Panasonic
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PRELIMINARY
As of January 2012

PT-VW430 Series
LCD Projectors

Available from May 2012
(PT-VW435N/VX505N are available from July 2012)

Brightness, Light Weight, and Eco Performance All in One

PT-**VW430**	PT-**VX500**	PT-**VW435N**	PT-**VX505N**
4,000 lm	5,000 lm	4,000 lm	5,000 lm
WXGA (1,280 × 800)	XGA (1,024 × 768)	WXGA (1,280 × 800)	XGA (1,024 × 768)
–	–	Wireless function	Wireless function

Superb Functions in a Compact and Lightweight Body

- A full 5,000 lm*1 of brightness and 3,000:1*2 contrast.
- Lamp replacement cycle of up to 4,000*3 hours.
- A large air filter enables replacement cycle of up to 4,000*4 hours.
- Quiet 29 dB design does not interrupt meetings. (LAMP POWER: ECO)
- Daylight View Basic technology ensures easy-to-see, clear images even in brightly lit rooms.

Ecology-Conscious Features

- Environment-friendly, low standby power consumption of 0.5 W (STANDBY MODE: ECO).*5
- RoHS compliant.
- Eup Lot 6 compliant.

Convenient Functions for Portable and Ceiling-Mounted Applications

- 1.6x zoom lens allows flexible installation.
- The lamp are easily replaced from the top.
- Easy setup thanks to vertical real-time keystone correction, auto input signal search, and input guidance function.
- Abundant terminals including HDM I and two sets of RGB input terminals. RGB 2 IN can be switched to RGB 1 OUT for loop-through monitoring.
- Built-in 10 W speaker and a microphone input terminal.
- Multi Projector Monitoring & Control Software allows multiple projectors to be managed together over a wired LAN.
- Web browser control over a wired LAN.
- PJLink™ compatibility.
- Compatible with Creston RoomView™.
- Direct Power Off allows the room's main power to be turned off immediately after use.
- The startup screen can be customized using the Logo Transfer software*5 from the Panasonic website to customize the projector and/or for theft prevention.
- Projector identification capability for remote control allocation of up to six projectors.
- Password function.
- Carrying bag supplied.
- High-speed wireless projection from multiple PCs. (PT-VW435N/VX505N)
- Latest Wireless Manager ME 6.0.
- Wireless Projection from iPad/iPhone or iPod touch. (PT-VW435N/VX505N)
- USB Display Function for easy projection using a USB cable. (PT-VW435N/VX505N)
- USB Memory Viewer for projection without a PC. (PT-VW435N/VX505N)
- Closed caption decoder built-in for the US market.

*1 The PT-VX500/VX505N has 5,000 lm and the PT-VW430/VW435N has 4,000 lm of brightness.
*2 With the iris on.
*3 With the LAMP POWER set to ECO. Up to 2,500 hours with the LAMP POWER set to NORMAL. The usage environment affects the lamp replacement cycle.
*4 The usage environment affects the duration of the filter.
*5 When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.
*6 Compatible with Windows® XP, Windows Vista®, and Windows® 7. Uploadable still images are limited to 1,024 × 768 pixel bitmap files. Also, the application will reduce the number of colors to 191.

Specifications (Tentative)

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Model	PT-**VW430**	PT-**VX500**	PT-**VW435N**	PT-**VX505N**
Power supply	100–240 V AC, 50/60 Hz			
Power consumption	365 W (0.5 W with STANDBY MODE set to ECO;*1 8.9 W with STANDBY MODE set to NETWORK.)		368 W (0.5 W with STANDBY MODE set to ECO;*1 11.9 W with STANDBY MODE set to NETWORK.)	
LCD panel — Panel size	15.1 mm (0.59″) diagonal (16:10 aspect ratio)	16.0 mm (0.63″) diagonal (4:3 aspect ratio)	15.1 mm (0.59″) diagonal (16:10 aspect ratio)	16.0 mm (0.63″) diagonal (4:3 aspect ratio)
Display method	Transparent LCD panel (× 3, R/G/B)	Transparent LCD panel (× 3, R/G/B)	Transparent LCD panel (× 3, R/G/B)	Transparent LCD panel (× 3, R/G/B)
Drive method	Active matrix	Active matrix	Active matrix	Active matrix
Pixels	1,024,000 (1,280×800) × 3, total of 3,072,000 pixels	786,432 (1,024 × 768) × 3, total of 2,359,296 pixels	1,024,000 (1,280×800) × 3, total of 3,072,000 pixels	786,432 (1,024 × 768) × 3, total of 2,359,296 pixels
Lens	Manual 1.6× zoom (1.18–1.90:1), manual focus F 1.60–2.12, f 15.30–24.64 mm,			
Lamp	280 W UHM lamp × 1			
Lamp replacement cycle	2,500 hours*2 (LAMP POWER: NORMAL), 4,000 hours*2 (LAMP POWER: ECO)			
Screen size (diagonal)	1.02–10.16 m (30–300 in), 16:10 aspect ratio	1.02–10.16 m (30–300 in), 4:3 aspect ratio	1.02–10.16 m (30–300 in), 16:10 aspect ratio	1.02–10.16 m (30–300 in), 4:3 aspect ratio
Brightness*3	4,000 lm*4	5,000 lm*4	4,000 lm*4	5,000 lm*4
Center-to-corner uniformity*3	85 %			
Contrast*3	3,000:1 (full on/off. LAMP POWER: NORMAL with iris on, PICTURE MODE: DYNAMIC.)			
Resolution	1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels.)	1,024 × 768 pixels (Input signals that exceed this resolution will be converted to 1,024 × 768 pixels.)	1,280 × 800 pixels (Input signals that exceed this resolution will be converted to 1,280 × 800 pixels.)	1,024 × 768 pixels (Input signals that exceed this resolution will be converted to 1,024 × 768 pixels.)
Scanning frequency — HDMI	fH: 25–80 kHz, fV: 50–85 Hz, dot clock: 162 MHz or lower			
RGB	fH: 15–100 kHz, fV: 50–100 Hz, dot clock: 140 MHz or lower			
YPBPR (YCBCR)	fH: 15.75 kHz, fV: 60 Hz [480i (525i)] / fH: 31.25 kHz, fV: 50 Hz [576p (625p)] / fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i] fH: 31.50 kHz, fV: 60 Hz [480p (525p)] / fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p] / fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i] fH: 15.63 kHz, fV: 50 Hz [576i (625i)] / fH: 37.50 kHz, fV: 50 Hz [720 (750)/50p]			
Video/S-Video	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]			
Optical axis shift	Vertical: +48 %	Vertical: +40 %	Vertical: +48 %	Vertical: +40 %
Keystone correction range	Vertical: ±30° (±20° with real-time keystone correction)			
Installation	Ceiling/floor, front/rear			
Terminals — HDMI IN	HDMI 19-pin × 1 (Deep Color, compatible with HDCP)			
COMPUTER 1 IN	D-Sub HD 15-pin (female) × 1 (RGB/YPBPR/YCBCR/Scart RGB × 1)			
COMPUTER 2 IN / 1 OUT	D-Sub HD 15-pin (female) × 1 (RGB × 1) (input/output selectable using on-screen menu)			
VIDEO IN	RCA × 1 (composite video)			
S-VIDEO IN	Mini DIN 4-pin × 1 (S-Video)			
VIDEO AUDIO IN	RCA (L-R × 1) × 2, for VIDEO/S-VIDEO			
COMPUTER 1 AUDIO IN	M3 (L, R) × 1			
COMPUTER 2 AUDIO IN	M3 (L, R) × 1, audio input or for microphone connection (variable)			
SERIAL IN	D-sub 9-pin (female) × 1, for external control (RS-232C compliant)			
LAN	RJ-45 × 1, for network connection (10Base-T/100Base-TX, compliant with PJLink™)			
USB A USB B	–		Type A × 1, for the USB Memory Viewer Type B × 1, for the USB Display and wireless mouse	
Built-in speaker	3.7 cm (1-15/32 in) round shape × 1, output power: 10.0 W (monaural)			
Operating noise*5	37 dB (LAMP POWER: NORMAL), 29 dB (LAMP POWER: ECO)			
Filter	× 2 (side and rear, electrified pleat filter), recommended replacement cycle: 4,000 hours*6			
Cabinet materials	Molded plastic (PC + ABS)			
Dimensions (W × H × D)	379 × 100*7 × 305 mm (14-15/16 × 3-15/16*7 × 12-1/32 in) (protruding parts not included)			
Weight*5	Approximately 5.0 kg (11.0 lbs) or less			
Operating environment	Operating temperature: 0 °C–40 °C (32 °F–104 °F)*8, operating humidity: 20%–80% (no condensation)			
Supplied accessories	Power cord, power cord holder/power cord cover, wireless remote control unit, batteries (R03/LR03/AAA type × 2), RGB cable, filter cover, Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software, Wireless Manager ME 6.0)			
Wireless — Standard Infrastructure mode Ad-hoc mode	–		IEEE802.11b/g/n WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES), WPA-EAP (TKIP/AES), WPA2-EAP (TKIP/AES), 128 bit/64 bit WEP 128 bit/64 bit WEP	

Optional accessories

Bracket assembly
ET-PKV200B

Ceiling mount bracket
ET-PKV100H (for high ceilings)
ET-PKV100S (for low ceilings)

Replacement lamp unit
ET-LAV200

Replacement filter unit
ET-RFV200

*1 When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.
*2 The usage environment affects the lamp replacement cycle.
*3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
*4 With the LAMP POWER set to Iris ON, PICTURE MODE set to DYNAMIC.
*5 Average value. May differ depending on models.
*6 The usage environment affects the duration of the filter.
*7 With legs at shortest position.
*8 When the ambient temperature is between 35 °C and 40 °C (95 °F and 104 °F), the LAMP POWER should be set to ECO.

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