



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/fi/en/products/projectors/pt-rcq10>

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| Projector type | 1-Chip DLP™ projector |
| DLP™ Chip Panel Size | 17.0 mm (0.67 in) diagonal, 16:10 aspect ratio |
| DLP™ Chip Display Method | DLP™ chip x 1, DLP™ projection system |
| DLP™ chip Number of Pixels | 2,304,000 (1920 × 1200) pixels |
| Light Source | Laser diodes |
| Light output | 10,000 lm*1 / 10,500 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 x 1697 dots * With Smooth Pixel Drive: ON. |
| Contrast Ratio*1 | 10,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3] |
| Screen size [diagonal] (mm) | 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 |
| Screen size [diagonal] (inch) | 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 |
| Lens shift*4 Vertical (from center of screen) | +50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered) |
| Lens shift*4 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 | 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°. |
| Upgrade Kit | |
| Installation | Ceiling/floor, front/rear, free 360-degree installation |
| Terminals SDI In | BNC x 1: 3G/HD-SDI input |
| Terminals HDMI In | HDMI 19-pin x 1 (Deep Color, compatible with HDCP 2.2, 4K/60p signal input*5) |
| Terminals DVI-D In | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) |
| Terminals Multi Projector Sync In | BNC x 1 |
| Terminals Multi | 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/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 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).