Panasonic

MEViX

3-Chip DLP™ Projectors

PT-RQ45K Series

Available from CY2026 Q3

Note: Release date and product availability may vary by country or region.

A New Benchmark in 4K Projection: Introducing the World's Smallest and Lightest 40,000 lm[1] Projector

Note: Based on publicly available dimensions and weights of projectors with a brightness of 36,000 lm or higher, as of May 2025 (according to Panasonic Projector & Display Corporation research).

Note: Optional lenses sold separately.

• Streamlined Logistics for an Efficient Workflow

Delivering 40,000 lm[1] from a body size equivalent to the RQ35K2/RQ35K Series, the RQ45K Series streamlines transport, installation, and setup logistics. Compatibility with existing frames, flight cases, and optional lenses makes upgrading economical. A new 5-inch color LCD monitor simplifies pre-show video checks and real-time status monitoring, while an Intel® SDM standard-compatible expansion slot[2] and 12G-SDI input[3] ensure seamless system integration.

• Enhanced Reliability in Harsh Environments

For lasting reliability in demanding environments, key circuit boards feature a UV coating to inhibit corrosion from fumes and salt, while a new modular board layout dramatically improves maintenance efficiency. Proprietary Dynamic Digital Control and a dedicated cooling system stabilize red laser performance under temperature fluctuations to maintain consistent color output. Multi-Laser Drive Engine and Backup Input help prevent show interruptions even in the event of equipment failure.

• Spectacular 4K Visuals for Mapping Applications

The RQ45K Series' 3-Chip DLP™ architecture, Quad Pixel Drive[4], and multi-laser light source (two blue, one red) deliver richly accurate color with smooth, detailed 4K (3840 x 2400) resolution[4]. Support for frame-rates up to 240 Hz/1080p[5] enables fluid motion reproduction and compatibility with the optional Real-Time Tracking Projection Mapping system[6]. Gradation Smoother removes color banding on the fly, while enhanced Black Level Correction ensures seamless blending on flat or curved screens.

PT-RQ45K Series		
	PT-RQ45K	PT-RZ44K
Light Output	40,000 lm[1] / 40,000 lm (ANSI)[7]	
Resolution	4K (3840 x 2400 pixels)[4]	WUXGA (1920 x 1200 pixels)

Specifications (Tentative)

Model	PT-RQ45K	PT-RZ44K
Projector type	3-Chip DLP™ projector	
DLP™ chip — Panel size	24.4 mm (0.96 in) diagonal (16:10 aspect ratio)	
DLP™ chip — Display method	DLP™ chip x 3, DLP™ projection system	
DLP™ chip — Number of pixels	2,304,000 (1920 x 1200 pixels) x 3	
Light source	Laser diodes (Blue LD, Red LD)	
Light output [1, 2]	40,000 lm[3] / 40,000 lm (ANSI)[4] (TBD)	
Time until light output declines to 50 %[5]	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[3]	25,000:1 (Full On/Full Off, Dynamic Contrast [3]) (TBD)	
Screen size (diagonal)	1.78–25.40 m (70–1000 in) (depending on attached lens)	
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	(TBD)	
Lens shift — Horizontal	(TBD)	
Keystone correction range	(TBD)	
Installation	Ceiling/floor, front/rear, free 360-degree installation	
Terminals — HDMI™ 1/2 IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[6])	
Terminals — 12G/3G/HD SDI IN	BNC x 1	—
Terminals — 3G/HD SDI IN	—	BNC x 1
Terminals — SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
Terminals — MULTI PROJECTOR SYNC IN	BNC x 1	
Terminals — MULTI PROJECTOR SYNC OUT	BNC x 1	
Terminals — 3D SYNC 1 IN/OUT	—	BNC x 1 (MULTI PROJECTOR SYNC IN dual purpose)
Terminals — 3D SYNC 2 OUT	—	BNC x 1 (MULTI PROJECTOR SYNC OUT dual purpose)
Terminals — REMOTE IN	M3 stereo mini-jack x 1 for wired remote control	
Terminals — REMOTE OUT	M3 stereo mini-jack x 1 for link control (for wired remote control)	
Terminals — LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible	
Terminals — USB	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory (dual-use with DC OUT terminal)	
Terminals — DC OUT	USB Type A x 1 (for power supply, DC 5 V, 2 A)	
Terminals — Expansion slot	Open slot for function boards, Intel® SDM standard-compatible	
Protocol versions	IPv4, IPv6[7]	
Power supply	Single-phase AC 100–120 V / Single-phase AC 200–240 V, 50/60 Hz (Light output will decrease when using the projector with AC 100–120 V)	
Maximum power consumption[8]	(TBD)	
On-mode power consumption (Operating mode)[8] — NORMAL	(TBD)	
On-mode power consumption — ECO	(TBD)	
On-mode power consumption — QUIET	(TBD)	
Cabinet materials	Molded plastic	
Operation noise[3]	(TBD)	
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) (TBD)	
Weight[9]	70 kg (155 lbs) or less (TBD)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)[10], operating humidity: 10–80 % (no condensation)	
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Smart Projector Control for iOS/Android™, NFC Upgrade Kit (TBD)	
Control function via LAN	Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)	

1 When the ET-D3LES250 zoom lens is used. 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 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE] is set to [DYNAMIC], [DYNAMIC CONTRAST] is set to [2]). Estimated time until light output declines to 50 % varies depending on environment. 6 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ44K. 7 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 8 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). 9 Average value. May differ depending on the actual unit. 10 Do not install the projector at an altitude of 4,200 m (13,780 ft) or higher above sea level. (Altitude of 4,200 m [13,780 ft] above sea level is the maximum height that the performance of this projector is guaranteed.) Using the projector in a location where the altitude is too high or the ambient temperature is too high may reduce the life of the components or result in malfunctions. Upper limit of the operating environment temperature varies depending on the altitude above sea level. When using the projector at an altitude between 0 m (0 ft) and 1,400 m (4,593 ft) above sea level: 0 °C (32 °F) to 45 °C (113 °F). When using the projector at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft) above sea level: 0 °C (32 °F) to 40 °C (104 °F). Do not use the projector in a location where the ambient temperature exceeds 40 °C (104 °F) regardless of the altitude when the optional AJ-WM50 Series Wireless Module is attached to the projector.

Optional Lenses

Lens Type	Model No.	Throw Ratio[1]
Fixed-Focus Lens	ET-D75LE95	0.364:1
	ET-D3LEU101[2]	0.370:1
	ET-D3LEW50[2]	0.694:1
Zoom Lens	ET-D3LEW201[3]	0.645–0.850:1
	ET-D3LEW300[3]	0.770–0.933:1
	ET-D3LEW60[3]	0.924–1.10:1
	ET-D3LEW600[3]	0.924–1.28:1
	ET-D3LEW10[3]	1.26–1.72:1
	ET-D3LES250[3]	1.67–2.41:1
	ET-D3LES20[3]	1.67–2.41:1
	ET-D3LET30[3]	2.40–4.66:1
	ET-D3LET40[3]	4.61–7.41:1
	ET-D3LET80[3]	7.34–13.8:1
Fisheye Lens	ET-D3LEF70[2]	—

Note: The brightness may be restricted depending on the lens installed.
1 When inputting a 4K or WUXGA signal. 2 Equipped with Auto Lens Identification Function. 3 Supports Auto Lens Identification and stepping motor functions.

Optional Accessories

- **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**
  Media Processor Board (ET-SBFMP10) / 12G-SDI Optical Function Board (TY-SB01FB) / 12G-SDI Terminal Board (TY-SB01QS) / DIGITAL LINK Terminal Board (TY-SB01DL) / Wireless Presentation System Receiver Board (TY-SB01WP)
- **Lens Fixed Attachments**
  ET-PLF10[1]
  ET-PLF20[2]
  1 For the ET-D3LEF70. This attachment may be required in some installation environments. 2 For the ET-D3LEU101/D3LEW201. This attachment is required in some installation environments.

- **Wireless Module**
  AJ-WM50 Series
  Note: Product 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: Product availability may vary by country or region. Visit https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/ for more information.
- **Real-Time Tracking Projection Mapping System**
  ET-SWR10
  Note: PT-RQ45K only. Conditions apply. Availability may vary by country or region. Visit https://docs.connect.panasonic.com/projector/products/swr10 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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X – **https://x.com/Panasonic_PND/**

All information included here is valid as of June 2025.

PT-RQ45K_Series_PRE1 Printed in Japan.