

PT-RZ21K Series

3-Chip DLP™ Projectors

Available from Autumn 2017

Tentative

20,000 lm of SOLID SHINE Laser Power in a Compact, Lightweight Projector That Cuts Total Cost of Ownership



PT-RZ21K Series		
	PT-RZ21K	PT-RS20K
Brightness		20,000 lm
Resolution	WUXGA	SXGA+
Contrast		20,000:1

Original Technology Assures Elite Performance

- Combines 3-Chip DLP™ with Panasonic SOLID SHINE Laser Phosphor Technology for Bright, Natural, and Immersive Picture Quality
- Latest Standard Compatibility for Accurate Color-space Reproduction
- Minimal Maintenance Required Under Continuous Operation
- Dust-resistant Design Featuring Hermetically Sealed Laser Modules
- Efficient Cooling System for Stable Operation and Long Life

Reference Image Quality Maintained Longer

- High 20,000 lm Brightness in a Compact, Lightweight, Easy-to-Handle Body
- Dynamic Contrast Laser Light-source Modulation Achieves High Contrast
- Detail Clarity Processor Clarifies and Enhances Fine Details with Advanced Processing Algorithm
- Daylight View Function Improves Color Perception in Bright Environments and in Mapping Applications

Versatile System Installation and Rigging Flexibility

- Free 360-degree Installation (Vertical and Horizontal)
- Shares Optional Lenses with Panasonic 3-Chip DLP™ Projector Family Including Ultra-Short Throw Lens
- DIGITAL LINK Supports Transmission of Uncompressed Full HD Video and Control Commands Through Single LAN Cable
- Multi-Screen Support System Seamlessly Connects Multiple Screens
- Multi-Unit Brightness and Color Control
- Free Geometry Manager Pro and Optional Upgrade Kit

Specifications (Tentative)

Model	PT-RZ21K	PT-RS20K
Power supply	AC 100-120 V, AC 200-240 V (Brightness decreases at voltages less than AC 200 V)	
Power consumption	TBD	
DLP™ chip	Panel size	24.4 mm (0.96 inches) diagonal (16:10 aspect ratio)
	Display method	DLP™ chip × 3, DLP™ projection system
	Pixels	6,912,000 (1920 × 1200 × 3) pixels
Refresh rate	120 Hz ^{*1}	
Lens	Optional (no lens included with this model)	
Light source	Laser diode, 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	1.78-25.4 m (70-1,000 in) with 4:3 aspect ratio
	1.78-15.24 m (70-600 in) with the ET-D75LE8, 16:10 aspect ratio	1.78-15.24 m (70-600 in) with the ET-D75LE8, 4:3 aspect ratio
	3.05-15.24 m (120-600 in) with the ET-D75LE95, 16:10 aspect ratio	3.05-15.24 m (120-600 in) with the ET-D75LE95, 4:3 aspect ratio
Brightness	20,000 lm / 21,000 lm (Center)	
Center-to-corner uniformity	90 %	
Contrast	20,000:1 (Full On/Full Off, Dynamic Contrast Mode: 3)	
Resolution	1920 × 1200 pixels	1400 × 1050 pixels
Scanning frequency	SD-SDI	SMPTE ST 259 compliant, [YCbCr 4:2:2 10-bit] 480/60i, 576/50i
	HD-SDI	SMPTE ST 292 compliant, [YPbPr 4:2:2 10-bit] 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p
	Dual-link HD-SDI	SMPTE ST 372 compliant, [YPbPr 4:2:2 10-bit] 1080/50p, 1080/60p [RGB 4:4:4 12-bit/10-bit] 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 2048 × 1080/24p, [X'Y'Z' 4:4:4 12-bit] 2048 × 1080/24p
	3G-SDI	SMPTE ST 424 compliant, [RGB 4:4:4 12-bit/10-bit] 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p, [YPbPr 4:2:2 10-bit] 1080/60p, 1080/50p, 2048 × 1080/48p, 2048 × 1080/50p, 2048 × 1080/60p, [X'Y'Z' 4:4:4 12-bit] 2048 × 1080/24p, 2048 × 1080/25p, 2048 × 1080/30p
	Dual-link 3G-SDI	SMPTE ST 425 compliant, [YPbPr 4:4:4 12-bit/10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/50p, 2048 × 1080/48p, [RGB 4:4:4 12-bit/10-bit] 1080/60p, 1080/50p, 2048 × 1080/60p, 2048 × 1080/50p, 2048 × 1080/48p
	HDMI/DVI-D	480/60i ^{**} , 576/50i ^{**} , 480/60p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p, 640 × 400-WUXGA ^{**3} (1920 × 1200) (compatible with non-interlaced signals only), dot clock: 25-162 MHz
	RGB	fh: 15-100 kHz, fv: 24-120 Hz, dot clock: 20-162 MHz
	YPbPr (YCbCr)	fh: 15.73 kHz, fv: 59.94 Hz [480/60i], fh: 15.63 kHz, fv: 50 Hz [576/50i], fh: 31.47 kHz, fv: 59.94 Hz [480/60p], fh: 31.25 kHz, fv: 50 Hz [576/50p], fh: 45.00 kHz, fv: 60 Hz [720/60p], fh: 37.50 kHz, fv: 50 Hz [720/50p], fh: 33.75 kHz, fv: 60 Hz [1080/60i], fh: 28.13 kHz, fv: 50 Hz [1080/50i], fh: 28.13 kHz, fv: 25 Hz [1080/25p], fh: 27.00 kHz, fv: 24 Hz [1080/24p], fh: 27.00 kHz, fv: 48 Hz [1080/24sF], fh: 33.75 kHz, fv: 30 Hz [1080/30p], fh: 67.50 kHz, fv: 60 Hz [1080/60p], fh: 56.25 kHz, fv: 50 Hz [1080/50p]
	Video/YC	fh: 15.73 kHz, fv: 59.94 Hz (NTSC/NTSC4.43/PAL-M/PAL60), fh: 15.63 kHz, fv: 50 Hz (PAL/PAL-N/SECAM)
	Optical axis shift ^{*4}	Vertical (from center of screen)
Horizontal (from center of screen)		±20 % (±15 % with ET-D75LE6, ±12 % with ET-D75LE95) (powered)
Keystone correction range	Vertical: ±40 ° (±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6), Horizontal: ±15 °	
Keystone correction range with optional Upgrade Kit ET-UK20	Vertical: ±45 ° (±40 ° with ET-D75LE10/20, ±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6), Horizontal: ±40 ° (±15 ° with ET-D75LE50/6), Up to a total of ±55 ° during simultaneous horizontal and vertical correction.	
Installation	Horizontal/vertical, free 360-degree installation	
Terminals	SDI 1 IN	BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-A), Dual-link 3G-SDI (Link 1)
	SDI 2 IN	BNC × 1: 3G/HD/SD-SDI input, Dual-link HD-SDI (Link-B), Dual-link 3G-SDI (Link 2)
	HDMI IN	HDMI 19-pin × 1 (Deep Color, compatible with HDCP)
	DVI-D IN	DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP)
	RGB 1 IN	RGB × 1 (BNC × 5): RGB/YPbPr/YCbCr/YC/VIDEO
	RGB 2 IN	D-sub HD 15-pin (female) × 1: RGB/YPbPr
	MULTI PROJECTOR SYNC IN	BNC × 1
	MULTI PROJECTOR SYNC OUT	BNC × 1
	SERIAL IN	D-sub 9-pin (female) × 1 for external control (RS-232C compliant)
	SERIAL OUT	D-sub 9-pin (male) × 1 for link control
	REMOTE 1 IN / OUT	M3 × 1 for wired remote control, link control
	REMOTE 2 IN	D-sub 9-pin (female) × 1 for external control (parallel)
	DC OUT	USB (type A) × 2, DC 5 V, max 900 mA
	LAN/DIGITAL LINK	RJ-45 × 1 for network, DIGITAL LINK connection, 100Base-TX, compatible with Art-Net, PjLink™ (class 1), Deep Color, HDCP
	Dimensions (W × H × D)	TBD
Weight	TBD	
Operation noise ^{*5}	TBD	
Cabinet materials	Molded plastic	
Operating environment	TBD	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit), Smart PJ Control	

^{*1} Refresh rate varies depending on scanning frequency. ^{*2} Only compatible with dot-clock frequency of 27 MHz (pixel repetition signal). ^{*3} WUXGA resolution is supported when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking). ^{*4} Optical axis shift is not supported on the ET-D75LE50. ^{*5} Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

Optional Accessories

- Fixed-Focus Lens
ET-D75LE50 / ET-D75LE95
- Zoom Lens
ET-D75LE6 / ET-D75LE10
ET-D75LE20 / ET-D75LE30
ET-D75LE40 / ET-D75LE8

- Replacement Filter Unit
TBD
- Smoke Cut Filter
TBD

- Ceiling Mount Bracket for High Ceilings
ET-PKD520H
- Ceiling Mount Bracket for Low Ceilings
ET-PKD520S

- Projector Mount Bracket
ET-PKD520B

- Geometry Manager Pro Software Upgrade Kit
ET-UK20 Series
- Auto Screen Adjustment Upgrade Kit
ET-CUK10

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