



Create Immersive Environments with Color-Rich Images from Our Most Adaptable 1-Chip DLP™ Laser Projector Yet

■ Main Features

01 | Detailed Images Rich in Natural Color

Rich Color Harmonizer achieves vibrant color reproduction while Smooth Pixel Drive 1-axis pixel-wobbling expresses fine detail beyond the panel resolution.

02 | Seamless Integration

Supports 4K playback*¹, optional SLOT NX interface boards, and Smart Projector Control app*² with NFC function*³ for settings access on standby and auto-focus via smartphone camera*⁴.

03 | Excellent 24/7 Reliability

Dual-drive SOLID SHINE Laser has a refined cooling system that contributes to 20,000 hours*⁵ of maintenance-free operation.



Black Models



White Models

PT-RCQ10 Series

	PT-RCQ10	PT-RCQ10L	PT-RCQ80	PT-RCQ80L
Light Output	10,000 lm* ⁶ / 10,500 lm (Center)* ⁷		8,000 lm* ⁶ / 8,400 lm (Center)* ⁷	
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.

¹ With Smooth Pixel Drive: ON. 4K signals are resized to 2715 x 1697 pixels upon projection. ² Check device and OS compatibility at the App Store or the Google Play store. For more information, please visit <https://panasonic.net/cns/projector/download/application/smartpj/>. ³ 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 at <https://panasonic.net/cns/projector/products/smartpjcontrol/regional.html> for details. ⁴ Some devices do not support projector autofocus function. ⁵ At this time, light output will have decreased by approximately 50%. IEC62087:2008 Broadcast Contents, NORMAL Mode, [Dynamic Contrast] set to [3], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of particulate matter. Value will vary depending on environment and usage conditions. Parts other than the light source may require replacement in a shorter period. Panasonic recommends checkup at point of purchase after about 20,000 hours. ⁶ Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2012 international standards. Value is average of all products when shipped. ⁷ Average light-output value of all shipped products measured at center of screen in NORMAL Mode.

Rich Color Harmonizer

Rich Color Harmonizer features a new color-filter design and original image processing technology to achieve deeper, brighter reds. Accurate white-balance contributes to vibrant colors and natural skin-tone reproduction.

Smart Projector Control App

Smart Projector Control app*1 with NFC Function*2 lets you perform certain setting adjustments with the projector off, and supports projector auto-focus via smartphone camera*3.

*1 Check device and OS compatibility at the App Store or the Google Play store. For more information, please visit <https://panasonic.net/cns/projector/download/application/smartpj/>. *2 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See <https://panasonic.net/cns/projector/products/smartpjcontrol/regional.html> for details. *3 Some mobile devices do not support projector auto-focus function. *4 Multi Monitoring & Control Software for Windows® is available free from <https://panasonic.net/cns/projector/download/application/>.

Specifications

Model	With supplied lens	PT-RCQ10	PT-RC080
	Without lens	PT-RCQ10L	PT-RC080L
Projector type		1-Chip DLP™ projector	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal, 16:10 aspect ratio	
	Number of pixels	2,304,000 (1920 × 1200) pixels	
Light source		Laser diodes	
Light output		10,000 lm*1 / 10,500 lm (Center)*2	8,000 lm*1 / 8,400 lm (Center)*2
Time until light output declines to 50 %*3		20,000 hours (NORMAL) / 24,000 hours (ECO)	
Resolution		4,608,000 pixels / 2715 × 1697 dots * With Smooth Pixel Drive: ON.	
Contrast ratio*4		10,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]	
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), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RCQ10L: Optional powered zoom/focus lenses	PT-RC080: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mm PT-RC080L: Optional powered zoom/focus lenses
Lens shift*4	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)	
Keystone correction range with optional ET-UK20 Upgrade Kit		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°.	
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*5)	
	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 PJLink™ (Class 2), Art-Net	
	DIGITAL LINK	RJ-45 x 1 for network, DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PJLink™ (Class 2), Deep Color, HDCP 2.2, 4K/60p signal input*5	
	USB	USB Connector (Type A) x 1 for Cloning/Wireless Module (output 5 V/500 mA)	
	Expansion Slot	Open slot for SLOT NX compatible interface board	
Power supply		AC 100–240 V, 50/60 Hz	
Power consumption		1,100 W	880 W
Operation noise*1		43 dB (Normal)/40 dB (Quiet 1)/38 dB (Quiet 2)	40 dB (Normal)/38 dB (Quiet)
Dimensions (W x H x D)		PT-RCQ10: 498 x 200*6 x 561 mm (19 19/32 x 7 7/8*6 x 22 1/8") (with supplied lens) PT-RCQ10L: 498 x 200*6 x 538 mm (19 19/32 x 7 7/8*6 x 21 3/16") (without lens)	PT-RC080: 498 x 200*6 x 561 mm (19 19/32 x 7 7/8*6 x 22 1/8") (with supplied lens) PT-RC080L: 498 x 200*6 x 538 mm (19 19/32 x 7 7/8*6 x 21 3/16") (without lens)
Weight*7		PT-RCQ10: Approx. 24.2 kg (53.4 lbs) (with supplied lens) PT-RCQ10L: Approx. 23.4 kg (51.6 lbs) (without lens)	PT-RC080: Approx. 24.2 kg (53.4 lbs) (with supplied lens) PT-RC080L: Approx. 23.4 kg (51.6 lbs) (without lens)
Operating environment		Operating temperature: 0–45 °C (32–113 °F)*8, operating humidity: 10–80 % (no condensation)	
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), 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 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, [Dynamic Contrast] set to [3], under conditions with 30 °C (86 °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. *4 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *5 4K input signals are resized to 2715 × 1697 pixels upon projection. (With Smooth Pixel Drive: ON) *6 With legs at shortest position. *7 Average value. May differ depending on the actual unit. *8 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. *9 When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F).

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)
* 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)
Note: ET-PKD130H/PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).
- **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-MDNV10
- **Interface Board for DisplayPort™**
ET-MDNDP10
- **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).
- **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/>
- **NFC Upgrade Kit**
ET-NUK10
Note: Product availability may vary by country or region.

Panasonic CONNECT



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Projector Global Website – <https://panasonic.net/cns/projector/>
Facebook – www.facebook.com/panasonicprojectoranddisplay
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 April 2022.

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