



LCD, 5,000 lumens, WUXGA, 16,000:1 contrast ratio

PT-VZ580

Bring native Full HD video to big screens in small places. Designed for education and corporate applications

Key Features

LCD, 5,000 lumens, WUXGA

High brightness and high resolution in compact and lightweight body

Long lamp and filter replacement cycle up to 7,000 hours

16,000:1 contrast ratio

PT-VZ580

<https://ap.connect.panasonic.com/p/h/en/products/projectors/pt-vz580>

| | |
|---|--|
| Power Supply | AC 100-240 V, 50/60 Hz |
| Power Consumption *1 | 400 W (North America), 410 W (other countries) When [STANDBY MODE] is set to [ECO] : approx. 0.3 W (North America, Taiwan), approx. 0.5 W (Other countries) When [STANDBY MODE] is set to [NORMAL] and [IN STANDBY MODE] of [AUDIO SETTING] is set to [OFF]: approx. 12 W |
| BTU Value | 1,365 BTU (North America), 1,399 BTU (Other countries) |
| LCD Panel Panel Size | 16.3 mm (0.64 inches) diagonal (16:10 aspect ratio) |
| LCD Panel Display Method | Transparent LCD panel (x 3, R/G/B) |
| LCD Panel Drive Method | Active matrix method |
| LCD Panel Pixels | 2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels |
| Lens | Manual zoom (1.6x), manual focus, F 1.6-2.12, f 15.30 - 24.64 mm |
| Lens Throw Ratio | 1.09-1.77:1 |
| Lamp | 280 W UHM lamp |
| Projection Size | 0.76-7.62 m (30-300 inches) diagonally, 16:10 aspect ratio |
| Colors | Full color (16,777,216 colors) |
| Light Output *2 | 5,000 lumens (Lamp power: Normal, Dynamic mode, Iris off, Daylight View:off, Auto Power Save:off) |
| Center-to-Corner Uniformity | 85% |
| Contrast Ratio*2 | 16,000:1(all white/all black, Image mode:Dynamic, Lamp power: Normal, Iris: On) |
| Resolution | 1920 x 1200 pixels (Input signals that exceed this resolution will be converted to 1920 x 1200 pixels.) |
| Lamp Replacement Cycle | Normal: 5,000 hours, Eco1: 6,000 hours, Eco2: 7,000 hours |
| Filter Replacement Cycle | 7,000 hours (Period varies depending on usage environment. It can be washed and reused up to 2 times.) |
| Scanning Frequency HDMI/DIGITAL LINK | •Moving image signal resolution: 480i (525i)*3, 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 Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interface) •Dot clock frequency: 25 MHz to 162 MHz |
| Scanning Frequency RGB | fH: 15- 91 kHz, fV: 24 - 100Hz, dot clock: 162 MHz or less |
| Scanning Frequency YPBPR (YCBCR) | 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 |
| Scanning Frequency Video | fH: 15.73 kHz / 15.63 kHz fV: 59.94 Hz / 50 Hz [NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM] |
| Installation | CEILING/DESK/AUTO, FRONT/REAR |
| Speaker | 4.0 cm round-type x 1 |
| Maximum Usable Volume Output | 10 W (monaural) |
| Optical Axis Shift | Vertical 0 - +44% from center of screen (manual) U/D ratio 17:1 (when on top end) |

| | |
|--|--|
| Terminals Computer 1 In | high-density D-Sub 15 p (female) [RGB signal] R: 0.7 Vp-p ,75 ohms, G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G) , 75 ohms, B: 0.7 Vp-p ,75 ohms HD, VD/SYNC: TTL, high impedance, positive/negative automatic [YPBPR signal] Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms |
| Terminals Computer 2 In/1 Out | high-density D-Sub 15 p (female) [RGB signal] R: 0.7 Vp-p ,75 ohms, G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G) , 75 ohms, B: 0.7 Vp-p ,75 ohms HD, VD/SYNC: TTL, high impedance, positive/negative automatic [YPBPR signal] Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms |
| Terminals Video In | Pin jack 1.0 Vp-p, 75 ohms |
| Terminals HDMI 1 In | HDMI 19 pin, HDCP and Deep color compatible Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz) |
| Terminals HDMI 2 In | HDMI 19 pin, HDCP and Deep color compatible Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz) |
| Terminals Audio In 1 | M3 stereo mini jack, 0.5 V[rms], input imedance 22 k ohms and more |
| Terminals Audio In 2 | M3 stereo mini jack, 0.5 V[rms], input imedance 22 k ohms and more |
| Terminals Audio In 3 | Pin jack x 2(L-R), 0.5 V[rms], input imedance 22 k ohms and more |
| Terminals Variable Audio Out | M3 stereo mini jack, 0 V[rms] to 2.0 V[rms] variable, output imedance 2.2 k ohms and less |
| Terminals USB A (DC Out) | USB connector (type A) |
| Terminals Serial In | D-sub 9 pin, RS-232C compliant, for computer control use |
| Terminals LAN | RJ-45, for network, PLink™ compatible, 100Base-TX |
| Power Cord Length | 3.0 m(9 ft 10 in)(India), 2.0 m(6 ft 7 in)(Other countries) |
| Cabinet Materials | Molded plastic |
| Dimensions (W x H x D) | 389 x 125*4x 332mm (15-5/16 x 4-29/32*4x 13-1/16 inches) |
| Weight *5 | Approx. 4.9 kg (10.8 lbs) |
| Noise Level *2 | 37dB (LAMP POWER: NORMAL/ECO1), 29dB (LAMP POWER: ECO2) |
| Operating Environment Temperature*6 | 0°C (32°F) to 40°C (104°F) (Elevation: below 1,200 m (3,937')) |
| Operating Environment Humidity | 20% to 80% (no condensation) |
| Note | Weights and dimensions shown are approximate. Specifications subject to change without notice. *1 When the Standby mode is set to Eco, network functions such as power on over the LAN network will not operate. Also, only certain commands can be received for external control using the serial terminal. *2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *3 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal) for 480i(525i) and 576i(625i) *4 When adjustable feet shortened. *5 Average value. May differ depending on models. *6 If [LAMP POWER] set to [NORMAL], [LAMP MODE] will be switched to [ECO1] automatically when the operating environment temperature is 35°C (95°F) to 40°C (104°F). |
| Technology | LCD |
| Brightness | 5000 lumens |