Panasonic

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

Available from December 2020

Note: Lens sold separately. Availability may vary by country or region.

Preliminary Product >   3-Chip DLP™ Projector

PT-RZ16K

Features	Specifications	Accessories

As of October 202

	PT-RZ16K
Light Output	16,000 lm[*1]/16,800 lm (Center)[*2]
Resolution	WUXGA

Features

Streamlined AC 100–120 V Installation

Most 3-Chip DLP™ projectors require AC 200–240 V to operate at full brightness, limiting installation opportunities at houses of worship, banquet halls, and exhibition spaces without high-voltage power. PT-RZ16K delivers a full 16,000 lm[*1] on AC 100–120 V. There's no need to rewire the venue or install other specialized infrastructure. Smart Projector Control app[*3], Free Grid, optional Geo Pro upgrade kits[*4], and wide selection of optional lenses covering throw-ratios between 0.364:1 and 13.8:1 make installation easy almost anywhere.

Superior 3-Chip DLP™ Color Accuracy

With DLP™ chips reproducing R/G/B independently and stable brightness from dual laser-phosphor drives, colors are deep yet accurate with high uniformity for multi-screen images enhanced with synchronized dynamic contrast. The PT-RZ16K successfully emulates BT.2020 and supports lifelike HDR reproduction. Real Motion Processor can boost native 60 fps footage to 120 fps[*5] via dual SDI or DVI-D/HDMI® simultaneous input for smooth and realistic motion rendering.

High Reliability for Interruption-free Projection

Hermetically sealed optical block is cooled by a heat-pipe-based system featuring a one-way airflow path. The design eliminates need of an air filter and contributes to 20,000-hour[6] maintenance-free projection. For mission-critical situations, backup input[7] maintains image display if the signal is interrupted by immediately switching to a backup signal without screen-blanking. Multi Monitoring & Control Software lets administrators manage AV assets remotely from a laptop with Early Warning functions[8] adding off-site monitoring from a tablet via VPN.

*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 value of all shipped products measured at center of screen in Normal Mode.
*3 Available free for iOS and Android™ devices. Check compatibility at the App Store or Google Play.
*4 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.
*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 Combination of primary and secondary input terminals is fixed. Input signals to primary and secondary inputs must be identical.
*8 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 trial period expires.

Specifications (Tentative)

	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 °.

Installation	Horizontal/vertical, free 360-degree installation
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/YP$_B$P$_R$/YC$_B$C$_R$/YC/VIDEO
RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YP$_B$P$_R$
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
Cabinet materials	Molded plastic
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™

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*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.

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.