

PT-RCQ10 Series

1-Chip DLP™ Projectors

AVAILABLE FROM NOVEMBER 2019

Detailed, Color-Rich Images and Seamless Integration Help You Create Immersive Environments



Black Models



White Models



PT-RCQ10 Series				
	PT-RCQ10	PT-RCQ10L	PT-RCQ80	PT-RCQ80L
Light Output	10,000 lm*1		8,000 lm*1	
Resolution	4,608,000 pixels / 2715 x 1697 dots (With Smooth Pixel Drive: ON)			
Lens	With supplied lens	Without lens	With supplied lens	Without lens

* Smooth Pixel Drive is a technology that shifts the pixel diagonally by 0.5 pixels to create a 2715 x 1697 high-resolution image.

• Detailed Images Rich in Natural Colors

Newly developed Rich Color Harmonizer achieves deeper, more vibrant color expression. Combined with Smooth Pixel Drive, a technology that creates crisp yet smooth images using 1-axis wobbling, you can enjoy colorful and highly detailed images beyond the panel resolution.

• Seamless Integration with SLOT NX and Full Lens Lineup

With technologies to support 4K playback, including 4K signal input via HDMI®, DIGITAL LINK, and optional SLOT NX interface boards, the seamless integration of 4K content is greatly simplified. Compatibility with our 1-Chip DLP™ lenses, including the ET-DLE020 Ultra-Short-Throw Zoom Lens, further enhances application flexibility.

• Excellent Reliability in Tough Conditions

Further improvements to Panasonic's unique SOLID SHINE Laser cooling system achieve 20,000 hours*2 of maintenance-free operation, all from the same compact body-size as our 1-Chip DLP™ WUXGA laser models.

Specifications (Tentative)

Model	With supplied lens	PT-RCQ10	PT-RCQ80
	Without lens	PT-RCQ10L	PT-RCQ80L
Projector type		1-Chip DLP™ projector	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal, 16:10 aspect ratio	
	Display method	DLP™ chip x 1, DLP™ projection system	
	Number of pixels	2,304,000 (1920 × 1200) pixels	
Light source		Laser diodes	
Light output*1		10,000 lm	8,000 lm
Time until light output declines to 50 %*2		20,000 hours (NORMAL) / 24,000 hours (ECO)	
Resolution		4,608,000 pixels / 2715 x 1697 dots * With Smooth Pixel Drive: ON.	
Contrast ratio*1		10,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)	
Screen size [diagonal]		1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055, 2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020, 16:10 aspect ratio	
Center-to-corner zone ratio*1		90 %	
Lens		PT-RCQ10: Powered zoom (throw ratio 1.71-2.41:1), F 1.7–1.9, f 25.6–35.7 mm PT-RCQ10L: Optional powered zoom/focus lenses	PT-RCQ80: Powered zoom (throw ratio 1.71-2.41:1), F 1.7–1.9, f 25.6–35.7 mm PT-RCQ80L: Optional powered zoom/focus lenses
Lens shift*3	Vertical (from center of screen)	+50 %, -16 % (+40 %), -16 % with ET-DLE060 (powered)	
	Horizontal (from center of screen)	+30 %, -10 % (+10 %), -20 % with ET-DLE020, +19 %, -10 % with ET-DLE060, +28 %, -10 % with ET-DLE105/ET-DLE085 (powered)	
Keystone correction range	Vertical	±40° (±5° with ET-DLE020, ±16° with ET-DLE060, ±22° with ET-DLE105/ET-DLE085/ET-DLE055, +5° with ET-DLE035), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035/ET-DLE020)	
	Horizontal	Vertical: ±45° (±16° with ET-DLE060, ±40° with ET-DLE150/ET-DLE250/ET-DLE170, ±22° with ET-DLE105/ET-DLE085/ET-DLE055), Horizontal: ±40° (±10° with ET-DLE060, ±15° with ET-DLE105/ET-DLE085/ET-DLE055). 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	SDI IN	BNC x 1: 3G/HD-SDI input	
	HDMI IN	HDMI 19-pin x 1 (Deep Color, compatible with HDCP 2.2, 4K/60p signal input**)	
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	
	MULTI PROJECTOR SYNC IN	BNC x 1	
	MULTI PROJECTOR SYNC OUT	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	
	REMOTE 1 IN	M3 x 1 for wired remote control	
	REMOTE 1 OUT	M3 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, 10Base-T/100Base-TX, compliant with PLink™ (Class 2), Art-Net	
	DIGITAL LINK	RJ-45 x 1 for network, DIGITAL LINK connection (HDBASET™ compliant), 100Base-TX, compatible with Art-Net, PLink™ (Class 2), Deep Color, HDCP 2.2, 4K/60p signal input*4	
	USB	USB Connector (Type A) x 1 for Cloning/Wireless Module (output 5 V/500 mA)	
	Expansion Slot	SLOT for interface boards, SLOT NX compatible	
	Power supply		AC 100–240 V, 50/60 Hz
Power consumption		1,100 W	880 W
Cabinet materials		Molded plastic	
Operation noise*1		43 dB (Normal)/40 dB (Quiet 1)/38 dB (Quiet 2)	40 dB (Normal)/38 dB (Quiet 1)
Dimensions (W × H × D)		PT-RCQ10: 498 x 200*5 x 581 mm (19 19/32" x 7 7/8" *5 x 22 7/8") (with supplied lens) PT-RCQ10L: 498 x 200*5 x 538 mm (19 19/32" x 7 7/8" *5 x 21 3/16") (without lens)	PT-RCQ80: 498 x 200*5 x 581 mm (19 19/32" x 7 7/8" *5 x 22 7/8") (with supplied lens) PT-RCQ80L: 498 x 200*5 x 538 mm (19 19/32" x 7 7/8" *5 x 21 3/16") (without lens)
		PT-RCQ10: 24.2 kg (53.4 lbs) (with supplied lens) PT-RCQ10L: 23.4 kg (51.6 lbs) (without lens)	PT-RCQ80: 24.2 kg (53.4 lbs) (with supplied lens) PT-RCQ80L: 23.4 kg (51.6 lbs) (without lens)
Operating environment		Operating temperature: 0–45 °C (32–113 °F)*5, operating humidity: 10–80 % (no condensation)	
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™	

*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [ON], 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 declines to 50 % varies depending on environment. *3 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *4 4K input signal is converted to 2715 x 1697 dots. *5 With legs at shortest position. *6 Average value. May differ depending on the actual unit. *7 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector.

Optional Accessories

- Fixed-Focus Lens**
ET-DLE035 (0.380:1) / ET-DLE055 (0.785:1)
- Zoom Lens**
ET-DLE020* (0.280-0.299:1) / ET-DLE060 (0.600-0.801:1) /
ET-DLE085 (0.782-0.977:1) / ET-DLE105 (0.978-1.32:1) /
ET-DLE150 (1.30-1.89:1) / ET-DLE170** (1.71-2.41:1) /
ET-DLE250 (2.27-3.62:1) / ET-DLE350 (3.58-5.45:1) /
ET-DLE450 (5.36-8.58:1)
* Available from October 2019.
** US/Europe only. ET-DLE170 is equivalent of supplied lens.
Note: With WUXGA resolution. Value depends on resolution.
- Ceiling Mount Bracket**
ET-PKD130H (6-axis, for high ceiling)
ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)
- Projector Mount Bracket**
ET-PKD130B
- Interface Board for 12G-SDI Input**
ET-MDN12G10
- Interface Board for HDMI® (HDCP 2.2) Input**
ET-MDNHM10
- Interface Board for DVI Input**
ET-MDNDV10
- Interface Board for DisplayPort™**
ET-MDNDP10
- Wireless Module**
AJ-WM50
Note: Product availability may vary by country or region. The suffix at the end of the model number is omitted.
- DIGITAL LINK Switcher**
ET-YFB200G
Note: ET-YFB200G is not compatible with 4K signals.
- Digital Interface Box**
ET-YFB100G
Note: ET-YFB100G is not compatible with 4K signals.
- Geometry Manager Pro Software Upgrade Kit**
ET-UK20
- Auto Screen Adjustment Upgrade Kit**
ET-CUK10/ET-CUK10P
- Early Warning Software**
ET-SWA100 Series
Note: Part number suffix may differ depending on the license type.
* Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website:
<https://panasonic.net/cns/projector/download/application/>

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