Specifications

Model			PT-DZ21K2	PT-DS20K2	PT-DW17K2	PT-DZ16K2
Power supply			200–240 V AC, 50/60 Hz			
Power consumption			2,060 W (0.3 W with Standby Mode set to Eco*1, 4 W with Standby Mode set to Normal)			
Refresh rate			120 Hz*2		60 Hz*2	120 Hz*2
DLP™ chip	Panel size		24.4 mm (0.96″) diagonal (16:10 aspect ratio)	24.1 mm (0.95″) diagonal (4:3 aspect ratio)	21.6 mm (0.85″) diagonal (16:9 aspect ratio)	24.1 mm (0.95″) diagonal (16:9 aspect ratio)
	Display method		DLP™ chip x 3, DLP™ projection system			
	Pixels		2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels	1,470,000 (1400 x 1050) x 3, total of 4,410,000 pixels	1,049,088 (1366 x 768) x 3, total of 3,147,264 pixels	2,073,600 (1920 x 1080) x 3, total of 6,220,800 pixels
Lamp	Normal		UHM lamp x 4 (432 W), replacement cycle of up to 3,000 hours*3			
	Portrait		UHM lamp x 4 (432 W), replacement cycle of up to 1,000 hours			—
Lens			Optional powered zoom and fixed-focus lenses			
Screen size (diagonal)			1.78–25.4 m (70–1,000″), 3.05–15.24 m (120–600″) with ET-D75LE90, 1.78–15.24 m (70–600″) with ET-D75LE8, 16:10 aspect ratio	1.78–25.4 m (70–1,000″), 3.05–15.24 m (120–600″) with ET-D75LE90, 1.78–15.24 m (70–600″) with ET-D75LE8, 4:3 aspect ratio	1.78–25.4 m (70–1,000″), 3.05–15.24 m (120–600″) with ET-D75LE90, 1.78–15.24 m (70–600″) with ET-D75LE8, 16:9 aspect ratio	
Brightness*4			20,000 lm (four-lamp)		17,000 lm (four-lamp)	16,000 lm (four-lamp)
Center-to-corner uniformity*4			90 %			
Contrast*4			10,000:1 (full on/off, with Dynamic Iris set to "3")			
Resolution			1920 x 1200 pixels	1400 x 1050 pixels (input signals that exceed this resolution will be converted to 1400 x 1050 pixels)	1366 x 768 pixels (input signals that exceed this resolution will be converted to 1366 x 768 pixels)	1920 x 1080 pixels (input signals that exceed this resolution will be converted to 1920 x 1080 pixels)
Scanning frequency	SDI	Dual-link 3G-SDI	SMPTE ST 425 compliant, [YPBPR 4:4:4 12bit/10bit] 1080/60p, 1080/50p, 2048 x 1080/60p, 2048 x 1080/50p, 2048 x 1080/48p, [RGB 4:4:4 12bit/10bit] 1080/60p, 1080/50p, 2048 x 1080/60p, 2048 x 1080/50p, 2048 x 1080/48p		—	
		Dual-link HD-SDI	SMPTE ST 372 compliant, [RGB 4:4:4 12bit/10bit] 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 2048 x 1080/24p, 2048 x 1080/24sF, [X′Y′Z′ 4:4:4 12bit] 2048 x 1080/24p, 2048 x 1080/24sF		—	
		3G-SDI	SMPTE ST 424 compliant, [YPBPR 4:2:2 10bit] 1080/50p, 1080/60p, [RGB 4:4:4 12bit/10bit] 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p		—	SMPTE ST 424 compliant, [YPBPR 4:2:2 10bit] 1080/50p, 1080/60p, [RGB 4:4:4 12bit/10bit] 1080/50i, 1080/60i, 1080/25p,1080/24p, 1080/24sF, 1080/30p
		HD-SDI	SMPTE ST 292 compliant, [YPBPR 4:2:2 10bit] 720/50p, 720/60p, 1035/60i, 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p		—	SMPTE ST 292 compliant, [YPBPR 4:2:2 10bit] 720/50p, 720/60p, 1035/60i, 1080/50i, 1080/60i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p
		SD-SDI	SMPTE ST 259 compliant, [YCBCR 4:2:2 10bit] 480i, 576i		—	SMPTE ST 259 compliant, [YCBCR 4:2:2 10bit] 480i, 576i
	HDMI/DVI-D/ DIGITAL LINK		480p, 576p, 480i*5, 576i*5, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p, VGA (640 x 480)–WUXGA*6 (1920 x 1200), compatible with non-interlaced signals only, dot clock: 25–162 MHz			
	DVI-D/HDMI simultaneous input		1920 x 1200p, 1920 x 1080p, 1400 x 1050p, 1366 x 768p, 120 Hz/100 Hz			
	RGB		fH: 15–100 kHz, fV: 24–120 Hz, dot clock: 13.5–162 MHz			
	YPBPR (YCBCR)		fH: 15.73 kHz, fV: 59.94 Hz [480i (525i)], fH: 15.63 kHz, fV: 50 Hz [576i (625i)], fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p], fH: 33.75 kHz, fV: 60 Hz [1035 (1125)/60i], fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i], fH: 27.00 kHz, fV: 24 Hz [1080 (1125)/24p], fH: 33.75 kHz, fV: 30 Hz [1080 (1125)/30p], fH: 56.25 kHz, fV: 50 Hz [1080 (1125)/50p], fH: 31.47 kHz, fV: 59.94 Hz [480p (525p)], fH: 31.25 kHz, fV: 50 Hz [576p (625p)], fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p], fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i], fH: 28.13 kHz, fV: 25 Hz [1080 (1125)/25p], fH: 27.00 kHz, fV: 48 Hz [1080 (1125)/24sF], fH: 67.50 kHz, fV: 60 Hz [1080 (1125)/60p]			
	Video/Y/C		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*7 (from center of screen)	Vertical		±55 % (±44 % with ET-D75LE6, +73 – +78 % with ET-D75LE90) (powered)	±50 % (±40 % with ET-D75LE6, +71 % (fixed) with ET-D75LE90) (powered)	±70 % (±60 % with ET-D75LE6, +78 – +96 % with ET-D75LE90) (powered)	±60 % (±50 % with ET-D75LE6, +75 – +88 % with ET-D75LE90) (powered)
	Horizontal		±20 % (±15 % with ET-D75LE6, ±6 % with ET-D75LE90) (powered)	±30 % (±20 % with ET-D75LE6, ±0 % (non-movable) with ET-D75LE90) (powered)	±30 % (±20 % with ET-D75LE6, -13 – +27 % [+: rightward] with ET-D75LE90) (powered)	±20 % (±15 % with ET-D75LE6, -12 – +14 % with ET-D75LE90) (powered)
Keystone correction range			Vertical: ±40 ° (± 22 ° with ET-D75LE50, ±28 ° with ET-D75LE6, +5 ° with ET-D75LE90), horizontal: ±15 °			
Keystone correction range with optional Upgrade Kit			Vertical: ±45 ° (±40 ° with ET-D75LE10/20, ±22 ° with ET-D75LE50, ±28 ° with ET-D75LE6), horizontal: ±40 ° (±15 ° with ET-D75LE50/6)		—	
Installation			Ceiling/floor, front /rear, portrait (portrait mode requires optional lamp units)			Ceiling/floor, front /rear
Terminals	SDI IN		BNC x 2 (3G/HD/SD-SDI)		—	BNC x 1 (3G/HD/SD-SDI)
	3D SYNC IN/OUT 3D SYNC OUT		BNC x 1 (3D timing signal) BNC x 1 (3D timing signal)		—	
	DVI-D IN		DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)			
	HDMI IN		HDMI 19-pin x 1 (Deep Color, compatible with HDCP)			
	RGB 1 IN		BNC x 5 (RGB/YPBPR/YCBCR/VIDEO/YC x 1)			
	RGB 2 IN		D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR 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			
	REMOTE 1 OUT		M3 x 1 for link control (for wired remote 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, 100Base-TX, compatible with Art-Net, PJLink™ (class 1), Deep Color, HDCP			
Cabinet materials			Molded plastic			
Dimensions (W x H x D)			620 x 255 x 730 mm (24 13/32″ x 10 1/32″ x 28 3/4″) (optional lens, legs and lens cover not included)			
Weight*8			Approximately 41 kg (90.4 lbs) (optional lens not included)			
Operation noise*4			46 dB			
Operating environment			Operating temperature: 0–45 °C (32–113 °F)*9, 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 and ET-CUK10*10 Auto Screen Adjustment Kit)		Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software	
Supplied accessories			Power cord with secure lock, wireless/wired remote control unit, batteries (R6/AA type x 2), software CD-ROM (Logo Transfer Software, Multi Monitoring & Control Software)			

*1 When Standby Mode is set to Eco, network functions such as power on over LAN will not operate. Additionally, only certain commands can be received for external control using the serial terminal. *2 Refresh rate varies depending on scanning frequency. *3 This value (maximum, 50 % brightness) is calculated by continuously turning the lamp on for 2 hours and off for 0.25 hours. The lamp replacement cycle will decrease if the lamp is turned on/off more frequently, or if it is left on for longer intervals. *4 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *5 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal).*6 WUXGA resolution is supported only when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking). *7 Optical axis shift is not supported on the ET-D75LE50. *8 Average value. May differ depending on the actual unit. *9 When the projector is used in Portrait Mode with ET-LAD520P/LAD520PF or used in locations from 1,400 m to 2,700 m (4,593 ft to 8,858 ft) above sea level, operating temperature range is 0 °C to 40 °C (32 °F to 104 °F). When used with Smoke Cut Filter, operating temperature range is 0 °C to 35 °C (32 °F to 95 °F), and the projector cannot be used in locations over 1,400 m (4,593 ft) above sea level. *10 Available worldwide except in the United States.

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