PRELIMINARY
AS OF AUGUST 2022

Panasonic CONNECT

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 lm[1] 3-Chip DLP™ 4K[2] 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™ lenses[8] sold separately. Specifications are tentative.

• Compact Form-Factor Streamlines Workflow

PT-RQ25K Series is 40 % smaller and 35 % lighter[9] 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-party[10] function boards. Smart Projector Control[11] app with NFC function[12], Remote Preview Lite, and preactivated upgrade kits for Geo Pro[13] simplify installation.

• Create an Engaging Visual Experience

Quad Pixel Drive, our original 2-axis pixel-quadrupling technology, creates smooth 4K[2] 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 hours[14]. Multi-Laser Drive Engine prevents brightness loss in the event of diode failure, while Backup Input[15] 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-D3LET80, 3.05–15.24 m (120–600 in) with ET-D75LE95, 5.08–15.24 m (200–600 in) with ET-D3LEU100/D3LEW200			
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-D3LEW60, +71 % / +93 % with ET-D75LE95, ±66 % with ET-D3LEU100, ±57 % with ET-D3LEW200) (powered)			
		Horizontal	±24 % (±18 % with ET-D75LE6/ET-D3LEW60, ±14 % with ET-D75LE95, -25 % / +30 % with ET-D3LEU100, ±18 % with ET-D3LEW200) (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-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with 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	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, 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 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-D3LES20) 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-D3LEF70
  Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens**
  ET-D75LE95 (0.437:1) / ET-D3LEU100 (0.447:1)[1] / ET-D3LEW50 (0.838:1)[1]
  1 Equipped with Auto Lens Identification Function.
- **Zoom Lens**
  ET-D3LEW200 (0.779–1.03:1)[1] / ET-D3LEW300 (0.924–1.12:1)[2] / ET-D3LEW60 (1.11–1.32:1)[1] / ET-D75LE6 (1.11–1.32:1) / ET-D3LEW10 (1.52–2.07:1)[1] / ET-D75LE10 (1.56–2.01:1) / ET-D3LES20(2.00–2.90:1)[1] / ET-D75LE20 (2.00–2.90:1) / ET-D3LET30 (2.88–5.61:1)[1] / ET-D75LE30 (2.89–5.61:1) / ET-D3LET40 (5.54–8.90:1)[1] / ET-D75LE40 (5.55–8.86:1) / ET-D3LET80 (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-D3LEW300 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 CY2022 3Q.
- **Lens Fixed Attachment**
  ET-PLF10 (For ET-D3LEF70) / ET-PLF20 (For ET-D3LEU100/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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