



**3LCD - 7,500 lumens - XGA - 1Lamp - Exchangeable lens - Digital Link - Powered H/V Lens Shift**

## **PT-EX800Z**

High brightness, low TCO and flexible installation LCD Projector Ideal for use in education and corporate environments

### **Key Features**

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LCD, 7,500 lumens, XGA

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Daylight View Basic function ensures clear and vivid image quality in bright environments

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Integrated DIGITAL LINK and Displayport connection

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Eco filter enables up to 15,000 hours of air filter replacement cycle





## PT-EX800Z

<https://eu.connect.panasonic.com/gb/en/products/projectors/pt-ex800z>

<b>Brightness</b>	7,500 lumens (LAMP POWER: AUTO/NORMAL, Dynamic mode, Standard lens)
<b>Resolution</b>	1,024 x 768 pixels
<b>Power Supply</b>	100-240 V AC, 50/60 Hz
<b>Power Consumption</b>	590 W (0.3 W with STANDBY MODE set to ECO* 1, 10 W with STANDBY MODE set to NORMAL, 37 W with in STANDBY MODE of Audio Setting set to on.)
<b>Optical System</b>	Dichroic mirror separation/prism synthesis system
<b>LCD Panel   Panel Size</b>	19.0 mm (0.75 inches) diagonal (4:3 aspect ratio)
<b>LCD Panel   Display Method</b>	Transparent LCD panel (x 3, R/G/B)
<b>LCD Panel   Pixels</b>	786,432 (1,024 x 768) x 3, total of 2,359,296 pixels
<b>LCD Panel   Pixel Configuration</b>	Stripe
<b>Lens</b>	Powered zoom/focus lens (1.7- 2.8:1), F 1.7- 2.3, f 26.9-45.4 mm Optional powered zoom/focus lenses and fixed-focus lens
<b>Lamp</b>	400 W UHM lamp
<b>Screen Size</b>	1.02 -10.16 m (40- 400 inches), 4:3 aspect ratio
<b>Center-to-Corner Uniformity</b>	90%
<b>Contrast</b>	5,000:1 (full on / full off, LAMP POWER: AUTO, Iris on, Dynamic mode)
<b>Scanning Frequency   Display Port/HDMI/DVI-D</b>	fH: 15-100 kHz, fV: 24-120 Hz, dot clock: 25 MHz-162 MHz (VGA: 640 x 480 pixels to WUXGA: 1,920 x 1,200 pixels, VESA CVT-RB compliant, compatible with HDCP)
<b>Scanning Frequency   RGB</b>	fH: 15-100 kHz, fV: 24-120 Hz, dot clock: up to 162 MHz
<b>Scanning Frequency   YPBPR (YCBCR)</b>	480i (525i): fH 15.73 kHz; fV 59.94 Hz, 576i (625i): fH 15.63 kHz; fV 50 Hz, 480p (525p): fH 31.47 kHz; fV 59.94 Hz, 576p (625p): fH 31.25 kHz; fV 50 Hz, 720 (750)/60p: fH 45.00 kHz; fV 60 Hz, 720 (750)/50p: fH 37.50 kHz; fV 50 Hz, 1080 (1125)/60i: fH 33.75 kHz; fV 60 Hz, 1080 (1125)/50i: fH 28.13 kHz; fV 50 Hz, 1080 (1125)/25p: fH 28.13 kHz; fV 25 Hz, 1080 (1125)/24p: fH 27.00 kHz; fV 24 Hz, 1080 (1125)/24sF: fH 27.00 kHz; fV 48 Hz, 1080 (1125)/30p: fH 33.75 kHz; fV 30 Hz, 1080 (1125)/60p: fH 67.50 kHz; fV 60 Hz, 1080 (1125)/50p: fH 56.25 kHz; fV 50 Hz
<b>Scanning Frequency   Video/Y/C</b>	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]
<b>Optical Axis Shift</b>	Vertical: ±50% (powered), horizontal: ±10% (powered) NOTE: Optical axis shift function cannot be operated when used with the ET-ELW21.
<b>Keystone Correction Range</b>	Vertical: ±40° (with vertical correction only) Horizontal: ±30° (with horizontal correction only)
<b>Installation</b>	Ceiling/floor, front/rear
<b>Built-in Speaker   Size</b>	3.7 cm (1-15/32 inches) (round) x 1
<b>Built-in Speaker   Output Power</b>	10 W
<b>Terminals   Display Port In</b>	DP-20P x 1, HDCP compatible 480p(525p), 576p(625p), 720(750)/60p, 720(750)/50p, 1080(1125)/60i, 1080(1125)/50i, 1080(1125)/25p, 1080(1125)/24p, 1080(1125)/24sF, 1080(1125)/30p, 1080(1125)/60p, 1080(1125)/50p VGA (640 x 400) - WUXGA (1,920 x 1,200) Audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
<b>Terminals   HDMI In</b>	HDMI 19-pin x 1, Deep Color, HDCP compatible 480i(525i), 576i(625i), 480p(525p), 576p(625p), 720(750)/60p, 720(750)/50p, 1080(1125)/60i, 1080(1125)/50i, 1080(1125)/25p, 1080(1125)/24p, 1080(1125)/24sF, 1080(1125)/30p, 1080(1125)/60p, 1080(1125)/50p VGA (640 x 400) - WUXGA (1,920 x 1,200) Audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)

<b>Terminals   DVI-D In</b>	DVI-D 24-pin x 1, DVI 1.0 compliant, compatible with HDCP, compatible with single link only 480i(525i), 576i(625i)*3, 480p(525p), 576p(625p), 720(750)/60p, 720(750)/50p, 1080(1125)/60i, 1080(1125)/50i, 1080(1125)/25p, 1080(1125)/24p, 1080(1125)/24sF, 1080(1125)/30p, 1080(1125)/60p, 1080(1125)/50p VGA (640 x 400) - WUXGA (1,920 x 1,200)
<b>Terminals   RGB 1 In</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   RGB 1 In   R, G, B</b>	R: 0.7 Vp-p, 75 ohms; G: 0.7 Vp-p (1.0 Vp-p for sync on G), 75 ohms; B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: high impedance, TTL (positive/negative)
<b>Terminals   RGB 1 In   Y, PB, PR (Y, CB, CR)</b>	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
<b>Terminals   RGB 2 In</b>	BNC x 5 (RGB/YBPBR/YCBCR x 1)
<b>Terminals   RGB 2 In   R, G, B</b>	R: 0.7 Vp-p, 75 ohms; G: 0.7 Vp-p (1.0 Vp-p for sync on G), 75 ohms; B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: high impedance, TTL (positive/negative) NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
<b>Terminals   RGB 2 In   Y, PB, PR (Y, CB, CR)</b>	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
<b>Terminals   RGB 2 In   S-Video In</b>	Y: 1.0 Vp-p; C: 0.286 Vp-p, 75 ohms
<b>Terminals   Video In</b>	PIN Jack x 1, 1.0 Vp-p, 75 ohms
<b>Terminals   Monitor Out</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   Monitor Out   R, G, B</b>	R: 0.7 Vp-p, 75 ohms; G: 0.7 Vp-p (1.0 Vp-p for sync on G), 75 ohms; B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: high impedance, TTL (positive/negative)
<b>Terminals   Monitor Out   Y, PB, PR (Y, CB, CR)</b>	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
<b>Terminals   Audio In</b>	M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more PIN Jack (L, R) x 2, 0.5 Vrms, input impedance: 22 kilohms or more
<b>Terminals   Variable Audio Out</b>	M3 (L, R) x 1 (monitor out: 0 - 2.0 Vrms, variable)
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1, for external control (RS-232C compliant)
<b>Terminals   Remoter 1 In</b>	M3 jack x 1 for wired remote control
<b>Terminals   Remoter 2 In</b>	D-sub 9-pin (female) x 1, for external control (parallel)
<b>Terminals   LAN/DIGITAL LINK</b>	RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PLink™ (class 1), Deep Color, compatible with HDCP, 480i(525i), 576i(625i)*3, 480p(525p), 576p(625p), 720(750)/60p, 720(750)/50p, 1080(1125)/60i, 1080(1125)/50i, 1080(1125)/25p, 1080(1125)/24p, 1080(1125)/24sF, 1080(1125)/30p, 1080(1125)/60p, 1080(1125)/50p VGA (640 x 400) - WUXGA (1,920 x 1,200), dot clock: 25 MHz -162 MHz NOTE: Compatible with non-interlaced signals only.
<b>Power Cord Length</b>	3.0 m (9 ft 10 in)
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D)</b>	PT-EX800Z 530 x 177 x 445 mm (20-7/8 x 6-31/32 x 17-17/32 inches) (with supplied lens)  PT-EX800ZL 530 x 177 x 385 mm (20-7/8 x 6-31/32 x 15-5/32 inches) (without lens)
<b>Weight</b>	PT-EX800Z Approx. 10.6 kg (23.4 lbs) (with supplied lens)  PT-EX800ZL Approx. 9.8 kg (21.6 lbs) (without lens)
<b>Operating Noise</b>	37 dB (LAMP POWER: NORMAL), 31 dB (LAMP POWER: ECO 1), 29 dB (LAMP POWER: ECO 2)
<b>Operating Temperature</b>	0-45 °C (32-113 °F)
<b>Operating Humidity</b>	10%-80% (no condensation)
<b>Technology</b>	LCD

