

# Reinvent Your Business with the World's First\*<sup>1</sup> 50,000 lm<sup>\*2</sup> Laser Projector with Native 4K Resolution



\* Resolution 4096 x 2160 Pixels



	PT-RQ50K
Light Output	50,000 lm <sup>*2</sup>
Resolution	4K (4096 x 2160)

## • **Awesomely Bright Native 4K Images for Absolute Immersion**

Achieves Native 4K Resolution at 50,000 lumens<sup>\*2</sup> with new red laser enhancing blue laser technology in an optimized dual SOLID SHINE laser-phosphor drive system for vibrant, pure, and emotionally powerful color reproduction

## • **Swift Setup with Single-Body Design**

Produces 50,000 lm<sup>\*2</sup> from the same footprint as Panasonic's 30,000-lm-class 3-Chip DLP™ laser models. Compact all-in-one body brings significant workflow advantages with simplified transport and installation, and swift setup and adjustment

## • **Reliable Operation for Mission-Critical Applications**

Dualized design features dual solid-state laser-phosphor drives, dual power supplies, redundancy circuits for laser modules, and backup video inputs. Hermetically sealed optics and filter-less design, meanwhile, contribute to 20,000 hours<sup>\*3</sup> maintenance-free projection in severe conditions

## Specifications (Tentative)

Model	PT-RQ50K	
Projector type	3-Chip DLP™ projector	
DLP™ chip	Panel size	35.1 mm (1.38 in) diagonal (17:9 aspect ratio)
	Display method	DLP™ chip x 3, DLP™ projection system
	Number of pixels	8,847,360 (4096 x 2160) pixels x 3, total of 26,542,080 pixels
Light source	Laser diodes (Blue LD, Red LD)	
Light output*1	50,000 lm	
Time until light output declines to 50 %*2	20,000 hours (NORMAL) / 24,000 hours (ECO)	
Resolution	4K (DCI) (4096 x 2160 pixels)	
Contrast*1	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)	
Screen size [diagonal]	2.54–25.4 m (100–1,000 in) with new optional lens for PT-RQ50K, 17:9 aspect ratio (depending on lens)	
Center-to-corner uniformity*1	TBD	
Lens	New optional lenses for PT-RQ50K (no lens included with this model)	
Lens shift	Vertical (from center of screen)	TBD
	Horizontal (from center of screen)	TBD
Keystone correction range	TBD	
Keystone correction range with optional ET-UK20 Upgrade Kit	TBD	
Installation	Horizontal/vertical, free 360-degree installation	
Terminals	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
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
	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
	LAN	RJ-45 x 1 for network, 100Base-TX, compatible with Art-Net, PJLink™ (Class 2)
	DC OUT	USB Type A x 2 (for power supply, DC 5 V, total of 2 A)
	Expansion Slot 1	Interface Board for 12G-SDI (ET-MDN12G10) supplied
	Expansion Slot 2	Optional interface boards, SLOT NX compatible
	Power supply	AC 200–240 V, 35.8 A, 50/60 Hz; AC 100–120 V, 9.8 A, 50/60 Hz (Brightness restricted with voltage lower than 200 V)
Power consumption	TBD	
Cabinet materials	Metal (Partly Plastic Mold)	
Operation noise*1	TBD	
Dimensions (W x H x D)	TBD	
Weight*3	TBD	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*4, 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 [3], 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 Average value. May differ depending on the actual unit. \*4 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.

## Optional Accessories

- **Zoom lens**  
ET-D3QW300 (1.1-1.7:1)  
ET-D3QS400 (1.6-2.1:1)  
ET-D3QT500 (2.1-3.4:1)  
ET-D3QT600 (3.0-3.9:1)  
ET-D3QT700 (3.9-5.4:1)  
ET-D3QT800 (5.4-7.7:1)
- **Interface Board for 12G-SDI Input**  
ET-MDN12G10
- **Interface Board for HDMI® (HDCP 2.2) Input (Input x 2)**  
ET-MDNHM10
- **Interface Board for DVI Input**  
ET-MDNVD10
- **Interface Board for 3G-SDI Input**  
TY-TBN03G
- **Interface Board for DisplayPort™**  
ET-MDNPD10\*  
*\* 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/>*