

PT-RQ25K Series 3-Chip DLP™ Projectors

AVAILABLE FROM CY2022 4Q

Note: release date varies depending on country or region.

Deliver More for Less with the World's Smallest and Lightest 20,000 lm¹ 3-Chip DLP™ 4K² Laser Projector

Note: Based on publicly available dimensions and weight for DLP™ laser projectors with 16,000 lm brightness and above as of January 2022. Release date varies depending on country or region.



[Preliminary Specification] PT-RQ25K Series 3-Chip DLP™ Projectors

	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K
Light Output	20,000 lm ¹ / 21,000 lm (Center) ⁶		16,000 lm ¹ / 16,800 lm (Center) ⁶	
Resolution	4K (3840 x 2400 ⁷ pixels)	WUXGA (1920 x 1200 pixels)	4K (3840 x 2400 ⁷ pixels)	WUXGA (1920 x 1200 pixels)

Note: Optional 3-Chip DLP™ lenses⁴ sold separately. Specifications are tentative.

• Compact Form-Factor Streamlines Workflow

PT-RQ25K Series is 40 % smaller and 35 % lighter⁹ than our 20,000-lm PT-RQ22K with a body size similar to our 10,000-lm 1-Chip DLP™ projectors. Intel® SDM-ready slot integrates your preferred terminals with optional proprietary or third-party¹⁰ function boards. Smart Projector Control¹¹ app with NFC function¹², Remote Preview Lite, and preactivated upgrade kits for Geo Pro¹³ simplify installation.

• Create an Engaging Visual Experience

Quad Pixel Drive, our original 2-axis pixel-quadrupling technology, creates smooth 4K² images with vivid 3-Chip DLP™ color and high brightness. A new Dynamic Contrast setting delivers higher white brightness and deep blacks during high-contrast scenes. Gradation Smoother reduces color-banding via remote control, while improved point-based black-level adjustment supports edge-blending over curved screens with pixel-level precision.

• Reliable and Maintenance-free for Peace of Mind

Hermetically sealed optical block is cooled by a high-efficiency liquid-cooling system enabling maintenance-free projection for 20,000 hours¹⁴. Multi-Laser Drive Engine prevents brightness loss in the event of diode failure, while Backup Input¹⁵ switches to a backup signal if the primary signal is interrupted for peace of mind.

1 Please refer to specifications table for brightness value of individual models. 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 with Quad Pixel Drive [ON]. 3 PT-RQ25K/RQ18K only. 4 Only when optional TY-SB01DL DIGITAL LINK Terminal Board (available from CY2022 3Q) is loaded. 5 PT-RZ24K/RZ17K only. 6 Average light-output value of all shipped products measured at center of screen in Normal Mode. 7 Maximum physical resolution with Quad Pixel Drive [ON]. 8 Excluding lenses for the PT-RQ50K projector. 9 Estimated value by cabinet volume and weight (excluding lens) according to Panasonic research. 10 Intel® SDM-specified third-party function boards sold separately. Panasonic cannot guarantee operation of third-party devices. 11 Check device compatibility at the App Store or the Google Play store. 12 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. 13 Geometry Manager Pro software for Windows® and preactivated upgrade kits require projector registration. Visit PASS to register your projector and download free software. 14 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 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. 15 Input signals to primary and backup inputs must be identical.

Specifications (Tentative)

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)						
	Display method		DLP™ chip x 3, DLP™ projection system						
	Number of pixels		2,304,000 (1920 x 1200 pixels) x 3						
Light source		Laser diode							
Light output ^{1,2}		20,000 lm / 21,000 lm (Center) ³			16,000 lm / 16,800 lm (Center) ³				
Time until light output declines to 50 % ⁴		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 ²		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-D33LET80, 3.05–15.24 m (120–600 in) with ET-D75LE95, 5.08–15.24 m (200–600 in) with ET-D33LEU100/D33LEW200							
Center-to-corner zone ratio ²		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-D33LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D33LEU100, ±57 % with ET-D33LEW200) (powered)						
		Horizontal	±24 % (±18 % with ET-D75LE6/ET-D33LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D33LEU100, ±18 % with ET-D33LEW200) (powered)						
Keystone correction range		Vertical: ±45 ° (±40 ° with ET-D75LE10/ET-D33LEW10/ET-D75LE20/ET-D33LE520, ±28 ° with ET-D75LE6/ET-D33LEW60, ±22 ° with ET-D33LEW50, ±15 ° with ET-D33LEW200, ±8 ° with ET-D33LEU100, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D33LEW50/ET-D75LE6/ET-D33LEW60, ±5 ° with ET-D33LEU100/ET-D33LEW200, 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 IN		HDMI x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input ⁵)						
	DisplayPort™		DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input ⁵) (TBD)						
	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, PLink™ (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 compatible						
Power supply		AC 100 V–120 V / 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 ⁶ .)							
Power consumption ⁷	Maximum power consumption		1,200 W (1,210 VA) (TBD)/ 1,540 W (1,550 VA) (TBD)		1,180 W (1,190 VA) (TBD)/ 1,520 W (1,530 VA) (TBD)		1,200 W (1,210 VA) (TBD)/ 1,280 W (1,290 VA) (TBD)		1,180 W (1,190 VA) (TBD)/ 1,260 W (1,270 VA) (TBD)
	On-mode power consumption (Operating mode)	[NORMAL]	1,400 W (TBD)		1,380 W (TBD)		1,130 W (TBD)		1,110 W (TBD)
		[ECO]	1,130 W (TBD)		1,110 W (TBD)		940 W (TBD)		920 W (TBD)
		[QUIET]	1,110 W (TBD)		920 W (TBD)		900 W (TBD)		1,090 W (TBD)
Cabinet materials		Molded plastic							
Operation noise ²		46 dB (NORMAL/ECO) (TBD), 43 dB (QUIET) (TBD)			43 dB (NORMAL/ECO) (TBD), 40 dB (QUIET) (TBD)				
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) (TBD)							
Weight ⁸		Approx. 35 kg (77.2 lbs) (TBD)							
Operating environment		Operating temperature: 0–45 °C (32–113 °F) ⁹ , operating humidity: 10–80 % (no condensation)							
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™							

1 This is the value when the Zoom Lens (Model No.: ET-D33LE520) is used with power supply voltage of AC 200 V to AC 240 V. The value varies depending on the lens. 2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. 3 Average light-output value of all shipped products measured at center of screen in Normal Mode. 4 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. 5 4K signals are converted to WUXGA (1920 x 1200 pixels) only for the PT-RZ24K and PT-RZ17K. 6 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. 7 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). 8 Average value. May differ depending on the actual unit. 9 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).

Optional Accessories

- **Fisheye Lens** ET-D33LEF70
Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens**
ET-D75LE95 (0.437:1) / ET-D33LEU100 (0.447:1)¹ / ET-D33LEW50 (0.838:1)¹
1 Equipped with Auto Lens Identification Function.
- **Zoom Lens**
ET-D33LEW200 (0.779–1.03:1)¹ / ET-D33LEW300 (0.924–1.12:1)² / ET-D33LEW60 (1.11–1.32:1)¹ / ET-D75LE6 (1.11–1.32:1) / ET-D33LEW10 (1.52–2.07:1)¹ / ET-D75LE10 (1.56–2.01:1) / ET-D33LE20 (2.00–2.90:1)¹ / ET-D75LE20 (2.00–2.90:1) / ET-D33LE30 (2.88–5.61:1)¹ / ET-D75LE30 (2.89–5.61:1) / ET-D33LE40 (5.54–8.90:1)¹ / ET-D75LE40 (5.55–8.86:1) / ET-D33LE80 (8.83–16.6:1)¹ / ET-D75LE8 (8.83–16.6:1)
1 Equipped with Auto Lens Identification Function and Stepping Motor.
2 ET-D33LEW300 will be available from CY2023 2Q.
- **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
Note: ET-PKD521B will be available from CY2023 3Q.
- **Lens Fixed Attachment**
ET-PLF10 (For ET-D33LEF70) / ET-PLF20 (For ET-D33LEU100/LEW200)
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.
- **DIGITAL LINK Switcher / Digital Interface Box**
ET-YFB200G / ET-YFB100G
Note: Requires TY-SB01DL DIGITAL LINK Terminal Board LINK (available from CY2022 3Q). ET-YFB200G/ET-YFB100G not compatible with 4K signals.
- **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).
- **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.
- **Wireless Presentation System PressIT**
TY-WPS1 (basic set)
Visit <https://panasonic.net/cns/prodisplays/pressit> for more information.
- **Function Boards**
12G-SDI Terminal Board
TY-SB01QS
Wireless Presentation System Receiver Board
TY-SB01WP
DIGITAL LINK Terminal Board
TY-SB01DL
Note: Available from CY2022 3Q.

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Projector Global Website – <https://panasonic.net/cns/projector/>
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YouTube – www.youtube.com/user/PanasonicProjector

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.

All information included here is valid as of August 2022.

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