



**PT-VZ470**



## PT-VZ470

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

<b>Power Supply</b>	AC 120 V, 50/60 Hz (North America), AC 100-240 V, 50/60 Hz (other countries)
<b>Power Consumption</b>	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.)
<b>LCD Panel   Panel Size</b>	16.3 mm (0.64 inches) diagonal (16:10 aspect ratio)
<b>LCD Panel   Display Method</b>	Transparent LCD panel (x 3, R/G/B)
<b>LCD Panel   Drive Method</b>	Active matrix method
<b>LCD Panel   Pixels</b>	2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels
<b>Lens</b>	Manual zoom (1.6x), manual focus, F 1.60-2.12, f 15.30 - 24.64 mm
<b>Throw Ratio</b>	1.1-1.8:1
<b>Lamp</b>	270 W UHM lamp
<b>Screen Size</b>	0.76-7.62 m (30-300 inches) diagonally, 16:10 aspect ratio
<b>Colors</b>	Full color (16,777,216 colors)
<b>Brightness*2</b>	4,400 lumens (Input signals: PC, Lamp power: Normal, Picture mode: Dynamic)
<b>Center-to-Corner Uniformity*2</b>	85%
<b>Contrast*2</b>	1,0000:1 (full on/off, Input signals: PC, Lamp power: Normal, Picture mode: Dynamic, Iris: on)
<b>Resolution</b>	WUXGA 1,920 x 1,200 pixels
<b>Scanning Frequency   HDMI</b>	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
<b>Scanning Frequency   RGB</b>	fH: 15 - 91 kHz, fV: 24 - 100 Hz, dot clock: 162 MHz or lower
<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/S-Video</b>	fH: 15.73 kHz/15.63 kHz, fV: 59.94 Hz/50 Hz [NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM]
<b>Optical Axis Shift</b>	Vertical 0 - +44% from center of screen (manual), U/D ratio on top end: 17:1
<b>Keystone Correction Range</b>	Vertical: maximum ±25° (auto/manual, input: WUXGA), Horizontal: maximum ±30° (manual, input: WUXGA)
<b>Installation</b>	Ceiling/desk, front/rear
<b>Built-in Speaker   Size</b>	4 cm (1-9/16 inches) (round) x 1
<b>Built-in Speaker   Output Power</b>	10 W (monaural)

<b>Terminals   HDMI In</b>	HDMI 19-pin x 2, Deep Color, HDCP compatible
	Audio signals: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)
<b>Terminals   Computer 1 In</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   Computer 1 In   R, G, B</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
<b>Terminals   Computer 1 In   Y, PB (CB), PR (CR)</b>	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
<b>Terminals   Computer 1 In   S-Video</b>	Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms
<b>Terminals   Computer 2 In/1 Out</b>	D-sub HD 15-pin (female) x 1, (input/output switching)
<b>Terminals   Computer 2 In/1 Out   R, G, B</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
<b>Terminals   Computer 2 In/1 Out   Y, PB (CB), PR (CR)</b>	Y: 1.0 Vp-p (including sync signal); PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
<b>Terminals   Video In</b>	Pin jack x 1, 1.0 Vp-p, 75 ohms
<b>Terminals   Audio In 1</b>	M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
<b>Terminals   Audio In 2/MIC In</b>	M3 (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
<b>Terminals   Audio In 3</b>	Pin jack (L, R) x 1, 0.5 Vrms, input impedance: 22 kilohms or more
<b>Terminals   Audio Out</b>	M3 (L, R) x 1 (monitor out, stereo) 0-2.0 Vrms, variable, output impedance: 22 kilohms or less
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1, for external control (RS-232C compliant)
<b>Terminals   LAN</b>	RJ-45 x 1, for network connection, 100BASE-TX / 10BASE-TX, compliant with PLink™
<b>Power Cord Length</b>	2.0 m* (6 ft 7 in) *PT-VZ470D(for India): 3.0 m (9 ft 10 in)
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D)</b>	389 x 125*4 x 332*5 mm (15-5/16 x 4-29/32*4 x 13-1/16*5 inches)
<b>Weight</b>	Approx. 4.8 kg (10.6 lbs)
<b>Operation Noise*2</b>	37 dB (LAMP POWER: NORMAL), 29 dB (LAMP POWER: ECO)
<b>Operating Temperature</b>	0-40
<b>Operating Humidity</b>	20%-80% (no condensation)
<b>Note</b>	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.
<b>Brightness</b>	4400 lumens
<b>Technology</b>	WUXGA