



PT-VZ470



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<https://eu.connect.panasonic.com/hu/en/products/projectors/pt-vz470>

Power Supply	AC 120 V, 50/60 Hz (North America), AC 100-240 V, 50/60 Hz (other countries)
Power Consumption	372 W (North America), 378 W (other countries) 0.2 W when STANDBY MODE set to ECO*1 (North America), 0.4 W when STANDBY MODE set to ECO*1 (other countries) 8 W when STANDBY MODE set to NORMAL (20 W at rated audio output.)
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 (1,920 x 1,200) x 3, total of 6,912,000 pixels
Lens	Manual zoom (1.6x), manual focus, F 1.60-2.12, f 15.30 - 24.64 mm
Throw Ratio	1.1-1.8:1
Lamp	270 W UHM lamp
Screen Size	0.76-7.62 m (30-300 inches) diagonally, 16:10 aspect ratio
Colors	Full color (16,777,216 colors)
Brightness*2	4,400 lumens (Input signals: PC, Lamp power: Normal, Picture mode: Dynamic)
Center-to-Corner Uniformity*2	85%
Contrast*2	1,0000:1 (full on/off, Input signals: PC, Lamp power: Normal, Picture mode: Dynamic, Iris: on)
Resolution	WUXGA 1,920 x 1,200 pixels
Scanning Frequency HDMI	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 640 x 480 - 1920 x 1200 (non-interlace) dot clock: 25- 162 MHz, HDCP compatible
Scanning Frequency RGB	fH: 15 - 91 kHz, fV: 24 - 100 Hz, dot clock: 162 MHz or lower
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/S-Video	fH: 15.73 kHz/15.63 kHz, fV: 59.94 Hz/50 Hz [NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM]
Optical Axis Shift	Vertical 0 - +44% from center of screen (manual), U/D ratio on top end: 17:1
Keystone Correction Range	Vertical: maximum $\pm 25^\circ$ (auto/manual, input: WUXGA), Horizontal: maximum $\pm 30^\circ$ (manual, input: WUXGA)
Installation	Ceiling/desk, front/rear
Built-in Speaker Size	4 cm (1-9/16 inches) (round) x 1
Built-in Speaker Output Power	10 W (monaural)

Terminals HDMI In	HDMI 19-pin x 2, Deep Color, HDCP compatible
	Audio signals: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)
Terminals Computer 1 In	D-sub HD 15-pin (female) x 1
Terminals Computer 1 In R, G, B	G: 0.7 Vp-p (1.0 Vp-p for sync on G), 75 ohms; B, R: 0.7 Vp-p, 75 ohms; HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible
Terminals Computer 1 In Y, PB (CB), PR (CR)	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
Terminals Computer 1 In S-Video	Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms
Terminals Computer 2 In/1 Out	D-sub HD 15-pin (female) x 1, (input/output switching)
Terminals Computer 2 In/1 Out R, G, B	G: 0.7 Vp-p (1.0 Vp-p for sync on G), 75 ohms; B, R: 0.7 Vp-p, 75 ohms; HD/SYNC TTL high impedance, automatic positive/negative polarity compatible VD TTL high impedance, automatic positive/negative polarity compatible
Terminals Computer 2 In/1 Out Y, PB (CB), PR (CR)	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
Terminals Video In	Pin jack x 1, 1.0 Vp-p, 75 ohms
Terminals Audio In 1	M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
Terminals Audio In 2/MIC In	M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
Terminals Audio In 3	Pin jack (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
Terminals Audio Out	M3 (L, R) x 1 (monitor out, stereo) 0-2.0 Vrms, variable, output impedance: 22 kilohms or less
Terminals Serial In	D-sub 9-pin (female) x 1, for external control (RS-232C compliant)
Terminals LAN	RJ-45 x 1, for network connection, 100BASE-TX / 10BASE-TX, compliant with PLink™
Power Cord Length	2.0 m* (6 ft 7 in) *PT-VZ470D(for India): 3.0 m (9 ft 10 in)
Cabinet Materials	Molded plastic
Dimensions (W x H x D)	389 x 125*4 x 332*5 mm (15-5/16 x 4-29/32*4 x 13-1/16*5 inches)
Weight	Approx. 4.8 kg (10.6 lbs)
Operation Noise*2	37 dB (LAMP POWER: NORMAL), 29 dB (LAMP POWER: ECO)
Operating Temperature	0-40
Operating Humidity	20%-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) *4 With legs at shortest position. *5 Include protruding parts. *6 Average value. May differ depending on models.
Brightness	4400 lumens
Technology	WUXGA