



LCD, 5,500 lumens, XGA, 16,000:1 contrast ratio

## PT-VX610

High brightness in compact and lightweight body. Designed for education and corporate applications

### Key Features

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LCD, 5,500 lumens, XGA

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

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16,000:1 contrast ratio



## PT-VX610

<https://eu.connect.panasonic.com/se/en/products/projectors/pt-vx610>

<b>Power Supply</b>	AC 100-240 V, 50/60 Hz
<b>Power Consumption *1</b>	385 W (North America), 400 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
<b>BTU Value</b>	1,314 BTU (North America), 1,365 BTU (Other countries)
<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 (1920 x 1200) x 3, total of 6,912,000 pixels
<b>Lens</b>	Manual zoom (1.6x), manual focus, F 1.6- 1.9, f 15.31 - 24.64 mm
<b>Lens   Throw Ratio</b>	1.17-1.90:1
<b>Lamp</b>	280 W UHM lamp
<b>Projection 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>Light Output *2</b>	5,500 lumens (Lamp power: Normal, Dynamic mode, Iris off, Daylight View:off, Auto Power Save:off)
<b>Center-to-Corner Uniformity</b>	85%
<b>Contrast Ratio*2</b>	16,000:1(all white/all black, Image mode:Dynamic, Lamp power: Normal, Iris: On)
<b>Resolution</b>	1024 x 768 pixels (Input signals that exceed this resolution will be converted to 1024 x 768 pixels.)
<b>Lamp Replacement Cycle</b>	Normal: 5,000 hours, Eco1: 6,000 hours, Eco2: 7,000 hours
<b>Filter Replacement Cycle</b>	7,000 hours (Period varies depending on usage environment. It can be washed and reused up to 2 times.)
<b>Scanning Frequency   HDMI/DIGITAL LINK</b>	•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-interlace) •Dot clock frequency: 25 MHz to 162 MHz
<b>Scanning Frequency   RGB</b>	fH: 15- 91kHz, fV: 24 - 100Hz, dot clock: 162 MHz or less
<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</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>Installation</b>	CEILING/DESK/AUTO, FRONT/REAR
<b>Speaker</b>	4.0 cm round-type x 1
<b>Maximum Usable Volume Output</b>	10 W (monaural)

<b>Optical Axis Shift</b>	Vertical 0 - +40% from center of screen (manual) U/D ratio 9:1 (when on top end)
<b>Terminals   Computer 1 In</b>	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
<b>Terminals   Computer 2 In/1 Out</b>	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
<b>Terminals   Video In</b>	Pin jack 1.0 Vp-p, 75 ohms
<b>Terminals   HDMI 1 In</b>	HDMI 19 pin, HDCP and Deep color compatible  Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz)
<b>Terminals   HDMI 2 In</b>	HDMI 19 pin, HDCP and Deep color compatible  Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz)
<b>Terminals   Audio In 1</b>	M3 stereo mini jack, 0.5 V[rms], input imedance 22 k ohms and more
<b>Terminals   Audio In 2</b>	M3 stereo mini jack, 0.5 V[rms], input imedance 22 k ohms and more
<b>Terminals   Audio In 3</b>	Pin jack x 2(L-R), 0.5 V[rms], input imedance 22 k ohms and more
<b>Terminals   Variable Audio Out</b>	M3 stereo mini jack, 0 V[rms] to 2.0 V[rms] variable, output imedance  2.2 k ohms and less
<b>Terminals   USB A (DC Out)</b>	USB connector (type A)
<b>Terminals   Serial In</b>	D-sub 9 pin, RS-232C compliant, for computer control use
<b>Terminals   LAN</b>	RJ-45, for network, PLink™ compatible, 100Base-TX
<b>Power Cord Length</b>	3.0 m(9 ft 10 in)(India), 2.0 m(6 ft 7 in)(Other countries)
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D)</b>	389 x 125*4x 332mm  (15-5/16 x 4-29/32*4x 13-1/16 inches)
<b>Weight *5</b>	Approx. 4.9 kg (10.8 lbs)
<b>Noise Level *2</b>	37dB (LAMP POWER: NORMAL/ECO1), 29dB (LAMP POWER: ECO2)
<b>Operating Environment   Temperature*6</b>	0°C (32°F) to 40°C (104°F) (Elevation: below 1,200 m (3,937'))
<b>Operating Environment   Humidity</b>	20% to 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) 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).
<b>Brightness</b>	5500 lumens
<b>Technology</b>	LCD