



LCD, 5,400 lumens, WUXGA, Digital Link

PT-EZ590

Compact and powerful LCD projectors Designed to light up lecture theaters and conference rooms

Key Features

LCD, 5,400 lumens, WUXGA

High brightness and high resolution in compact and lightweight body

Dust resistant cabinet and up to 15,000 hours maintenance free Eco Filter

Powered with lens-shift and a wide range of optional lenses

10,000:1 contrast ratio (in high contrast mode)



PT-EZ590

<https://ap.connect.panasonic.com/m/en/products/projectors/pt-ez590>

Power Supply	AC100 - 240V 5.5 - 2.3A 50Hz/60Hz
Power Consumption	484W
Power Consumption Standby Mode (Eco)	0.5W, 0.3W (Taiwan)
Power Consumption Standby Mode (Normal)	12W
Power Consumption Standby Mode (Normal and Audio Monitor Out)	30W
BTU Value	Max 1,651 BTU
LCD Panel Panel Size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
LCD Panel Display Method	Transparent LCD panel (x 3, R/G/B)
LCD Panel Drive Method	Active matrix
LCD Panel Pixels	2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels
Lens	Powered zoom (throw ratio 1.22-2.26:1), powered focus, F 1.6-2.2, f 17.1-31.7 mm
Lamp	320W UHM lamp Lamp replacement cycle 4,000 hours (lamp power: Normal), 5,000 hours (lamp power: Eco) This is the maximum value when the lamp is turned on for 2 hours and off for 0.25 hours.
Screen Size	1.02- 10.16 m (40-400 inches) (16:10 aspect ratio)
Brightness	5,400 lumens (Lamp power: Normal, Dynamic mode, Iris off, Daylight View:off, Auto Power Save:off)
Center-to-Corner Uniformity	90%
Contrast	10,000:1 (Lamp power: Normal, Dynamic mode, Iris on, Daylight View:off, Auto Power Save:off)
Resolution	1,920 x 1,200 pixels (WUXGA)
Scanning Frequency HDMI/DIGITAL LINK	fH: 15- 90kHz, fV: 24 - 100Hz, dot clock: 25 - 162 MHz
Scanning Frequency RGB	fH: 15- 90kHz, fV: 24 - 100Hz, dot clock: 162 MHz or lower
Scanning Frequency YPBPR (YCBCR)	525i (480i): fH15.73 kHz; fV59.94 Hz, 625i (576i): fH15.63 kHz; fV50 Hz, 525p (480p): fH31.47 kHz; fV60 Hz, 625p (576p): fH31.25 kHz; fV50 Hz, 750 (720)/60p: fH45.00 kHz; fV60 Hz, 750 (720)/50p: fH37.50 kHz; fV50 Hz, 1125 (1080)/60i: fH33.75 kHz; fV60 Hz, 1125 (1080)/50i: fH28.13 kHz; fV50 Hz, 1125 (1080)/25p: fH28.13 kHz; fV25 Hz, 1125 (1080)/24p: fH27.00 kHz; fV24 Hz, 1125 (1080)/24sF: fH27.00 kHz; fV48 Hz, 1125 (1080)/30p: fH33.75 kHz; fV30 Hz, 1125 (1080)/60p: fH67.50 kHz; fV60 Hz, 1125 (1080)/50p: fH56.25 kHz; fV50 Hz
Scanning Frequency Video/S-Video	fH: 15.75 kHz, fV: 59.94 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]
Keystone Correction Range	Vertical: ±40 °, horizontal: ±20 ° (up to a total of ±60 ° during simultaneous horizontal and vertical correction)
Optical Axis Shift	Vertical: ±60% (powered) Horizontal: ±30% (powered)
Installation	Ceiling/oor, front/rear
Speaker	4.0 cm (1-9/16 in) (monaural) x 1
Terminals HDMI In 1/HDMI In 2	HDMI 19-pin x2, Deep Color, compatible with HDCP, Audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
Terminals DIGITAL LINK In	RJ-45 x 1 (HDBase™ compatible), Deep Color, compatible with HDCP, Audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
Terminals RGB 1 In	BNC x 5
Terminals RGB 1 In R, G, B	0.7 Vp-p, 75 ohms, (G: 1.0 Vp-p, 75 ohms for sync on G) H D/VD, SYNC: TTL, high impedance, positive/negative automatic
Terminals RGB 1 In Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PBPR(CBCR): 0.7 Vp-p, 75 ohms
Terminals RGB 1 In Y/C	Y: 1.0 Vp-p (including sync signal), C: 0.286 Vp-p, 75 ohms
Terminals RGB 2 In	D-sub HD 15-pin (female) x 1

Terminals RGB 2 In R, G, B	0.7 Vp-p, 75 ohms, (G: 1.0 Vp-p, 75 ohms for sync on G) H D/VD, SYNC: TTL, high impedance, positive/negative automatic NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
Terminals RGB 2 In Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PBPR(CBCR): 0.7 Vp-p, 75 ohms
Terminals Video In	Pin jack x 1, 1.0 Vp-p, 75 ohms
Terminals Monitor Out	D-sub HD 15-pin (female) x 1
Terminals Monitor Out R, G, B	0.7 Vp-p, 75 ohms, (G: 1.0 Vp-p, 75 ohms for sync on G) HD/VD, SYNC: TTL, high impedance, positive/negative automatic
Terminals Monitor Out Y, PB, PR	Y: 1.0 Vp-p (including sync signal), PBPR: 0.7 Vp-p, 75 ohms
Terminals Audio In 1/Audio In 2	M3 x 2, 0.5 Vrms, input impedance: 22 kilohms or mor
Terminals Audio In 3	Pin jack(L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
Terminals Variable Audio Out	M3 x 1 (monitor out, stereo) 0-2.0 Vrms, variable, output impedance: 2.2 kilohms or less
Terminals Serial In	D-sub 9 p x 1, for external control (RS-232C compliant)
Terminals Remoter 1 In	D-sub 9-pin (female) x1, for external control (parallel)
Terminals Remoter 2 In	M3 jack x 1 for wired remote control
Terminals LAN	RJ-45 x 1 for network connection 10Base-T/100Base-TX, compatible with Art-Net, PLink™(Class 1)
Terminals Wireless	USB Type A x 1, for wireless projection with optional dongle (ET-WML100)
Terminals DC Out	USB Type A x 1, for power supply (DC5 V, max 900 mA)
Power Cord Length	3.0 m (9 ft10 in)
Cabinet Materials	Molded plastic
Dimensions (W x H x D)	498 x 145*3 x 398.3mm (19-19/32 x 5-11/16*3 x 15-11/16 in) with supplied lens
Weight	Approx. 8.4kg (18.5lbs)
Operating Noise	29 dB (Silent), 35 dB (Normal/Eco)
Operating Environment Operating Temperature	0-45 °C (32-113 °F) * 5
Operating Environment Operating Humidity	20%-80% (no condensation)
Technology	LCD