PT-EX12KE

General	Power supply		100-240 V AC, 50/60 Hz
	Power consumption		940 W (17 W with standby mode)
	LCD panel	Panel size	46 mm (1.8 inches) diagonal (4:3 aspect ratio)
		Display method	Transparent LCD panel (x 3, R/G/B)
		Pixels	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
		Pixel configuration	Stripe
	Pure color control device		1
	Lens		Optional
	Lamp		380 W x 2, lamp replacement cycle (lamp power: Normal/Eco1, Eco2): 2,000 hours/3,000 hours*1
	Screen size (diagonal)		1.02–15.24 m (40–600 inches) (2.54–15.24 m [100–600 inches] with the ET-ELS03), 4:3 aspect ratio
	Brightness*sup2/sup		13,000 lm (2-lamps, lamp power: Auto/Normal, Optional lens: ET-ELS03)
	Center-to-corner uniformity ratio*sup2/sup		90%
	Contrast ratio*sup2/sup		4,000:1 (full on/full off, 2-lamps, lamp power: Auto)
	Resolution		1,024 x 768 pixels (Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.)
	Scanning frequency	HDMI/DVI-D	Horizontal: 26–80 kHz, vertical: 23–85 Hz, dot clock: 162 MHz or lower
		RGB (analog)	fH: 15–120 kHz, fV: 48–120 Hz, dot clock: 230 MHz or lower (Signals exceeding the dot clock rate of 165 MHz are downsampled.)
		YPsubB/subPsubR/sub (YCsubB/subCsubR/sub)	fH: 15.75 kHz, fV: 60 Hz [480i (525i)] fH: 31.50 kHz, fV: 60 Hz [480p (525p)] fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p] fH: 33.75 kHz, fV: 60 Hz [1035/60i] fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i] fH: 28.13 kHz, fV: 50 Hz [1080/25sF] fH: 27.00 kHz, fV: 48 Hz [1080/24sF] fH: 33.75 kHz, fV: 60 Hz [1080/30sF] fH: 56.25 kHz, fV: 50 Hz [1080/50p] fH: 15.63 kHz, fV: 50

		Hz [576i (625i)] 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 [1080/25p] fH: 27.00 kHz, fV: 24 Hz [1080/24p] fH: 33.75 kHz, fV: 30 Hz [1080/30p] fH: 67.50 kHz, fV: 60 Hz [1080/60p]
	Video/S-Video	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]
Optical axis shift		With the ET-ELW06: vertical ±39% from center of screen (powered)*3 With the ET-ELW02/ELW04/ELS03/ELM01/ELT02/ELT03: vertical ±39%, horizontal ±10% from center of screen (powered) With the ET-ELS02: vertical ±50%, horizontal ±10% from center of screen (powered) With the ET-ELW03: the optical lens shift function cannot be used.
Keystone correction range		Vertical: Maximum ±40°, Horizontal: Maximum ±40° (with XGA signal input, for vertical/horizontal correction only, Optional lens: ET-ELS03)
Installation		Ceiling/floor, front/rear
Terminals	DVI-D IN (INPUT 1)	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only), 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1035/60i, 1080/24p, 1080/24sF, 1080/25p, 1080/25sF, 1080/30p, 1080/30sF, 1080/60p, 1080/50p, VGA (640 x 480)–WUXGA (1,920 x 1,200)*4, compatible with non-interlaced signals only, dot clock: 25–162 MHz
	HDMI IN (INPUT 1)	HDMI 19-pin x 1 (compatible with HDCP, compatible with Deep Color), 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1035/60i, 1080/24p, 1080/24sF, 1080/25p, 1080/25sF, 1080/30p, 1080/30sF, 1080/60p, 1080/50p, VGA (640 x 480)–WUXGA (1,920 x 1,200)*4, compatible with non-interlaced signals only, dot clock: 25–162 MHz
	ANALOG IN (INPUT 1)	D-sub HD 15-pin (female) x 1 (RGB x 1)
	RGB 5BNC IN/ VIDEO IN (INPUT 2)	BNC x 5 (RGB/YPBPR/YCBCR x 1), shared with VIDEO IN (BNC x 1) (composite video)
	S-VIDEO IN (INPUT 2)	Mini DIN 4-pin x 1 (S-Video)
	INPUT3/INPUT4	Optional interface board slot, When the ET-MD16SD1 is installed, SERIAL IN (SDI IN 1/2): BNC x 2 (SD-SDI signal/single link HD-SDI signal) SD-SDI signal (YCBCR 4:2:2 10-BIT): 480i, 576i (SMPTE 259M-C compliant) Single-link HD-SDI signal (YPBPR 4:2:2 10-BIT): 720/50p, 720/60p, 1035/60i, 1080/50i, 1080/60i, 1080/25p, 1080/25sF, 1080/24p, 1080/24sF, 1080/30p, 1080/30sF (SMPTE 292M compliant) SERIAL OUT (SDI OUT): BNC x 1 (active through)
	SERIAL IN	D-sub 9-pin (female) x 1 for external control
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control

		REMOTE IN	M3 Jack x 1 (for wired remote control)
		LAN	RJ-45 x 1 (for network connection, 100Base-TX/10Base-T, compliant with PJLink™ [class1])
		USB	USB type-B (USB connector) x 1*5
	Cabinet materials		Molded plastic
	Dimensions (W × H × D)		538.5 x 268 x 757 mm (21.2” x 10.6” x 29.8”) (with legs at shortest position, optional lens not included)
	Weight		Approximately 28 kg (61.7 lbs) (optional lens not included)
	Noise level		42 dB (lamp power: Normal/Eco2), 39 dB (lamp power: Eco1)
	Operating temperature		0°C- 40°C [32°F-104°F] (less than 1,400 m [4,593 ft] above sea level), 0°C-30°C [32°F-86°F] (between 1,400 m and 2,700 m [4,593 ft to 8,858 ft] above sea level)
	Operating humidity		20–80 % (no condensation)
	Supplied accessories		Power cord x 1 (x 2 for PT-EX16KE/EX12KE), power cord holder/power cord cover x 1set, wireless/wired remote control unit, batteries (AAA/R03/LR03 type x 2), VGA cable x 1, software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software, Real Color Manager Pro.), lens attachment x 1set, lens lock lever fixing bracket x 1set, lightshielding plate x 3set, spacer x 1set, cable tie x 3
NOTE			*1 The values given for the recommended lamp replacement cycles are maximum. *2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *3 The ET-ELW06 is equipped with only vertical optical axis shift. *4 Compliant with VESA CVT-RB. *5 This port is for use by service personnel only. The USB interface may not operate with all USB compatible equipment. Caution Do not install the projector in locations that are subject to excessive water, humidity, steam or oily smoke. Doing so may result in fire, malfunction or electric shock. NOTES ON USE 1 This product must not be used in residential areas. 2 This product may cause interference if used in residential areas. Such use must be avoided unless the user takes special measures to reduce electromagnetic emissions to prevent interference to the reception of radio and television broadcasts. 3 The projector uses a high-voltage mercury lamp under high internal pressure. This lamp may break, emitting a popping sound, or fail to

	illuminate, due to impact or extended use. 4 The high-wattage lamp becomes very hot during operation. Please observe the following precautions: • Never place objects on top of the projector while it is in operation. • Make sure there is an unobstructed space of 1,000 mm (39-3/8 in) or more around the projector's exhaust openings. • If stacking projector units, care must be taken to provide the recommended space between units. These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup. • If the projector is placed in a box or enclosure, the temperature of the air surrounding the projector must match the operating temperature listed in the specifications table during use. Also, make sure the projector's intake and exhaust openings are not blocked. Ensure there is sufficient ventilation to prevent hot air from the exhaust openings being recirculated into the intake opening. 5 The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods. • The lamp replacement cycle varies greatly depending on individual lamp characteristics and usage conditions. • The brightness of the lamp will gradually decrease with use. 6 Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.