

# Compact 1-Chip DLP™ Laser Projector Creates Realistic, Color-Rich 4K Environments at 10,000 lm\*<sup>1</sup>



\* Resolution 3840 x 2400 Pixels  
(4K Smooth Pixel Drive: ON)

	PT-RQ100
Light Output	10,000 lm* <sup>1</sup>
Resolution	4K (3840 x 2400)*

\* With 4K Smooth Pixel Drive ON.

## • Richly Detailed 4K Images

4K Smooth Pixel Drive expands pixels diagonally to achieve on-screen resolution of 3840 x 2400 (UHD, 16:10), while New Pure Color Harmonizer heightens color-reproduction impact for vivid, natural expression

## • Excellent Reliability in Tough Conditions

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

## • Seamless Compatibility with 4K Projection Infrastructure

Supports optional SLOT NX interface boards and 4K signal input. SLOT NX interface boards offer various terminal types for unique applications and also suit Panasonic 3-Chip DLP™ models, streamlining multi-projector integration

## • Quick and Easy Installation

Geometric Adjustment simplifies image alignment on curved screens, 3D objects, and flat surfaces via remote control. PC-free setup reduces labor with expedited calibration after projector installation. Optional ET-CUK10 is available for fast automatic camera calibration, streamlining multi-projector installation

## Specifications (Tentative)

Model	PT-RQ100	
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, 4,608,000 (2,304,000 x 2) pixels when 4K Smooth Pixel Drive set to ON
Light source	Laser diodes	
Light output*1	10,000 lm	
Time until light output declines to 50 %*2	20,000 hours (NORMAL) / 24,000 hours (ECO)	
Resolution	4K (3840 x 2400 pixels) (4K Smooth Pixel Drive: ON)	
Contrast*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, 16:10 aspect ratio	
Center-to-corner uniformity*1	90 %	
Lens	Powered zoom (throw ratio 1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mm	
Lens shift*3	Vertical (from center of screen)	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)
	Horizontal (from center of screen)	+30 %, -10 % (+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/supplied lens, ±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 total of 55°.	
Installation	Ceiling/floor, front/rear, free 360-degree installation	
Terminals	SDI IN	BNC x 1: 3G/HD/SD-SDI input
	HDMI IN	HDMI 19-pin x 1 (Deep Color, compatible with HDCP 2.2)
	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/LAN	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
	DC OUT	TBD
	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 × H × D)	498 x 200** x 581 mm (19 19/32" x 7 7/8" x 22 7/8") (with supplied lens)	
	498 x 200** x 538 mm (19 19/32" x 7 7/8" x 21 3/16") (without lens)	
Weight*5	TBD	
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™	

\*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/m<sup>3</sup> 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 (13,760 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\* (0.28-0.30:1) / 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 September 2019.  
\*\* The ET-DLE170 is equivalent of supplied standard lens. The availability of the ET-DLE170 varies depending on the country. Please contact your sales representative for more information.  
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-MDNV10
- **Interface Board for 3G-SDI Input**  
TY-TBN03G
- **Interface Board for DisplayPort™**  
ET-MDNDP10\*  
\* Available from April 2019.
- **Geometry Manager Pro Software Upgrade Kit**  
ET-UK20
- **Auto Screen Adjustment Upgrade Kit**  
ET-CUK10/ET-CUK10P
- **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.
- **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/>