

Compact and Filterless 21 klm*¹ 4K+ 3-Chip DLP™ Projector Leverages SOLID SHINE Laser Technology for Awesome Large-Format Pictures and Low TCO



PT-RQ22K	
Brightness	21,000 lm (Center)* ¹ / 20,000 lm* ²
Resolution	4K+ (5120 x 3200)* ³
Contrast	20,000:1

Flagship 4K+ Imaging Performance

- Harnesses next-generation 3-Chip DLP™ imaging system with Panasonic SOLID SHINE Laser technology for bright and film-like picture reproduction
- High 21,000 lm*¹ brightness in a compact, lightweight, and easy-to-handle body
- Quad Pixel Drive produces supremely detailed 4K+ images
- Real Motion Processor 240 Hz frame interpolation achieves fluid reproduction of fast-paced action sequences
- Features 4K BT.2020 color-space emulation and supports HDR standard for accurate handling of next-generation video formats
- Efficient heat-pipe-based cooling system assures stability and long life

Peak Performance Extended for Low TCO

- Minimal maintenance required for continuous 24/7 projection applications
- Dust-resistant design features hermetically shielded optical unit and cost-saving filterless cooling system
- Digital laser light-source modulation achieves high 20,000:1 dynamic contrast
- Detail Clarity Processor 5+ technology with 4K optimization to enhance detail expression with all video sources
- System Daylight View 3 boosts image sharpness in projection mapping applications and in bright environments

Flexible Installation and System Integration

- Two slots for optional SLOT NX terminal boards suiting various applications
- Supports 12G SDI Interface Board (ET-MDN12G10)
- Shares optional lenses with Panasonic 3-Chip DLP™ projector family including ultra-short-throw and fisheye lenses
- Compact body and free 360-degree installation (vertical and horizontal)
- 4K DIGITAL LINK supports transmission of uncompressed 4K video signals and control commands through single LAN cable
- Multi-Screen Support System blends and calibrates multiple screens
- Multi-Unit Brightness and Color Control
- Free Geometry Manager Pro software with optional Upgrade Kit (ET-UK20)
- Supports Auto Screen Adjustment Upgrade Kit (ET-CUK10)

Specifications (Tentative)

Model	PT-RQ22K	
DLP™ chip	Panel size	22.9 mm (0.9 in) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip x 3, DLP™ projection system
	Pixels	49,152,000 (12,288,000 x 4) pixels with Quad Pixel Drive set to ON, 4,096,000 (2560 x 1600) x 3, total of 12,288,000 pixels with Quad Pixel Drive set to OFF
Refresh rate	240 Hz*1	
Lens	Optional (no lens included with this model)	
Light source	Laser diodes (Laser class: Class 1) (Class 3R for US models), Light source life: 20,000 hours (NORMAL mode, brightness decreases to approx. 50 %)	
Screen size (diagonal)	1.78–25.4 m (70–1,000 in) with 16:10 aspect ratio 1.78–15.24 m (70–600 in) with the ET-D75LE8 / ET-D3LET80, 16:10 aspect ratio 3.05–15.24 m (120–600 in) with the ET-D75LE95, 16:10 aspect ratio	
Brightness	21,000 lm (Center)*2 / 20,000 lm*3 (HIGH Mode)*4	
Center-to-corner uniformity*3	90 %	
Contrast*3	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)	
Resolution	4K+ (5120 x 3200) (Quad Pixel Drive: ON)	
Optical axis shift*5	Vertical (from center of screen)	±59 % (±56 % with ET-D75LE6 / ET-D3LEW60, +69 % – +84 % with ET-D75LE95) (powered)
	Horizontal (from center of screen)	±29 % (±19 % with ET-D75LE6 / ET-D3LEW60, ±21 % with ET-D75LE95) (powered)
Keystone correction range	Vertical: ±40° (±22° with ET-D75LE50 / ET-D3LEW50, ±28° with ET-D75LE6 / ET-D3LEW60, +5° with ET-D75LE95), Horizontal: ±15° (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, ±22° with ET-D75LE50 / ET-D3LEW50, ±28° with ET-D75LE6 / ET-D3LEW60, +5° with ET-D75LE95) Horizontal: ±40° (±15° with ET-D75LE50 / ET-D3LEW50, ET-D75LE6 / ET-D3LEW60, ET-D75LE10 / ET-D3LEW10, 0° with ET-D75LE95), Up to a total of ±30° during simultaneous horizontal and vertical correction	
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), Quad-link HD-SDI (Link 1), Quad-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), Quad-link HD-SDI (Link 2), Quad-link 3G-SDI (Link 2)
	SDI 3 IN	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-C), Dual-link 3G-SDI (Link 3), Quad-link HD-SDI (Link 3), Quad-link 3G-SDI (Link 3)
	SDI 4 IN	BNC x 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-D), Dual-link 3G-SDI (Link 4), Quad-link HD-SDI (Link 4), Quad-link 3G-SDI (Link 4)
	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, link control
	REMOTE 1 OUT	M3 x 1 for wired remote control, link control
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
	LAN/DIGITAL LINK	RJ-45 x 1 for network, DIGITAL LINK connection (HDBaseT™ compliant), 100Base-TX, compatible with Art-Net, PjLink™ (Class 2), Deep Color, HDCP2.2
	DC OUT	USB Type A x 2 (for power supply DC 5V total of 2 A)
	Expansion Slot	SLOT 1 / SLOT 2 (total two terminals, vacant) for interface boards, SLOT NX compatible
Power supply	AC 200–240 V, 50/60 Hz; AC 100–200 V, 50/60 Hz (brightness is restricted with lower voltage)	
Power consumption	TBD	
Cabinet materials	Molded plastic	
Dimensions (W x H x D)	598 x 270 x 725 mm (23 1/32" x 10 5/8" x 28 17/32") (not including protruding parts)	
Weight*6	Approx. 55 kg (122 lbs)	
Operation noise*3	TBD	
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*7, operating humidity: 10–80 % (no condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Geometry Manager Pro (ET-UK20 Upgrade Kit)	

*1 Refresh-rate varies depending on vertical scanning frequency. *2 Luminance measured at center of screen (in HIGH Mode). *3 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *4 Operation in HIGH Mode may reduce maintenance timing in comparison to use in NORMAL Mode. *5 Optical axis shift is not supported on the ET-D75LE50/ET-D3LEW50. *6 Average value. May differ depending on the actual unit. *7 Light source brightness may decrease depending on operating temperature. When projector is operating at high temperature or at high altitude, brightness will decrease correspondingly.

Optional Accessories

<ul style="list-style-type: none"> ■ Fisheye Lens ET-D3LEF70 ■ Fixed-Focus Lens ET-D75LE50 / ET-D3LEW50, ET-D75LE95 	<ul style="list-style-type: none"> ■ Zoom Lens ET-D75LE6 / ET-D3LEW60, ET-D75LE8 / ET-D3LET80, ET-D75LE10 / ET-D3LEW10, ET-D75LE20 / ET-D3LES20, ET-D75LE30 / ET-D75LE40 ■ Stepping Motor Kit ET-D75MKS10 	<ul style="list-style-type: none"> ■ Mount Bracket ET-PKD520H/S/B ■ Frame ET-PFD510 	<ul style="list-style-type: none"> ■ Interface Board for 12G-SDI Input (Input x 2, Output x 2) ET-MDN12G10 ■ Interface Board for HDMI (HDCP2.2) Input (Input x 2) ET-MDNHM10 ■ Interface Board for DVI Input (Input x 2) ET-MDNDV10 ■ Geometry Manager Pro Software Upgrade Kit ET-UK20 	<ul style="list-style-type: none"> ■ Interface Board for 3G-SDI Input (Input x 4) TY-TBN03G ■ Auto Screen Adjustment Upgrade Kit ET-CUK10 	<ul style="list-style-type: none"> ■ Early Warning Software ET-SWA100 Series
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