



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-CLK10 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. Estimated time until light output decreases to 50% will vary 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.

*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

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 ⁴	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, 5.08–15.24 m (200–600 in) with ET-D3LEU100/ET-D3LEW200		
Center-to-corner zone ratio ⁴	90 %		
Lens	Optional (no lens included with this model)		
Lens shift ⁴ (From the origin point of the lens mounter)	Vertical	±55 % (+68 – +78 % 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, 0 – +25 % 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/Y/PbPr/Y/CbCr/YC/VIDEO	
	RGB 2 IN	D-sub 15-pin (female) x 1: RGB/Y/PbPr	
	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 DC OUT	RJ-45 x 1 for network and DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PjLink™ (Class 2), Deep Color, HDCP	
	Power supply	AC 100 V–120 V/AC 200 V–240 V, 50 Hz/60 Hz	
	Power consumption	1,100 W	
Operation noise ⁵	42 dB		
Dimensions (W x H x D)	600 mm x 307 mm ⁶ x 745 mm (23 5/8" x 12 3/32" x 29 11/32") (including protruding parts); 598 mm x 270 mm ⁶ x 725 mm (23 17/32" x 10 5/8" x 28 17/32") (not including protruding parts)		
Weight ⁷	49.0 kg (108 lbs)		
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 decreases to 50 % will vary 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 (For ET-D3LEF70) / ET-PLF20 (For ET-D3LEU100/LEW200)

Note: This attachment may be required in some installation environments.

• Stepping Motor Kit

ET-D75MKS10

Note: Calibration is required each time the lens is mounted.

• DIGITAL LINK Switcher

ET-YFB200G

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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