High-performance, high-brightness portable projectors made for collaboration

PT-VW545N

LCD, 5300 lumens, WXGA,16,000:1 contrast ratio, various wireless functions

Portable LCD Projectors
PT-VZ580/VZ585N/VX610/
VX615N/VW540/VW545N

KEY FEATURES

- LCD, 5300 lumens, WXGA

- Various Wireless Function
  - \>> Wi-Fi Cirtified Miracast with Moderator mode
  - \>> Easy Wireless pairing support

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

- 16,000:1 contrast ratio

	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610
Brightness	5.000 lm	5.000 lm	5.500 lm	5.500 lm	5.500 lm	5.500 lm
Resolution	WUXGA	WUXGA	WXGA	WXGA	XGA	XGA
Contrast	16.000:1	16.000:1	16.000:1	16.000:1	16.000:1	16.000:1

- **Portable projectors with increased brightness**
- **Increased contrast ratio gives even sharper images**
- **Filter lasts twice as long**
- **Easier to connect wirelessly**

- **Flexible wired installation**

On the bright side – up to 5500lm brightness

With high brightness ranging from 5000lm to 5500lm, the PT-VZ580 series of portable projectors is at least 200lm brighter than the VZ570 series. You can expect deep blacks, pure highlights, crisp graphics and easy-to-read text.

Picture perfect images

A winning formula for imaging brilliance is complemented by a high 16000:1 contrast ratio. The PT-VZ580 series features resolutions from XGA to WUXGA, bringing native Full HD video to big screens in small spaces. This gives pin-sharp, detailed images for an immersive viewing experience. With the colour adjustment and correction function you can easily correct for slight variations in the colour reproduction range when using multiple projection, particularly in side-by-side configuration.

SPECIFICATIONS

Power Supply	AC 100-240 V, 50/60 Hz
Power Consumption *1	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
BTU Value	1,314 BTU (North America), 1,365 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- 1.9, f 15.31 - 24.64 mm
**Lens	Throw Ratio**	1.08-1.76:1
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	5,500 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	1280 x 800 pixels (Input signals that exceed this resolution will be converted to 1280 x 800 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-interlace) •Dot clock frequency: 25 MHz to 162 MHz
**Scanning Frequency	RGB**	fH: 15- 91kHz, 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 (Viewer/Pairing)	USB connector (type A)
Terminals | USB B (Diplay)	USB connector (type B)
Terminals | Serial In	D-sub 9 pin, RS-232C compliant, for computer control use
Terminals | DIGITAL LINK/LAN	RJ-45, for network, DIGITAL LINK connection, PJLink™ 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 k g (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')) 0°C (32°F) to 30°C (86°F) (Elevation: 1,200 m (3,937') - 2,700m (8,858'))
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).
Brightness	5300 lumens
Technology	LCD

URL: https://business.panasonic.co.uk/visual-system/pt-vw545n-0

CONTACT

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