Panasonic

MEVIX

3-Chip DLP™ Projectors

Preliminary as of February 2026

PT-RQ45K Series

Available from CY2026 Q2

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 42,000 lm[1] Projector

Note: Based on publicly available dimensions and weights of projectors with a brightness of 36,000 lm or higher, as of January 2026 (according to Panasonic Projector & Display Corporation research).

Note: Lens not included.

• *Streamlined Logistics for an Efficient Workflow*

Delivering 42,000 lm[1] from a body size equivalent to the RQ35K2 Series, the RQ45K Series streamlines transport, installation, and setup logistics. Compatibility with existing frames, flight cases, and optional lenses[2] 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[3] and 12G-SDI input[4] ensure seamless system integration.

• *Enhanced Reliability in Harsh Environments*

For lasting reliability in demanding environments, key circuit boards feature a 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[5], and multi-laser light source (two blue, one red) deliver richly accurate color with smooth, detailed 4K (3840 x 2400) resolution[5]. Support for frame-rates up to 240 Hz/1080p[6] enables fluid motion reproduction and compatibility with the optional Real-Time Tracking Projection Mapping system[7]. 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	42,000 lm[1] / 42,000 lm (ANSI)[8] / 43,600 lm (Center)[9]	
Resolution	4K (3840 x 2400 pixels)[5]	WUXGA (1920 x 1200 pixels)

Note: Availability of the PT-RZ44K may vary by country or region.

1 With the ET-D3LES250 Zoom Lens (available CY2026 Q2) attached. The value varies depending on the lens. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and notation method all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. 2 Some projection lenses are not supported. 3 Optional proprietary and third-party function boards are sold separately. Panasonic Projector & Display Corporation cannot guarantee the operation of third-party devices. 4 PT-RQ45K only. 5 PT-RQ45K only. Maximum physical resolution 3840 x 2400 pixels with Quad Pixel Drive [ON]. 6 PT-RQ45K only. Supports input signals up to 1080p. The display frame rate corresponds to the input signal frame rate. 7 Optional ET-SWR10 Software Development Kit (SDK) is used with third-party devices (sold separately). Compatibility with third-party devices cannot be guaranteed, and other conditions apply. For more information, please visit the ET-SWR10 webpage. 8 With the ET-D3LES250 Zoom Lens (available CY2026 Q2) attached. The value varies depending on the lens. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 9 Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode. 10 Input signals to the PT-RZ44K are converted to the projector's display resolution upon playback. YPBPR 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. 11 Requires optional TY-SB01DL DIGITAL LINK Terminal Board. 12 PT-RZ44K only.

Specifications (Tentative)

Preliminary as of February 2026

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)	
	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 [1, 2]			42,000 lm[3] / 42,000 lm (ANSI)[4] / 43,600 lm (Center)[5]	
Time until light output declines to 50 %[6]			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])	
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		±55 % (+68 %, +78 % with ET-D75LE95, ±48 % with ET-D3LEW201, ±44 % with ET-D3LEW60/D3LEW300/D3LEW600) (Powered)	
	Horizontal		±20 % (±15 % with ET-D3LEW300/D3LEW600/D3LEW201, ±12 % with ET-D75LE95, 0 %, +25 % with ET-D3LEU101) (Powered)	
Keystone correction range			Vertical: ±45 ° (± 40 ° with ET-D3LEW10/D3LES20/D3LES250, ±28 ° with ET-D3LEW60/D3LEW600, ±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW201/D3LEW300, ±8 ° with ET-D3LEU101, +5 ° with ET-D75LE95); Horizontal: ±40 ° (±15 ° with ET-D3LEW50/D3LEW60/D3LEW600, ±5 ° with ET-D3LEU101/D3LEW201/D3LEW300, 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	HDMI™ 1/2 IN		HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input[7])	
	12G/3G/HD SDI IN		BNC x 1	—
	3G/HD SDI IN		—	BNC x 1
	SERIAL IN		D-sub 9-pin (Female) x 1 for external control (RS-232C compliant)	
	MULTI PROJECTOR SYNC IN		BNC x 1	
	MULTI PROJECTOR SYNC OUT		BNC x 1	
	3D SYNC 1 IN/OUT		—	BNC x 1 (MULTI PROJECTOR SYNC IN dual purpose)
	3D SYNC 2 OUT		—	BNC x 1 (MULTI PROJECTOR SYNC OUT dual purpose)
	REMOTE IN		M3 stereo mini-jack x 1 for wired remote control	
	REMOTE OUT		M3 stereo mini-jack x 1 for link control (For wired remote control)	
	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 (Dual-use with DC OUT terminal)	
	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	
Protocol versions			IPv4, IPv6[8]	
Power supply			Single-phase AC 100–120 V / Single-phase AC 200–240 V, 50/60 Hz (Max. light output limited to 21,000 lm or less when using the projector with AC 100–120 V)	
Maximum power consumption[9]			Approx. 3,170 W	Approx. 3,110 W
On-mode power consumption (Operating mode)[9, 10]		NORMAL	Approx. 2,860 W	Approx. 2,850 W
		ECO	Approx. 2,250 W	Approx. 2,240 W
		QUIET	Approx. 2,010 W	Approx. 2,000 W
Cabinet materials			Molded plastic	
Operation noise[3]			49 dB (NORMAL/ECO), 46 dB (QUIET)	
Dimensions (W x H x D)			Approx. 598 x 352 x 780 mm (23 $^{17}/_{32}$″ x 13 $^{27}/_{32}$″ x 30 $^{23}/_{32}$″) (Not including protruding parts)	
Weight[11]			66 kg (145.5 lbs)	
Operating environment			Operating temperature: 0–45 °C (32–113 °F)[12], operating humidity: 10–80 % (No condensation)	
Applicable software			Visual Software Suite, Multi Monitoring & Control Software, Projector Network Setup Software, Smart Projector Control for iOS/Android™	
Control function via LAN			Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)	

1 Value with ET-D3LES250 Zoom Lens (available CY2026) and a power supply voltage of AC 200–240 V. The value varies depending on the lens. 2 When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] 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 in NORMAL Mode. 6 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. 7 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ44K. 8 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 9 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. 10 On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 11 Average value. May differ depending on the actual unit. 12 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-D3LEW600[3]	0.924–1.28:1
	ET-D3LEW10[3]	1.26–1.72:1
	ET-D3LES250[3, 4]	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]	—

1 When inputting a 4K or WUXGA signal. 2 Equipped with Auto Lens Identification Function. 3 Supports Auto Lens Identification and stepping motor functions. 4 ET-D3LES250 will be available from CY2026 Q2.

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)
- **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.
- **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.

Panasonic

For more information about Panasonic projectors, please visit:

Projector Global Website – **https://docs.connect.panasonic.com/projector/**
Facebook – **www.facebook.com/panasonicprojectoranddisplay**
YouTube – **www.youtube.com/user/PanasonicProjector**
LinkedIn – **https://www.linkedin.com/company/panasonic-projector-and-display/**
X – **https://x.com/Panasonic_PND/**

All information included here is valid as of February 2026.

PT-RQ45K_Series_PRE2 Printed in Japan.