



Laser 1-chip DLP, 8000 lumens, 4K smooth pixel drive, Solid Shine Laser, up to 20000 hours maintenance-free

PT-RCQ80

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

Key Features

Laser 1-Chip DLP, 8,000 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-RCQ80

<https://eu.connect.panasonic.com/gb/en/products/projectors/pt-rcq80>

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, 4,608,000 (2,304,000 x 2) pixels when 4K Smooth Pixel Drive set to ON
Light Source	Laser diodes
Light output	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	4K-equivalent (4K Smooth Pixel Drive: ON)
Contrast Ratio*1	10,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)
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, 16:10 aspect ratio
Center-to-corner zone ratio*1	90 %
Lens	Optional 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° (±16° with ET-DLE060, ±22° with ET-DLE105/ET-DLE085/DLE055, +5° with ET-DLE035), Horizontal: ±15° (±10° with ET-DLE060) (cannot be operated with ET-DLE035)
Keystone correction range with optional ET-UK20 Upgrade Kit	Vertical: ±45° (±16° with ET-DLE060, ±40° with ET-DLE150/DLE250/ET-DLE170, ±22° with ET-DLE105/ET-DLE085/DLE055), Horizontal: ±40° (±10° with ET-DLE060, ±15° with ET-DLE105/ET-DLE085/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
Terminals HDMI In	HDMI 19-pin x 1 (Deep Color, compatible with HDCP 2.2)
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 Projector Sync Out	BNC x 1
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 (HDBase™ 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	SLOT for interface boards, SLOT NX compatible
Power Supply	AC 100-240 V, 50/60 Hz
Power Consumption	TBD
Cabinet Materials	Molded plastic
Operation noise*1	TBD
Dimensions (W x H x D)	PT-RCQ80: 498 x 200*6 x 581 mm (19 19/32 x 7 7/8" *6 x 22 7/8") (with supplied lens) PT-RCQ80L: 498 x 200*6 x 538 mm (19 19/32" x 7 7/8" *6 x 21 3/16") (without lens)
Weight*7	PT-RCQ80: Approx. 24.2 kg (53.4 lbs) (with supplied lens) PT-RCQ80L: Approx. 23.4 kg (51.6 lbs) (without lens)
Operating Environment	Operating temperature: 0-45 °C (32-113 °F)*6, operating humidity: 10-80 % (no condensation)
Applicable Software	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro, 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 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcastcontents, 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 With legs at shortest position. *5 Average value. May differ depending on the actual unit. *6 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.