.*

Optional Accessories

- **Fisheye Lens**
  ET-D3LEF70
  Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens**
  ET-D75LE95 (0.364:1) / ET-D3LEU100* (0.370:1) / ET-D3LEW50* (0.694:1) / ET-D75LE50 (0.694:1)
  ** Equipped with Auto Lens Identification Function.*
- **Zoom Lens**
  ET-D3LEW200* (0.645–0.850:1) / ET-D3LEW60* (0.924–1.10:1) / ET-D75LE6 (0.924–1.10:1) / ET-D3LEW10* (1.26–1.72:1) / ET-D75LE10 (1.30–1.67:1) / ET-D3LES20* (1.67–2.41:1) / ET-D75LE20 (1.67–2.41:1) / ET-D3LET30* (2.40–4.66:1) / ET-D75LE30 (2.40–4.66:1) / ET-D3LET40* (4.61–7.41:1) / ET-D75LE40 (4.62–7.38:1) / ET-D3LET80* (7.34–13.8:1) / ET-D75LE8 (7.34–13.8:1)
  ** 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**
  ET-YFB200G
  Note: ET-YFB200G is not compatible with 4K signals.
- **Digital Interface Box**
  ET-YFB100G
  Note: ET-YFB100G is not compatible with 4K signals.
- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.
  ** Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: www.panasonic.net/cns/projector/download/application/*
- **NFC Upgrade Kit**
  ET-NUK10
  Note: Product availability may vary by country or region.
- **Interface Board**
  Interface Board for 12G-SDI Input (Input x 2, Input/Output x 2)
  ET-MDN12G10
  Interface Board for 12G-SDI Optical (Input x 1, Input/Output x 1)
  ET-MDNFB10
  Interface Board for HDMI® (HDCP 2.2) Input (Input x 2)
  ET-MDNHM10
  Interface Board for DVI Input (Input x 2)
  ET-MDNDV10
  Interface Board for DisplayPort™ (Input x 2)
  ET-MDNDP10

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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 February 2020.

PT-RQ35KPRE1 Printed in Japan.