Panasonic
BUSINESS

PT-RZ16K

3-Chip DLP™ Projector

Note: Availability may vary by country or region.

AVAILABLE FROM DECEMBER 2020

Unparalleled Flexibility to Bring Professional 3-Chip DLP™ Projection to Almost Any Venue

■ Main Features

01 Streamlined Installation with AC 100–120 V

Project at a full 16,000 lm[*1] brightness on AC 100–120 V and unlock the 3-Chip DLP™ experience at your venue. Smart Projector Control app[*2], Free Grid, and optional upgrade kits[*3] for Geo Pro smooth your way to a stress-free installation.

02 Superior Color Accuracy with High Contrast

Project captivating images in banquet halls, houses of worship, and exhibition spaces with superior 3-Chip DLP™ color accuracy further elevated by 20,000:1[*4] Dynamic Contrast, 120 Hz[*5] Real Motion Processor technology, and noise-reduction optimized for HDR content.

03 High Reliability for Interruption-free Projection

Dual laser drive delivers the stable brightness professionals need while refined filterless cooling enables 20,000 hours'[*6] maintenance-free operation. Failover circuitry, Multi Monitoring & Control Software, and backup input add insurance against unexpected interruptions during mission-critical presentations.

** Lens sold separately.*

	PT-RZ16K
Light Output	16,000 lm[*1] / 16,800 lm (Center)[*7]
Resolution	WUXGA

**1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *2 Available free for iOS and Android™ devices. Check device and OS compatibility at the App Store or Google Play. *3 Purchase a license key to activate optional ET-UK20 and ET-CUK10 upgrade kits for free Geometry Manager Pro for Windows® at the PASS website. *4 Full On/Full Off, Dynamic Contrast [3]. *5 Refresh-rate varies depending on vertical scanning frequency. *6 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends 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. Estimated maintenance time varies depending on environment. *7 Average light-output value of all shipped products measured at center of screen in Normal Mode.*

Full-Brightness Projection on AC 100–120 V

Most 3-Chip DLP™ projectors need AC 200–240 V to operate at full brightness, limiting installation opportunities where commercial voltages are unavailable. The PT-RZ16K supports full-brightness projection on AC 100–120 V—no need to rewire the venue or install other specialized infrastructure.

Superior Color Accuracy with 3-Chip DLP™

With DLP™ chips for R/G/B and consistently stable brightness, colors are deep yet accurate with high uniformity for multi-screen applications. Frame-by-frame scene-linking modulates output to image requirements for precise contrast. Noise-reduction targets dark areas in HDR images while Detail Clarity Processor 5 reveals every nuance in high-resolution content.

Streamlined Installation and Setup

Correct distortion without PC connection hassle using Free Grid. Perform V/H line or control-point adjustments on grids up to 17 x 17 lines via the projector remote. You can adjust settings from smartphone without projecting the OSD menu with our Smart Projector Control*1 app, useful during preparation and setup before a public screening.

Remotely Manage Projectors

Multi Monitoring & Control Software lets you manage up to 2,048 PJLink™-ready display endpoints from your laptop. It includes optional Early Warning functions*2 that support real-time offsite monitoring from a tablet via VPN. Early Warning software alerts users of potential problems before they occur, saving time and enhancing reliability.

Other Features

- System Daylight View 3
- Detail Clarity Processor 5
- Art-Net DMX compatible
- Supports BT.2020 emulation
- 7-segment LED for easy setup including IP address
- Multi-Screen Support System and Multi-Unit Brightness & Color Control
- Mechanical shutter with shutter-sync function
- 3D projection capability
- Wide selection of optional lenses covering throw-ratios between 0.364:1 and 13.8:1

**1 Available free for iOS and Android™ devices. Check device and OS compatibility at the App Store or Google Play. *2 Early Warning functions (free 90-day trial) are bundled with Multi Monitoring & Control Software for Windows®. Purchase an optional license at PASS to continue usage after the free 90-day trial period expires.*

Specifications (Tentative)

Model		PT-RZ16K
Projector type		3-Chip DLP™ projector
DLP™ chip	Panel size	24.4 mm (0.96 in) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip x 3, DLP™ projection system
	Number of pixels	2,304,000 (1920 x 1200 pixels) x 3
Light source		Laser Diode
Light output		16,000 lm*1/16,800 lm (Center)*2
Time until light output declines to 50 %*3		20,000 hours (Normal)/24,000 hours (Eco)
Resolution		WUXGA (1920 x 1200 pixels)
Contrast ratio*1		20,000:1 (Full On/Full Off, Dynamic Contrast: [3])
Screen size (diagonal)		1.78–25.4 m (70–1,000 in), 1.78–15.24 m (70–600 in) with ET-D75LE8/ET-D3LET80, 3.05–15.24 m (120–600 in) with ET-D75LE95
Center-to-corner zone ratio*1		90 %
Lens		Optional (no lens included with this model)
Lens shift*4 (From the origin point of the lens mounter)	Vertical	±55 % (+78 %, +68 % with ET-D75LE95, ±48 % with ET-D3LEW200, ±44 % with ET-D75LE6/ET-D3LEW60) (powered)
	Horizontal	±20 % (±15 % with ET-D75LE6/ET-D3LEW60/ET-D3LEW200, ±12 % with ET-D75LE95, +25 %, 0 % with ET-D3LEU100) (powered)
Keystone correction range		Vertical: ±40 ° (±28 ° with ET-D75LE6/ET-D3LEW60, ±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95), Horizontal: ±15 ° (±5 ° with ET-D3LEU100/ET-D3LEW200, 0 ° with ET-D75LE95)
Keystone correction range with optional upgrade kit (ET-UK20)		Vertical: ±45 ° (± 40 ° with ET-D75LE10/ET-D3LEW10/ET-D75LE20/ET-D3LES20, ±28 ° with ET-D75LE6/ET-D3LEW60, ±22 ° with ET-D3LEW50, ±15 ° with ET-D3LEW200, ±8 ° with ET-D3LEU100, +5 ° with ET-D75LE95), Horizontal: ±40 ° (±15 ° with ET-D3LEW50/ET-D75LE6/ET-D3LEW60, ±5 ° with ET-D3LEU100/ET-D3LEW200, 0 ° with ET-D75LE95) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.
Terminals	SDI 1 IN	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link A), Dual-link 3G-SDI (Link 1)
	SDI 2 IN	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link B), Dual-link 3G-SDI (Link 2)
	HDMI IN	HDMI x 1 (Deep Color, compatible with HDCP)
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP) (Single-link only)
	RGB 1 IN	RGB x 1 (BNC x 5): RGB/YPBPR/YCBCR/YC/VIDEO
	RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YPBPR
	MULTI PROJECTOR SYNC IN / 3D SYNC 1 IN/OUT	BNC x 1
	MULTI PROJECTOR SYNC OUT / 3D SYNC 2 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 (RS-232C compliant)
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control
	REMOTE 1 OUT	M3 stereo mini-jack x 1 for link control
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PJLink™ (Class 2), Deep Color, HDCP
	DC OUT	USB Type A x 2 (for power supply, DC 5 V total of 2 A)
Power supply		AC 100–240 V, 50/60 Hz
Power consumption		1,100 W
Operation noise*1		42 dB
Dimensions (W x H x D)		600 mm x 307 mm*5 x 745 mm (23 5/8″ x 12 3/32″*5 x 29 11/32″) (including protruding parts); 598 mm x 270 mm*6 x 725 mm (23 17/32″ x 10 5/8″*6 x 28 17/32″) (not including protruding parts)
Weight*7		49.0 kg (108 lbs) (TBD)
Operating environment		Operating temperature: 0–50 °C (32–122 °F)*8; 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™

**1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 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 [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *4 Lens shift is not supported on the ET-D3LEW50. *5 With legs at shortest position. *6 Excluding legs. *7 Average value. May differ depending on the actual unit. *8 Operating temperature is 0–45 °C (32–113 °F) when used in locations from 1,400 m to 4,200 m (4,593 ft to 13,779 ft) above sea level. When operating in Eco or Normal mode at elevations between 0–2,700 m (0–8,858 ft) in ambient temperatures exceeding 35 °C (95 °F), or at elevations between 2,700–4,200 m (8,858–13,780 ft) in ambient temperatures exceeding 25 °C (77 °F), light output may be reduced to protect the projector.*

Optional Accessories

- **Fisheye Lens**
  ET-D3LEF70
  Note: Equipped with Auto Lens Identification Function.
- **Fixed-Focus Lens**
  ET-D75LE95 (0.364:1) / ET-D3LEU100* (0.370:1) / ET-D3LEW50* (0.694:1)
  ** Equipped with Auto Lens Identification Function.*
- **Zoom Lens**
  ET-D3LEW200* (0.645–0.850:1) / ET-D3LEW60* (0.924–1.10:1) / ET-D75LE6 (0.924–1.10:1) / ET-D3LEW10* (1.26–1.72:1) / ET-D75LE10 (1.30–1.67:1) / ET-D3LES20* (1.67–2.41:1) / ET-D75LE20 (1.67–2.41:1) / ET-D3LET30* (2.40–4.66:1) / ET-D75LE30 (2.40–4.66:1) / ET-D3LET40* (4.61–7.41:1) / ET-D75LE40 (4.62–7.38:1) / ET-D3LET80* (7.34–13.8:1) / ET-D75LE8 (7.34–13.8:1)
  ** Equipped with Auto Lens Identification Function and Stepping Motor.*
- **Lens Fixed Attachment**
  ET-PLF10/ET-PLF20
- **Stepping Motor Kit**
  ET-D75MKS10
  Note: Calibration is required each time the lens is mounted.
- **DIGITAL LINK Switcher**
  ET-YFB200G
- **Digital Interface Box**
  ET-YFB100G
- **Geometry Manager Pro Software Upgrade Kit**
  ET-UK20 Series
- **Auto Screen Adjustment Upgrade Kit**
  ET-CUK10/ET-CUK10P
- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.

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