Panasonic

MEViX

3-Chip DLP™ Projectors

PT-RQ25K Series

Note: Product availability varies by country or region.

Deliver More for Less with The World's Smallest And Lightest 20,000 lm[1] 3-Chip DLP™ 4K[2] Projector

Note: Based on publicly available dimensions and weight for 3-Chip DLP™ laser projectors with 16,000 lm brightness and above as of July 2025. Optional lenses sold separately.

Main Features

01 | Compact Form-Factor Streamlines Workflow

With its light, compact body, the RQ25K Series enables resource-efficient handling and workflow. The Intel® SDM standard-compatible SLOT expands connectivity, with optional FMP50 Series media processors[3] streamlining setup for immersive multi-projection. Other labor-saving features, such as NFC function[4] and Remote Preview LITE, further enhance on-site efficiency.

02 | Create an Engaging Visual Experience

Quad Pixel Drive creates smooth 4K[2] images with improved Dynamic Contrast delivering higher white brightness and deeper blacks during high-contrast scenes. Gradation Smoother reduces color banding on the fly, while Panasonic's exclusive black-level adjustment system evolves to support seamless edge-blending on flat or curved screens.

03 | Reliable Operation for Peace of Mind

Dust-resistant optical engine and high-efficiency liquid-cooling system enable maintenance-free projection for 20,000 hours[5]. Multi-Laser Drive Engine and Backup Input[6] enhance reliability and reduce the chance of interruptions. The refined power supply supports projection at up to 15,000 lm[7] on AC 100–120 V power.

PT-RQ25K Series				
	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K
Light Output	20,000 lm[8] / 20,000 lm (ANSI)[9] / 21,000 lm (Center)[10]		16,000 lm[8] / 16,000 lm (ANSI)[9] / 16,800 lm (Center)[10]	
Resolution	4K (3840 x 2400 pixels)[2]	WUXGA (1920 x 1200 pixels)	4K (3840 x 2400 pixels)[2]	WUXGA (1920 x 1200 pixels)

DLP TEXAS INSTRUMENTS · SOLID SHINE LASER · 4K PROFESSIONAL[2] · QUAD PIXEL DRIVE[2] · 4K DIGITAL LINK[11, 12] · ACCEPTS 4K SIGNAL[12] · intel smart display module ready · 360° · Geo.Pro · 24/7 Operation · 3D PROFESSIONAL[13]

1 Refer to specifications individual model brightness. 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 PT-RQ25K/RQ18K only. Maximum physical resolution 3840 x 2400 pixels with Quad Pixel Drive [ON]. 3 Optional ET-FMP50/FMP20 (box type) and ET-SBFMP10 (function board type) media processors are sold separately. 4 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See NFC Regional Compatibility List for details. 5 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. Panasonic Projector & Display Corporation recommends checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. 6 Terminal assignment is fixed. Input signals to primary and backup inputs must be identical. 7 Maximum light output is limited to approximately 15,000 lm. Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts. 8 With ET-D3LES20 Zoom Lens and AC 200–240 V power supply. Value varies depending on the lens. 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 average of all products when shipped. 9 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 10 Average light output value of all shipped products measured at the center of the screen in NORMAL Mode. 11 Only when the optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. 12 Input signals are converted to WUXGA (1920 x 1200) for the PT-RZ24K/RZ17K only. YPBPR 4:2:0 format only for 4K/60p and 4K/50p signals input via DIGITAL LINK. 13 PT-RZ24K/RZ17K only.

Light and Compact 3-Chip DLP™ Performance

RQ25K Series is the smallest and lightest 3-Chip DLP™ 4K[1] projector in its class[2]. Transport and install with a team of two and explore immersive projection possibilities in areas with limited installation space. Miniaturized optical engine and power supply, high-efficiency cooling system, and revised optical unit materials deliver a game-changing design that brings elite 3-Chip DLP™ performance to events of any scale.

Import and Save Your Own Test Patterns

In addition to 10 built-in test patterns, you can import and save up to three of your own custom test-patterns[3] to the projector via USB memory device or network. Save your go-to test patterns or use your client's content to calibrate the projector before the video source is connected, saving time during installation at the event site.

Expand and Scale Connectivity

Intel® SDM standard-compatible SLOT integrates optional proprietary or third-party[4] function boards, making it easy to adapt, scale, and expand connectivity. In addition, the RQ25K Series works with optional FMP50 Series media processors[5] to simplify multi-projection workflows. The processors, which comprise box-type and function board-type for the projector's Intel® SDM standard-compatible SLOT, feature manual and automatic camera-based[6] warping/blending and 4K media playback capabilities.

Supports AC 100–120 V and AC 200–240 V Power[7]

Deliver full brightness on AC 200–240 V and up to 15,000 lm[8] on AC 100–120 V. Users in regions with AC 100–120 V can connect to the consumer grid and start setting up and calibrating the projector without delay as high-voltage power is rolled out on site. Avoid wasted time on unforeseen holdups—this feature keeps your team on schedule as event infrastructure comes together around you.

■ Other Features

- Supports Art-Net DMX, PJLink™, Crestron Connected® V2, and Crestron® XiO Cloud
- Compatible with IPv6[9]
- DICOM Simulation Mode
- Multi-screen Support System
- Multi-Unit Brightness and Color Control
- Waveform Monitor function
- Quick Start and Quick Off
- Power Management System

1 PT-RQ25K/RQ18K only. Maximum physical resolution 3840 x 2400 pixels with Quad Pixel Drive [ON]. 2 Based on publicly available dimensions and weight for 3-Chip DLP™ laser projectors with 16,000 lm brightness and above as of July 2025. 3 Supports PNG and BMP formats with maximum resolution of 3840 x 2400 dots (PT-RQ25K/RQ18K) or 1920 x 1200 dots (PT-RZ24K/RZ17K). 4 Optional function boards sold separately. The operation of third-party devices cannot be guaranteed. 5 ET-FMP50/FMP20 (box type) and ET-SBFMP10 (function board type) media processors are sold separately. 6 Compatible cameras (sold separately) comprise NIKON® D5200/D5300/D5500/D5600/D7500/Z50 and the IDS GV-5890CP-C-HQ. See the global projector website for details on compatible cameras. 7 Japan and the Americas only. 8 Maximum light output is limited to approximately 15,000 lm. Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts. 9 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6.

Specifications

Model			PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K
Projector type			3-Chip DLP™ projector			
DLP™ chip		Panel size	20.3 mm (0.8 in) diagonal (16:10 aspect ratio)			
		Number of pixels	2,304,000 (1920 x 1200 pixels) x 3			
Light source			Laser diode			
Light output[1, 2]			20,000 lm[3] / 20,000 lm (ANSI)[4] / 21,000 lm (Center)[5]		16,000 lm[3] / 16,000 lm (ANSI)[4] / 16,800 lm (Center)[5]	
Time until light output declines to 50 %[6]			20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)			
Resolution			4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)	WUXGA (1920 x 1200 pixels)	4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)	WUXGA (1920 x 1200 pixels)
Contrast ratio[3]			25,000:1 (Full On/Full Off, Dynamic Contrast [3])			
Screen size (diagonal)			1.78–25.40 m (70–1000 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, 5.08–15.24 m (200–600 in) with ET-D3LEU101/D3LEW201			
Center-to-corner zone ratio[3]			90 %			
Lens			Optional (no lens included with this model)			
Lens shift (From the origin point of the lens mounter)		Vertical	±66 % (±52 % with ET-D75LE6/ET-D3LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D3LEU101, ±57 % with ET-D3LEW201) (powered)			
		Horizontal	±24 % (±18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D3LEU101, ±18 % with ET-D3LEW201) (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-D3LEW201, ±8 ° with ET-D3LEU101, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D3LEW50/ET-D75LE6/ET-D3LEW60, ±5 ° with ET-D3LEU101/ET-D3LEW201, 0 ° with ET-D75LE95) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.			
Terminals	HDMI™ 1/2 IN		HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[7])			
	DisplayPort™		DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[7])			
	MULTI PROJECTOR SYNC IN		BNC x 1	—	BNC x 1	—
	MULTI PROJECTOR SYNC OUT		BNC x 1	—	BNC x 1	—
	MULTI PROJECTOR SYNC IN/ 3D SYNC 1 IN/OUT (dual purpose)		—	BNC x 1	—	BNC x 1
	MULTI PROJECTOR SYNC OUT/ 3D SYNC 2 OUT (dual purpose)		—	BNC x 1	—	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 (for wired remote control)			
	REMOTE 2 IN		D-sub 9-pin (female) x 1 for external control (parallel)			
	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 AJ-WM50 Series Wireless Module/USB memory			
	DC OUT		USB Type A x 1 (for power supply, DC 5 V, 2 A)			
	Expansion slot		Open slot for function boards, Intel® SDM standard-compatible			
Power supply			Single-phase AC 100 V–120 V / Single-phase AC 200 V–240 V, 50 Hz/60 Hz (The maximum value of light output is limited to 15,000 lm or less when using the projector with AC 100 V to AC 120 V. Other limitations apply[8].)			
Power consumption[9]	Maximum power consumption		AC 200 V–AC 240 V : 1,490 W (1,520 VA) AC 100 V–AC 120 V : 1,080 W (1,090 VA)	AC 200 V–AC 240 V : 1,470 W (1,520 VA) AC 100 V–AC 120 V : 1,060 W (1,090 VA)	AC 200 V–AC 240 V : 1,190 W (1,220 VA) AC 100 V–AC 120 V : 1,080 W (1,090 VA)	AC 200 V–AC 240 V : 1,170 W (1,220 VA) AC 100 V–AC 120 V : 1,060 W (1,090 VA)
	On-mode power consumption (Operating mode)	[NORMAL]	1,330 W	1,310 W	1,030 W	1,010 W
		[ECO]	1,040 W	1,020 W	820 W	800 W
		[QUIET]	1,030 W	1,010 W	810 W	790 W
Operation noise[3]			46 dB (NORMAL/ECO), 43 dB (QUIET)		43 dB (NORMAL/ECO), 40 dB (QUIET)	
Dimensions (W x H x D)			Approx. 550 x 220 x 570 mm (21 5/8" x 8 11/16" x 22 7/16") (not including protruding parts)			
Weight[10]			Approx. 35 kg (77.2 lbs)			
Operating environment			Operating temperature: 0–45 °C (32–113 °F)[11], operating humidity: 10–80 % (no condensation)			
Applicable software			Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™			

1 This is the value when the Zoom Lens (Model No.: ET-D3LES20) is used with power supply voltage of AC 200 V to AC 240 V. The value varies depending on the lens. 2 When [OPERATING MODE] is set to [NORMAL]. 3 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. 4 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 5 Average light-output value of all shipped products measured at the center of the screen. 6 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. 7 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K. 8 Maximum value of light output is further decreased in the following cases: when a function board is installed in the slot, when the light source is deteriorating from use, or when there is dust on the optical parts. 9 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 10 Average value. May differ depending on the actual unit. 11 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). In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 2,700 m (8,858 ft) and ambient temperature is 30 °C (86 °F); and when the projector is used at altitudes between 2,700 m (8,858 ft) and 4,200 m (13,780 ft) exclusive and ambient temperature is 25 °C (77 °F) or higher.

Optional Accessories

- **Fisheye Lens** ET-D3LEF70
  Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens** ET-D75LE95 / ET-D3LEU101[1] / ET-D3LEW50[1]
  1 Equipped with Auto Lens Identification Function.
- **Zoom Lens**
  ET-D3LEW201[1] / ET-D3LEW300[1] / ET-D3LEW600[1] /ET-D3LEW60[1] / ET-D75LE6 / ET-D3LEW10[1] / ET-D75LE10 / ET-D3LES20[1] / ET-D75LE20 / ET-D3LET30[1] / ET-D75LE30 / ET-D3LET40[1] / ET-D75LE40 / ET-D3LET80[1] / ET-D75LE8
  1 Equipped with Auto Lens Identification Function and Stepping Motor.
- **Ceiling Mount Bracket**
  ET-PKD520H (for high ceilings) / ET-PKD520S (for low ceilings)
  Note: ET-PKD520H/PKD520S is used in combination with ET-PKD521B (sold separately).
- **Attachment for Ceiling Mount Bracket** ET-PKD521B
- **Lens Fixed Attachment**
  ET-PLF10 (For ET-D3LEF70) /
  ET-PLF20 (For ET-D3LEU101 / LEW201)
  Note: This attachment may be required in some installation environments.
- **Stepping Motor Kit** ET-D75MKS10
  Note: Calibration is required each time the lens is mounted.
- **ET-FMP50 Series Media Processors**
  ET-FMP50 / ET-FMP20 / ET-SBFMP10
  Note: For more information, please visit: https://docs.connect.panasonic.com/projector/products/fmp50/.
- **Function Boards**
  12G-SDI Terminal Board (TY-SB01QS) / Wireless Presentation System Receiver Board (TY-SB01WP) / 12G-SDI Optical Function Board (TY-SB01FB)
- **Wireless Module** AJ-WM50 Series
  Note: Availability may vary by country or region. The suffix at the end of the model number is omitted. Operating temperature: 0–40 °C (32–104 °F).
- **NFC Upgrade Kit** ET-NUK10
  Note: Product availability may vary by country or region.
- **Wireless Presentation System PressIT** TY-WPS2 (basic set)
  Note: Visit https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/ for more information.

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For more information about Panasonic projectors, please visit:

Projector Global Website – **https://docs.connect.panasonic.com/projector/**
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All information included here is valid as of July 2025.

RQ25Kseries_G2 Printed in Japan.