



Laser 1-chip DLP, 10000 lumens, 4K smooth pixel drive, Solid Shine Laser, up to 20000 hours maintenance-free

## **PT-RCQ10**

Compact projector designed for long-lasting stable brightness in events and staging

### **Key Features**

Laser 1-Chip DLP, 10,000 lumens (ANSI), WUXGA, 4K Ready\* laser projector

Rich Colour Harmonizer technology for improved and more accurate colour reproduction

Accepts 4K signal input

Projects a 2175x1697 high-resolution image by using pixel shift technology

Maintenance-free up to 20,000 hours maintenance-free operation with dust-resistant optical block and long lasting laser engine





## PT-RCQ10

<https://eu.connect.panasonic.com/hu/en/products/projectors/pt-rcq10>

<b>Projector type</b>	1-Chip DLP™ projector
<b>DLP™ Chip   Panel Size</b>	17.0 mm (0.67 in) diagonal, 16:10 aspect ratio
<b>DLP™ Chip   Display Method</b>	DLP™ chip x 1, DLP™ projection system
<b>DLP™ chip   Number of Pixels</b>	2,304,000 (1920 × 1200) pixels
<b>Light Source</b>	Laser diodes
<b>Light output</b>	10,000 lm*1 / 10,500 lm (Center)*2
<b>Time until light output declines to 50 %*3</b>	20,000 hours (NORMAL) / 24,000 hours (ECO)
<b>Resolution</b>	4,608,000 pixels / 2715 x 1697 dots * With Smooth Pixel Drive: ON.
<b>Contrast Ratio*1</b>	10,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]
<b>Screen size [diagonal] (mm)</b>	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, 16:10 aspect ratio
<b>Screen size [diagonal] (inch)</b>	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
<b>Center-to-corner zone ratio*1</b>	90 %
<b>Lens</b>	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
<b>Lens shift*4   Vertical (from center of screen)</b>	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)
<b>Lens shift*4   Horizontal (from center of screen)</b>	+30 %, -10 % (+10 %, -20 % with ET-DLE020, +19 %, -10 % with ET-DLE060, +28 %, -10 % with ET-DLE105/ET-DLE085) (powered)
<b>Keystone Correction Range</b>	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)
<b>Keystone correction range with optional ET-UK20</b>	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°.
<b>Upgrade Kit</b>	
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals   SDI In</b>	BNC x 1: 3G/HD-SDI input
<b>Terminals   HDMI In</b>	HDMI 19-pin x 1 (Deep Color, compatible with HDCP 2.2, 4K/60p signal input*5 )
<b>Terminals   DVI-D In</b>	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
<b>Terminals   Multi Projector Sync In</b>	BNC x 1
<b>Terminals   Multi</b>	BNC x 1

**Projector  
Sync Out**

**Terminals | Serial In** D-sub 9-pin (female) x 1 for external control (RS-232C compliant)

**Terminals | Serial Out** D-sub 9-pin (male) x 1 for link control

**Terminals | REMOTE 1 IN** M3 x 1 for wired remote control

**Terminals | REMOTE 1 OUT** M3 x 1 for link control (for wired remote control)

**Terminals | Remote 2 In** D-sub 9-pin (female) x 1 for external control (parallel)

**Terminals | LAN** RJ-45 x 1 for network connection, 10Base-T/100Base-TX, compliant with PJLink™ (Class 2), Art-Net

**Terminals | 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

**Terminals | USB** USB Connector (Type A) x 1 for Cloning/Wireless Module (output 5 V/500 mA)

**Terminals | Expansion Slot** Open slot for SLOT NX compatible interface board

**Power Supply** AC 100-240 V, 50/60 Hz

**Power Consumption** 1,100 W

**Cabinet Materials** Molded plastic

**Operation noise\*1** 43 dB (Normal)/40 dB (Quiet 1)/38 dB (Quiet 2)

**Dimensions (W x H x D)** PT-RCQ10: 498 x 200\*6 x 581 mm (19 19/32" x 7 7/8" \*6 x 22 7/8" ) (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)

**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)

**Operating Environment** Operating temperature: 0–45 °C (32–113 °F)\*8 \*9 , 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™

**Note** \*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/m<sup>3</sup> 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 x 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 wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F).