Panasonic
BUSINESS

PRELIMINARY
AS OF JUNE 2019

# PT-RQ50K

**3-Chip DLP™ Projector**

AVAILABLE FROM DECEMBER 2019

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

* Resolution 4096 x 2160 Pixels

| | PT-RQ50K |
|---|---|
| Light Output | 50,000 lm*2 |
| Resolution | 4K (4096 x 2160) |

## • *Brilliant Native 4K Images for Absolute Immersion*

Achieves Native 4K resolution at 50,000 lumens*2 with red and blue lasers in a dual SOLID SHINE Laser Phosphor drive producing pure, vibrantly emotional color.

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

Produces 50,000 lm*2 from the same footprint as Panasonic's 30,000-lm-class 3-Chip DLP™ laser models. Compact all-in-one body simplifies transport and installation for fast setup and adjustment.

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

Highlighting a "dualized" design concept are dual solid-state lasers and backup video inputs. Hermetically sealed optics and filterless design contribute to 20,000 hours*3 maintenance-free projection even in severe conditions.

*1 For laser-phosphor projectors in the single-body 50,000-lumens-class or higher, as of June 2019. *2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *3 At this time, brightness will have decreased to approximately 50 % of its original level (Dynamic Contrast Mode [3]). Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period.

## 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) |
| Resolution | | 4K (4096 x 2160 pixels) |
| Contrast ratio*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 zone ratio*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 |
| 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 (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PJLink™ (Class 2), Deep Color, HDCP 2.2 |
| | LAN | RJ-45 x 1 for network, 10Base-T/100Base-TX, compatible with Art-Net, PJLink™ (Class 2) |
| | USB | USB Connector (Type A) x 1 for Cloning/Wireless Module (output 5 V/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, 50/60 Hz; AC 100–120 V, 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) | | 1,070 x 445 x 720 mm (42 1/8″ x 17 17/32″ x 28 17/32″) |
| Weight*3 | | Under 130 kg (287 lbs) |
| 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/m³ 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 (1.13-1.72:1)
  ET-D3QS400 (1.45-2.10:1)
  ET-D3QT500 (1.98-3.40:1)
  ET-D3QT600 (2.71-3.89:1)
  ET-D3QT700 (3.89-5.43:1)
  ET-D3QT800 (4.98-7.69:1)
- **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-MDNDV10
- **Interface Board for 3G-SDI Input**
  TY-TBN03G
- **Interface Board for DiplayPort™**
  ET-MDNDP10
- **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/*

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**For more information about Panasonic projectors, please visit:**

Projector Global Website – **panasonic.net/cns/projector**
Facebook – **www.facebook.com/panasonicprojectoranddisplay**
YouTube – **www.youtube.com/user/PanasonicProjector**

**All information included here is valid as of June 2019.**

PT-RQ50KPRE2 Printed in Japan.