

Panasonic

ideas for life

PT-VW430 Series
PT-VW330 Series
LCD Projectors

PT-VW435NU
PT-VW430U
PT-VX505NU
PT-VX500U

PT-VW330U
PT-VX400NTU
PT-VX400U



Advanced Portable Projectors
with High Brightness, Wireless Functions,*
and Abundant Features.



* Wireless function: PT-VW435NU/VX505NU/VX400NTU only.

Advanced Portable Projectors for Versatile Use



Presenting the PT-VW430 Series with its brighter, crisper projection, and the PT-VW330 Series with its versatile eco functions. Wireless-ready models are also available in both series.

This wide-ranging line-up supports every situation — from business to education.



* Featured image: PT-VW430 Series

PT-VW430 SERIES

Superbly Bright Portables

Portable projectors with distinctively high brightness of 5,000 lm* and 4,000:1* contrast. The Daylight View Basic function produces easy-to-see images even in bright rooms, and the new Wireless Manager ME 6.0 enables high-speed wireless projection.**

* PT-VX505NU/VX500U: 5,000 lm, 4,000:1 contrast. PT-VW435NU/VW430U: 4,300 lm, 3,500:1 contrast. ** Wireless projection: PT-VW435NU/VX505NU only.

NEW



PT-VW435NU

WXGA	4,300 lm	3,500:1
1.6x Zoom	Wireless Function	



PT-VW430U

WXGA	4,300 lm	3,500:1
1.6x Zoom		

NEW



PT-VX505NU

XGA	5,000 lm	4,000:1
1.6x Zoom	Wireless Function	



PT-VX500U

XGA	5,000 lm	4,000:1
1.6x Zoom		

PT-VW330 SERIES

Compact and Eco-friendly

Enhanced performance in a compact, lightweight body. Advanced Eco performance, Easy Setting and Wireless Projection set a new standard for portable projectors.*

* Easy Setting and Wireless Projection: PT-VX400NTU only.



PT-VW330U

WXGA	3,000 lm	2,000:1
1.6x Zoom	Side-by-Side/P-in-P	



PT-VX400NTU

XGA	4,000 lm	2,000:1
1.6x Zoom	Wireless Function	



PT-VX400U

XGA	4,000 lm	2,000:1
1.6x Zoom		

Superb Performance in a Compact Body

A Highly Bright Portable with 5,000 lm/4,300 lm*¹

VW435NU VW430U VX505NU VX500U

The PT-VX505NU/VX500U and PT-VW435NU/VW430U rank high in the portable projector category with their high brightness of 5,000 lm and 4,300 lm, respectively. All models also incorporate a variable iris that produces a high contrast of 4,000:1/3,500:1.*¹ This all combines to provide brighter, sharper projection for versatile situations.

4,000 lm/3,000 lm*² of Brightness in a Compact Body

VW330U VX400NTU VX400U

A remarkable 4,000 lm/3,000 lm*² of brightness have been achieved in a compact, easy-to-carry body, weighing only 7.9 lb [3.6 kg] or less.*³ Bright, clear images enhance a variety of viewing situations and applications.

The Daylight View Basic Function Ensures Clear Images Even in Brightly Lit Rooms

VW435NU VW430U VX505NU VX500U

Panasonic's Daylight View Basic technology achieves sharp, easy-to-see images by clearly reproducing the details in dark image areas, which were previously difficult to see in brightly lit rooms. A built-in sensor measures the ambient light, and the Daylight View Basic function adjusts the halftone color and brightness level according to the surrounding illumination.

Long-Lasting Lamps and Air Filters

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

The PT-VW330U/VX400NTU/VX400U have a maximum lamp replacement cycle of 5,000 hours.*⁴ The air filters of the PT-VW330U/VX400NTU/VX400U also have a replacement cycle of 6,000 hours.*⁵ This reduces maintenance hassles for long periods of use, and helps to lower maintenance costs and reduce environmental impact.

Model	Lamp Replacement Cycle* ⁴	Air Filter	
		Replacement Cycle* ⁵	Types
PT-VW435NU/VW430U VX505NU/VX500U	4,000 hours	4,000 hours	Pleated Micro Cut Filters* ⁶ (in 2 locations)
PT-VW330U/VX400NTU/ VX400U	5,000 hours	6,000 hours	Three-layered Air Filters (in 2 locations)

Quiet 29-dB*⁷ Design Does Not Interrupt Meetings or Classes

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

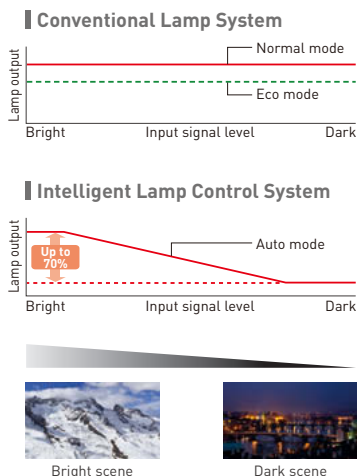
The quiet design keeps noise levels down to 29 dB,*⁷ so the sound of the cooling fan is hardly noticeable. This helps the audience to keep their attention on the speech when someone is giving a presentation or on the screen images during quiet scenes.

Versatile Eco Performance Helps the Environment

Intelligent Lamp Control System Reduces Power Consumption

VW330U VX400NTU VX400U

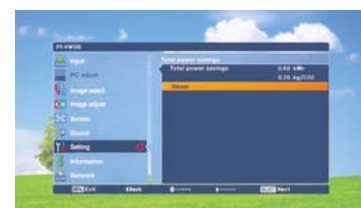
When the lamp power is set to Auto, the intelligent lamp control system automatically adjusts the lamp output in accordance with the brightness of the projected image and reduces it by up to 70%. It also combines with color shift correction, which corrects the shift in the color balance that occurs when the lamp output drops. As a result, power consumption is effectively reduced while excellent color reproduction is maintained.



Displaying the Total Amount of Reduced Power Consumption and CO₂ Emission

VW330U VX400NTU VX400U

When the lamp power is set to Eco1, Eco2 or Auto, you can display the total amount of reduced power consumption and decreased CO₂ emission compared to when the lamp power is set to Normal. It can be shown by day, month or year. Quantitatively checking these reduction amounts helps to increase the awareness of energy saving and the environment.



Environmentally Friendly Standby Power Consumption

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

When the Standby mode is set to Eco, the standby power consumption is up to 0.48 W.*⁸ This lowers running costs, and helps to reduce environment impact.

Ecology-Conscious Design

- No halogenated flame retardants are used in the cabinet.
- Non-coated cabinet for easy recycling (For the PT-VW435NU/VW430U/VX505NU/VX500U).
- Lead-free glass is used for the lens.
- Lamp power switching further reduces power consumption.
- Standby power consumption of only 0.48 W*⁸ has been achieved.
- RoHS compliant

*¹ The PT-VX505NU/VX500U has 5,000 lm of brightness and 4,000:1 contrast ratio. The PT-VW435NU/VW430U has 4,300 lm of brightness and 3,500:1 contrast ratio.

*² The PT-VX400NTU/VX400U has 4,000 lm and the PT-VW330U has 3,000 lm of brightness.

*³ Weight by model: PT-VX400NTU: approx. 7.9 lb [3.6 kg], PT-VW330U/VX400U: approx. 7.7 lb [3.5 kg].

*⁴ This is the maximum value when the lamp power is set to Eco (Eco1 or Eco2 in the PT-VW330U/VX400NTU/VX400U), with the lamp turned on for 2 hours and off for 0.25 hour.

Increases in the lamp on cycle or extended use with the lamp continuously turned on will shorten the lamp replacement cycle. When the lamp power is set to Normal, the lamp replacement cycle is 2,500 hours for the PT-VW435NU/VW430U/VX505NU/VX500U and 3,000 hours for the PT-VW330U/VX400NTU/VX400U.

*⁵ The lamp power: PT-VW435NU/VW430U/VX505NU/VX500U: Eco, PT-VW330U/VX400NTU/VX400U: Eco1 or Eco2. The usage environment affects the duration of the filter.

*⁶ Electrostatic filters.

*⁷ When the PT-VW435NU/VW430U/VX505NU/VX500U lamp power is set to Eco (Eco1 or Eco2 in the PT-VW330U/VX400NTU/VX400U).

*⁸ Standby power consumption: PT-VW435NU/VW430U/VX505NU/VX500U: 0.3 W, PT-VW330U/VX400NTU/VX400U: 0.48 W. Standby mode: Eco. When the Standby mode is set to Eco, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal.

Convenient Functions for Portable and Ceiling-Mounted Applications

Easy Wireless Projection from Multiple PCs



Wireless Projection Advantages

Smoother, more productive meetings:

Set-up is easy and multiple participants can bring and use their own notebook PCs for projection.

Presentations can be made from anywhere in the room:

PCs can be arranged in a flexible layout without passing around cables.

Smart presentations with iOS devices:

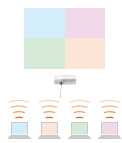
PDF files, JPEG images, web pages, and photos* can be projected by wireless transmission from iPad, iPhone, and iPod touch.

* Photos taken with the built-in camera on iOS devices.

• Wireless Manager ME 6.0/5.5*9 Multifunctional Application Software

VW435NU VX505NU VX400NTU

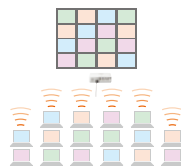
The Wireless Manager ME 6.0/5.5*9 application provided with the projector allows easy transfer*10 of data from the screen of a personal computer*11 through a PC's wireless LAN function.*12 It can be used to transfer audio files.*13 Screen images from multiple computers can also be projected, and Multi-Live mode allows the simultaneous projection of up to 16 computers. The newest Wireless Manager ME 6.0, which supports the PT-VW435NU/VX505NU, greatly shortens the starting time and increases the transfer speed. The graphical user interface (GUI) has been redesigned to make operation simpler and easier to understand. This all combines to make presentations more flexible and effective.



Four-Window Multi Style
displays up to four computer screens at a time.

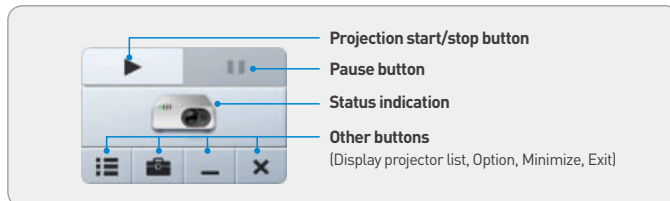


Four-Window Index Style
displays thumbnails of four computer screens.



16-Window Index Style
displays thumbnails of 16 computer screens.

■ The new GUI makes operation more intuitive (Wireless Manager ME 6.0)



• The Optional Easy Wireless Stick (ET-UW100) Simplifies Wireless Projection

VW435NU VX505NU VX400NTU

The ET-UW100 integrates a wireless application and a wireless LAN adapter. Simply plug it into the computer's USB port for easy wireless projection*14 of the computer screen. Multi-Live mode*15 lets you project images from up to 16 computers simultaneously.



For more information about wireless function, please visit
<http://panasonic.net/avc/projector/>

Wireless Projection from iPad/iPhone

VW435NU VX505NU VX400NTU

The "Panasonic Wireless Projector for iOS" application, which is free and available on the App Store, allows wireless projection from an iPad, iPhone or iPod touch. You can send PDF files transferred from a PC via iTunes to the Documents*16 folder of this application, and JPEG images saved to the Photos*16 folder of your iPad, iPhone or iPod touch. You can also project websites with the built-in web browser, and photos taken with the built-in camera iOS devices. Presentations can be done using only the wireless projector and an iPad, iPhone or iPod touch. Various touch screen operations, such as rotating the direction of the screen, flicking to turn pages, and pinching to zoom in or out, are possible. For more information, please visit

<http://panasonic.net/avc/projector/ios/>



USB Display Function for Easy Projection Using a USB Cable

VW435NU VX505NU VX400NTU

By installing the Wireless Manager ME 6.0/5.5 application in a personal computer in advance and connecting*17 the USB ports on the projector and the computer with a USB cable, Wireless Manager ME 6.0/5.5 will automatically start up and output computer images and sound from the projector. Multi-Live mode and other functions can also be used in the same manner as when using a wireless connection.

USB Memory Viewer for Projection without a Personal Computer

VW435NU VX505NU VX400NTU

JPG/BMP image files and text files stored on a USB memory device can be projected by simply inserting the USB memory device into the USB port of the PT-VW435NU/VX505NU/VX400NTU. This makes it easy to give presentations without having to use a computer.



Featured image: PT-VW435NU/VX505NU

1.6x Zoom Lens Allows Flexible Installation

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

When projecting onto a 100-inch wide screen, the 1.6x zooms lens lets the PT-VW435NU/VW430U, for example, support a wide range of projection distances, from 8.2 to 13.5 feet (2.5 to 4.1 meters).

Lens Shift Moves the Image Vertically Without Distortion

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

The PT-VW435NU/VW430U/VX505NU/VX500U feature the Lens Shift function in the vertical direction. It moves the image position vertically without distorting it.



HDMI Input Terminal and Abundant Interfaces

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

Extensive interfaces include an HDMI input terminal, 2 sets of computer (RGB) input terminals, a wired LAN terminal, and a serial (RS-232C) terminal for external control. These features support a wide range of system architectures for portable or ceiling-mounted use.

*9 The PT-VW435NU/VX505NU includes Wireless Manager ME 6.0, and the PT-VX400NTU includes Wireless Manager ME 5.5. *10 DVD video, Blu-ray video and content set with DRM (Digital Rights Management) cannot be transferred.

*11 Wireless Manager ME 6.0 and the ET-UW100 are supported by Windows®XP/Windows Vista®/Windows®7 and Macintosh (Mac OS X v10.6/v10.7). Wireless Manager ME 5.5 is supported by Windows®XP/Windows Vista®/Windows®7 and Macintosh (Mac OS X v10.4/v10.5/v10.6/v10.7). *12 If the computer is not equipped with a wireless LAN function, a wireless LAN card is required. In the case of Macintosh computers, only the built-in wireless LAN function is supported. Network functions such as Live mode and Multi-Live mode can also be used with a wired LAN. *13 Windows®7 and Windows Vista® computers must be logged on to using the Administrator's account. The first time that a Windows®7 computer is used, the sound driver may require setting. *14 The ET-UW100 will not transfer audio files. *15 Multi-Live mode supports only the 16-Window Index Style.

*16 Files that are saved anywhere other than these locations cannot be projected. Also, PDF files that contain animation, links, have open passwords, or have been scanned at high resolution cannot be sent.

*17 The first time a USB cable is connected, a USB driver must be installed.

A Wide Variety of Functions for Easy Setup

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

• Auto Input Signal Search

The Auto Input Signal Search function automatically detects the input signal and selects the input channel based on the signal. This function lets you start a presentation without any complicated setup required.

• Input Guidance Function

If the input signal cannot be detected, the Input Guidance function will display connection instructions on the projector screen, for easy setup.

• Real-Time Keystone Correction^{*18}

With Real-Time Keystone Correction, the projector automatically senses if you adjust its angle (in the vertical direction) during operation and instantly makes whatever keystone correction is necessary for optimal viewing.

• Color-board and Blackboard modes

Color-board and Blackboard modes adjust the colors to make high-quality projection possible in rooms that don't have a screen.

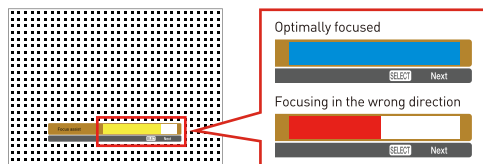
Easy Setting Function for Even Easier Setup

VX400NTU

When the Auto Setup button is pressed, a camera inside the projector detects the condition of the projected image. In addition to Auto Input Signal Search and Auto Setup, the projector then makes the following adjustments. This makes setup even easier.

• Focus Assist

A focusing guide is displayed to help the focus adjustment.



• Screen Fitting

The projection screen size and horizontal/vertical Keystone correction (trapezoidal correction) are automatically adjusted to fit the screen.^{*19}



• Wall Color Compensation

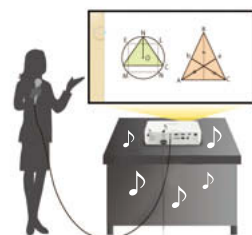
When projecting onto a colored wall, blackboard, or other similar surface, the white balance is automatically adjusted.



10-Watt Speakers and a Microphone Input Enables Audio Playback Directly from the Projector

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

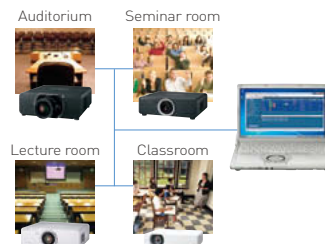
These portable projectors feature high-output 10-watt speakers that produce a high sound volume without requiring external speakers. They also feature a microphone input terminal that allows microphone sounds to be output from the projector. These features make presentations even more effective.



Easy Remote Monitoring and Control over a LAN

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

Web browser on a computer connected through a LAN system lets you remotely operate projectors and check their status. An e-mail messaging function can also notify you when a lamp needs replacement, and indicate the overall projector status. In addition, Multi Projector Monitoring and Control Software is available for monitoring and controlling multiple Panasonic projectors from a single PC. The wired LAN terminal is compatible with PLink™ (class1), an open protocol that is used by many manufacturers, to enable integrated control of systems that contain different brands of projectors.



Crestron RoomView™

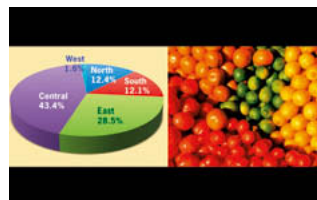
VW435NU VW430U VX505NU VX500U

The LAN terminal allows a computer connected to the network to use Crestron RoomView™ application software to manage and control system devices.

Side-by-Side and P-in-P Function^{*20} (PT-VW330U) for Effective Presentations and Lectures

VW330U

Two different image sources can be simultaneously displayed onto a single screen. You can also switch to P-in-P (Picture-in-Picture) mode and display a sub-window onto the main screen. The sub-window can be positioned at any of the four corners (upper left, upper right, lower left, lower right) to expand the usable area as only a wide-screen projector can do.



Side-by-Side Mode



P-in-P Mode

Easy Lamp/Air Filter Replacement Simplifies Maintenance

VW435NU VW430U VX505NU VX500U
VW330U VX400NTU VX400U

For easier maintenance, you can replace the lamp from the top even after the projector is installed on the ceiling. And the PT-VW435NU/VW430U/VX505NU/VX500U have one air filter on the side and one on the back, while the PT-VW330U/VX400NTU/VX400U have one on the side and one on the bottom. This eliminates the need to detach the projector from its ceiling bracket and greatly simplifies maintenance.



Featured image: PT-VW430 Series

Other Features

- Direct Power Off right after use
- A carrying bag with a handy shoulder strap comes with the projector
- Effective theft prevention with the startup logo^{*21}
- Projector identification system for remote control allocation of up to six projectors
- The Wireless Mouse function (PT-VW435NU/VX505NU/VX400NTU) enables you to operate a computer's mouse pointer by the projector's wireless remote control
- Built-in closed caption decoder
- AMX D. D. compliant

^{*18} Keystone correction is performed in the PT-VX400NTU when using the Easy Setting function. ^{*19} If the screen border cannot be detected, the projection screen size adjustment is not made. In this case, only the horizontal/vertical Keystone correction is done. ^{*20} This function is not effective for some source combinations. ^{*21} The included Logo Transfer Software is required to upload a new logo.

Specifications

Model		PT-VW435NU	PT-VW430U	PT-VX505NU	PT-VX500U
Power supply		100-240 V AC, 50/60 Hz			
Power consumption		365 W (0.3 W when standby mode set to Eco*, 12.9 W when standby mode set to Network.)	365 W (0.3 W when standby mode set to Eco*, 11.5 W when standby mode set to Network.)	365 W (0.3 W when standby mode set to Eco*, 12.9 W when standby mode set to Network.)	365 W (0.3 W when standby mode set to Eco*, 11.5 W when standby mode set to Network.)
LCD panel	Panel size	0.59 inches (15 mm) diagonal (16:10 aspect ratio)		0.63 inches (16 mm) diagonal (4:3 aspect ratio)	
	Display method	Transparent LCD panel (x 3, R/G/B)			
	Pixels	1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels		786,432 (1,024 x 768) x 3, total of 2,359,296 pixels	
Lens		1.6x manual zoom (throw ratio: 1.18–1.90:1), manual focus, F 1.60–2.12, f 15.28–24.62 mm			
Lamp		280 W x 1, lamp replacement cycle (lamp power: Normal/Eco): 2,500 hours/4,000 hours*2			
Screen size (diagonal)		30–300 inches (0.76–7.62 m), 16:10 aspect ratio		30–300 inches (0.76–7.62 m), 4:3 aspect ratio	
Brightness*3		4,300 lm (lamp power: Normal)		5,000 lm (lamp power: Normal)	
Center-to-corner uniformity*3		85 %			
Contrast*3		3,500:1 (full on/full off, lamp power: Normal, Iris: On)		4,000:1 (full on/full off, lamp power: Normal, Iris: On)	
Resolution		1,280 x 800 pixels*4		1,024 x 768 pixels*5	
Scanning frequency	HDMI	fh: 25–80 kHz, fv: 50–85 Hz, dot clock: 162 MHz or lower			
	RGB (analog)	fh: 15–100 kHz, fv: 50–100 Hz, dot clock: 140 MHz or lower (Signals exceeding the dot clock rate of 140 MHz are downsampled.)			
	YPbPr (YCbCr)	fh: 15.75 kHz, fv: 60 Hz [480i(525i)]		fh: 15.63 kHz, fv: 50 Hz [576i(625i)]	
		fh: 31.50 kHz, fv: 60 Hz [480p(525p)]		fh: 31.25 kHz, fv: 50 Hz [576p(625p)]	
		fh: 45.00 kHz, fv: 60 Hz [720(750)/60p]		fh: 37.50 kHz, fv: 50 Hz [720(750)/50p]	
	Video/S-Video	fh: 33.75 kHz, fv: 60 Hz [1080(1125)/60i]		fh: 28.13 kHz, fv: 50 Hz [1080(1125)/50i]	
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 %	
Keystone correction range		Vertical: ±30° (±20° when Real-Time Keystone)			
Installation		Ceiling/floor, front/rear			
Terminals	HDMI IN	HDMI 19-pin x 1 (compatible with HDCP) 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, VGA (640 x 480)-WUXGA (1,920 x 1,200)*6			
	COMPUTER IN 1	D-sub HD 15-pin (female) x 1 (RGB/YPbPr/YCbCr x 1)			
	COMPUTER IN 2/ MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB x 1), (input/output selectable using on-screen menu) (When Monitor Out is selected, the COMPUTER IN 1 signal is output.)			
	VIDEO IN	RCA pin x 1 (Composite VIDEO)			
	S-VIDEO IN	Mini DIN 4-pin x 1 (S-VIDEO)			
	AUDIO IN	RCA pin x 2 (L-R x 1) for VIDEO/S-VIDEO input			
	COMPUTER AUDIO IN 1	M3 x 1 (L-R x 1)			
	COMPUTER AUDIO IN 2 (MIC IN)	M3 x 1 (L-R x 1) for audio input or for microphone connection (variable)			
	AUDIO OUT	M3 x 1 (L-R x 1) for output (variable)			
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)			
	LAN	RJ-45 x 1 (for network connection, 10Base-T/100Base-TX, compliant with PLink™ (class 1))			
	USB A	USB type-A (for the USB Memory Viewer) x 1	—	USB type-A (for the USB Memory Viewer) x 1	—
	USB B	USB type-B (for the USB Display/Wireless Mouse) x 1	—	USB type-B (for the USB Display/Wireless Mouse) x 1	—
Built-in speaker		1.6 inches round shape x 1, output power: 10.0 W (monaural)			
Noise level		37 dB (lamp power: Normal), 29 dB (lamp power: Eco)			
Cabinet materials		Molded plastic			
Dimensions (W x H x D)		14.9" x 4.2" x 12.0" (379 x 107 x 305 mm) (with legs at shortest position, not including protruding parts)			
Weight		Approximately 10.6 lbs (4.8 kg)			
Operating environment		Operating temperature: 32°F–104°F [0°C–40°C]*7 (less than 3,937 ft [1,200 m] above sea level, Fan control: OFF), 32°F–86°F [0°C–30°C] (between 3,937 ft and 6,562 ft [1,200 m and 2,000 m] above sea level, Fan control: ON1), 32°F–86°F [0°C–30°C] (between 6,562 ft and 8,858 ft [2,000 m and 2,700 m] above sea level, Fan control: ON2) Operating humidity: 20 %-80 % (no condensation)			
Wireless	Standard	IEEE802.11b/g/n	—	IEEE802.11b/g/n	—
	Infrastructure mode	WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES), 128 bit/64 bit WEP, WPA-EAP/WPA2-EAP (PEAP[MS-CHAPv2/GTC], EAP-FAST [MS-CHAPv2/GTC], EAP-TTLS[MD5/MS-CHAPv2])	—	WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES), 128 bit/64 bit WEP, WPA-EAP/WPA2-EAP (PEAP[MS-CHAPv2/GTC], EAP-FAST [MS-CHAPv2/GTC], EAP-TTLS[MD5/MS-CHAPv2])	—
	Ad-hoc mode*8	128 bit/64 bit WEP	—	128 bit/64 bit WEP	—
Supplied accessories		Power cord x 1, power cord holder x 1, wireless remote control unit, batteries (AAA/R03/LR03 type x 2), carrying bag x 1, computer cable (5.9 feet, for VGA) x 1 Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software, Wireless Manager ME 6.0)	Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software)	Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software, Wireless Manager ME 6.0)	Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software)

*1 When the Standby mode is set to Eco, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal.

*2 The values given for the recommended lamp replacement cycles are maximum. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

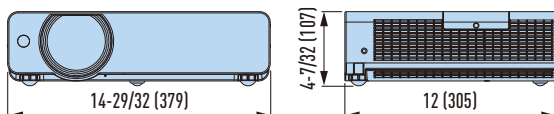
*4 Input signals that exceed this resolution will be converted to 1,280 x 800 pixels. *5 Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.

*6 Compliant with VESA CVT-RB. *7 When the ambient temperature is between 95°F and 104°F (35°C and 40°C), the lamp power should be set to Eco.

*8 Not supported by IEEE802.11n.

Dimensions

unit: inch (mm)



Terminals



* Featured image: PT-VW435NU/VX505NU.

* The PT-VW430U/VX500U are not equipped with USB A/USB B terminals.

Specifications

Model		PT-VW330U	PT-VX400NTU	PT-VX400U
Power supply		100-240 V AC, 50/60 Hz		
Power consumption		322 W [0.48 W when standby mode set to Eco*1, 12.5 W when standby mode set to Network.]	322 W [0.48 W when standby mode set to Eco*1, 14.5 W when standby mode set to Network.]	322 W [0.48 W when standby mode set to Eco*1, 10.0 W when standby mode set to Network.]
LCD panel	Panel size	0.59 inches [15 mm] diagonal [16:10 aspect ratio]	0.63 inches [16 mm] diagonal [4:3 aspect ratio]	
	Display method	Transparent LCD panel [x 3, R/G/B]		
	Pixels	1,024,000 [1,280 x 800] x 3, total of 3,072,000 pixels	786,432 [1,024 x 768] x 3, total of 2,359,296 pixels	
Lens		1.6x manual zoom [throw ratio: 1.2–1.9:1], manual focus, F 1.65–2.33, f 15.47–24.53 mm		
Lamp		245 W x 1, lamp replacement cycle [lamp power: Normal/Eco1, Eco2]: 3,000 hours/5,000 hours*2		
Screen size [diagonal]		30–300 inches [0.76–7.62 m], 16:10 aspect ratio	30–300 inches [0.76–7.62 m], 4:3 aspect ratio	
Brightness*3		3,000 lm [lamp power: Auto/Normal]	4,000 lm [lamp power: Auto/Normal]	
Center-to-corner uniformity*3		85 %		
Contrast*3		2,000:1 [full on/full off, lamp power: Auto]		
Resolution		1,280 x 800 pixels*4	1,024 x 768 pixels*5	
Scanning frequency	HDMI	fh: 25–80 kHz, fv: 50–85 Hz, dot clock: 162 MHz or lower		
	RGB [analog]	fh: 15–100 kHz, fv: 50–100 Hz, dot clock: 140 MHz or lower [Signals exceeding the dot clock rate of 140 MHz are downsampled.]		
	YPbPr [YCbCr]	fh: 15.75 kHz, fv: 60 Hz [480i[525i]]	fh: 15.63 kHz, fv: 50 Hz [576i[625i]]	
		fh: 31.50 kHz, fv: 60 Hz [480p[525p]]	fh: 31.25 kHz, fv: 50 Hz [576p[625p]]	
		fh: 45.00 kHz, fv: 60 Hz [720[750]/60p]	fh: 37.50 kHz, fv: 50 Hz [720[750]/50p]	
Video/S-Video	fh: 33.75 kHz, fv: 60 Hz [1080[1125]/60i]	fh: 28.13 kHz, fv: 50 Hz [1080[1125]/50i]		
Optical axis shift		49:1	9:1	
Keystone correction range		Vertical: ±30° [±20° when Real-Time Keystone]	Vertical: ±40°, Horizontal: ±30° [Vertical: ±30°, Horizontal: ±20° when Auto Keystone]	Vertical: ±30° [±20° when Real-Time Keystone]
Installation		Ceiling/floor, front/rear		
Terminals	HDMI IN	HDMI 19-pin x 1 [compatible with HDCP] 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p, VGA [640 x 480]-WUXGA [1,920 x 1,200]*6		
	COMPUTER IN 1	D-sub HD 15-pin [female] x 1 [RGB/YPbPr/YCbCr x 1]		
	COMPUTER IN 2 / MONITOR OUT	D-sub HD 15-pin [female] x 1 [RGB x1], [input/output selectable using on-screen menu] [When Monitor Out is selected, the COMPUTER IN 1 signal is output.]		
	VIDEO IN	RCA pin x 1 [Composite VIDEO]		
	S-VIDEO IN	Mini DIN 4-pin x 1 [S-VIDEO]		
	AUDIO IN	RCA pin x 2 [L-R x 1] for VIDEO/S-VIDEO input		
	COMPUTER AUDIO IN 1	M3 x 1 [L-R x 1]		
	COMPUTER AUDIO IN 2 [MIC IN]	M3 x 1 [L-R x 1] for audio input or for microphone connection (variable)		
	AUDIO OUT	M3 x 1 [L-R x 1] for output (variable)		
	SERIAL IN	D-sub 9-pin [male] x 1 for external control [RS-232C compliant]		
	LAN	RJ-45 x 1 [for network connection, 10Base-T/100Base-TX, compliant with PLink™ (class 1)]		
	USB A	—	USB type-A [for the USB Memory Viewer] x 1	—
	USB B	—	USB type-B [for the USB Display/Wireless Mouse] x 1	—
Built-in speaker		1.5 inches round shape x 1, output power: 10.0 W [monaural]		
Noise level		35 dB [lamp power: Normal], 29 dB [lamp power: Eco1, Eco2]		
Cabinet materials		Molded plastic		
Dimensions [W x H x D]		13.8" x 3.8" x 10.9" [350 x 97 x 277 mm] [with legs at shortest position, not including protruding parts]		
Weight		Approximately 7.7 lbs [3.5 kg]	Approximately 7.9 lbs [3.6 kg]	Approximately 7.7 lbs [3.5 kg]
Operating environment		Operating temperature: 41°F–95°F [5°C–35°C], operating humidity: 20 %-80 % [no condensation]		
Wireless	Standard	—	IEEE802.11b/g/n	—
	Infrastructure mode	—	WPA-PSK [TKIP/AES], WPA2-PSK [TKIP/AES], 128 bit/64 bit WEP, WPA-EAP/WPA2-EAP [PEAP[MS-CHAPv2/GTC], EAP-FAST [MS-CHAPv2/GTC], EAP-TTLS[MD5/MS-CHAPv2]]	—
	Ad-hoc mode*7	—	128 bit/64 bit WEP	—
Supplied accessories		Power cord x 1, power cord holder x 1, wireless remote control unit, batteries [AAA/R03/LR03 type x 2], carrying bag x 1, computer cable [5.9 feet, for VGA] x 1, filter cover		
		Software CD-ROM [Logo Transfer Software, Multi Projector Monitoring & Control Software]	Software CD-ROM [Logo Transfer Software, Multi Projector Monitoring & Control Software, Wireless Manager ME 5.5]	Software CD-ROM [Logo Transfer Software, Multi Projector Monitoring & Control Software]

*1 When the Standby mode is set to Eco, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal.

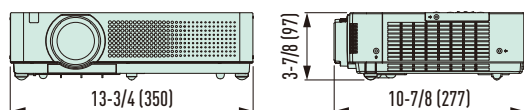
*2 The values given for the recommended lamp replacement cycles are maximum. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

*4 Input signals that exceed this resolution will be converted to 1,280 x 800 pixels. *5 Input signals that exceed this resolution will be converted to 1,024 x 768 pixels.

*6 Compliant with VESA CVT-RB. *7 Not supported by IEEE802.11n.

Dimensions

unit: inch [mm]



Terminals

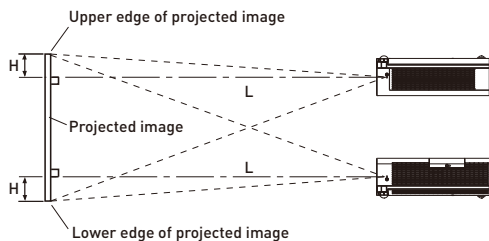


* Featured image: PT-VX400NTU.

* The PT-VW300U/VX400U are not equipped with USB A/USB B terminals.

Projection distance

unit: feet (meters)



- The value for L (distance to screen) varies slightly depending on the zoom lens characteristics.
- At the shortest projection distance, the zoom lens characteristics may cause slight image distortion.

PT-VW435NU/VW430U

[16:10 aspect ratio; throw ratio: 1.18-1.90:1]

Diagonal image size	Projection distance (L)		Height from the edge of screen to center of lens (H)
	min.(wide)	max.(tele)	
30" [0.76]	2.3 (0.7)	3.9 (1.2)	0.03 - 0.66 [0.01 - 0.20]
40" [1.02]	3.3 (1.0)	5.2 (1.6)	0.03 - 0.89 [0.01 - 0.27]
50" [1.27]	4.3 (1.3)	6.6 (2.0)	0.03 - 1.12 [0.01 - 0.34]
60" [1.52]	4.9 (1.5)	8.2 (2.5)	0.07 - 1.31 [0.02 - 0.40]
70" [1.78]	5.9 (1.8)	9.5 (2.9)	0.07 - 1.54 [0.02 - 0.47]
80" [2.03]	6.6 (2.0)	10.8 (3.3)	0.07 - 1.77 [0.02 - 0.54]
90" [2.29]	7.5 (2.3)	12.1 (3.7)	0.07 - 2.00 [0.02 - 0.61]
100" [2.54]	8.2 (2.5)	13.5 (4.1)	0.10 - 2.20 [0.03 - 0.67]
120" [3.05]	10.2 (3.1)	16.1 (4.9)	0.10 - 2.66 [0.03 - 0.81]
150" [3.81]	12.5 (3.8)	20.3 (6.2)	0.13 - 3.31 [0.04 - 1.01]
200" [5.08]	16.7 (5.1)	27.2 (8.3)	0.16 - 4.43 [0.05 - 1.35]
250" [6.35]	21.0 (6.4)	33.8 (10.3)	0.23 - 5.51 [0.07 - 1.68]
300" [7.62]	25.3 (7.7)	40.7 (12.4)	0.26 - 6.63 [0.08 - 2.02]

PT-VW330U

[16:10 aspect ratio; throw ratio: 1.2-1.9:1]

Diagonal image size	Projection distance (L)		Height from the edge of screen to center of lens (H)
	min.(wide)	max.(tele)	
30" [0.76]	2.3 (0.7)	3.9 (1.2)	0.03 [0.01]
40" [1.02]	3.3 (1.0)	5.2 (1.6)	0.03 [0.01]
50" [1.27]	4.3 (1.3)	6.6 (2.0)	0.03 [0.01]
60" [1.52]	4.9 (1.5)	8.2 (2.5)	0.07 [0.02]
70" [1.78]	5.9 (1.8)	9.5 (2.9)	0.07 [0.02]
80" [2.03]	6.6 (2.0)	10.8 (3.3)	0.07 [0.02]
90" [2.29]	7.5 (2.3)	12.1 (3.7)	0.07 [0.02]
100" [2.54]	8.2 (2.5)	13.5 (4.1)	0.10 [0.03]
120" [3.05]	10.2 (3.1)	16.1 (4.9)	0.10 [0.03]
150" [3.81]	12.5 (3.8)	20.3 (6.2)	0.13 [0.04]
200" [5.08]	16.7 (5.1)	26.2 (8.0)*	0.16 [0.05]
250" [6.35]	21.0 (6.4)	26.2 (8.0)*	0.23 [0.07]
300" [7.62]	25.3 (7.7)	26.2 (8.0)*	0.26 [0.08]

* There is no guarantee of the lens performance when the projection distance exceeds 26.2 feet (8.0 m).

PT-VX505NU/VX500U

[4:3 aspect ratio; throw ratio: 1.18-1.90:1]

Diagonal image size	Projection distance (L)		Height from the edge of screen to center of lens (H)
	min.(wide)	max.(tele)	
30" [0.76]	2.3 (0.7)	3.6 (1.1)	0.16 - 0.75 [0.05 - 0.23]
40" [1.02]	3.0 (0.9)	4.9 (1.5)	0.20 - 1.02 [0.06 - 0.31]
50" [1.27]	3.9 (1.2)	6.2 (1.9)	0.26 - 1.25 [0.08 - 0.38]
60" [1.52]	4.6 (1.4)	7.5 (2.3)	0.30 - 1.51 [0.09 - 0.46]
70" [1.78]	5.6 (1.7)	8.9 (2.7)	0.36 - 1.74 [0.11 - 0.53]
80" [2.03]	6.2 (1.9)	10.2 (3.1)	0.40 - 2.00 [0.12 - 0.61]
90" [2.29]	7.2 (2.2)	11.5 (3.5)	0.46 - 2.26 [0.14 - 0.69]
100" [2.54]	7.9 (2.4)	12.8 (3.9)	0.49 - 2.49 [0.15 - 0.76]
120" [3.05]	9.5 (2.9)	15.4 (4.7)	0.59 - 2.99 [0.18 - 0.91]
150" [3.81]	11.8 (3.6)	19.0 (5.8)	0.75 - 3.74 [0.23 - 1.14]
200" [5.08]	15.7 (4.8)	25.6 (7.8)	1.02 - 4.99 [0.31 - 1.52]
250" [6.35]	19.7 (6.0)	31.8 (9.7)	1.25 - 6.27 [0.38 - 1.91]
300" [7.62]	23.6 (7.2)	38.4 (11.7)	1.51 - 7.51 [0.46 - 2.29]

PT-VX400NTU/VX400U

[4:3 aspect ratio; throw ratio: 1.2-1.9:1]

Diagonal image size	Projection distance (L)		Height from the edge of screen to center of lens (H)
	min.(wide)	max.(tele)	
30" [0.76]	2.3 (0.7)	3.6 (1.1)	0.16 [0.05]
40" [1.02]	3.0 (0.9)	4.9 (1.5)	0.20 [0.06]
50" [1.27]	3.9 (1.2)	6.2 (1.9)	0.26 [0.08]
60" [1.52]	4.6 (1.4)	7.5 (2.3)	0.30 [0.09]
70" [1.78]	5.6 (1.7)	8.9 (2.7)	0.36 [0.11]
80" [2.03]	6.2 (1.9)	10.2 (3.1)	0.39 [0.12]
90" [2.29]	7.2 (2.2)	11.5 (3.5)	0.46 [0.14]
100" [2.54]	7.9 (2.4)	12.8 (3.9)	0.49 [0.15]
120" [3.05]	9.5 (2.9)	15.4 (4.7)	0.59 [0.18]
150" [3.81]	11.8 (3.6)	19.0 (5.8)	0.75 [0.23]
200" [5.08]	15.7 (4.8)	25.6 (7.8)	1.02 [0.31]
250" [6.35]	19.7 (6.0)	26.2 (8.0)*	1.25 [0.38]
300" [7.62]	23.6 (7.2)	26.2 (8.0)*	1.51 [0.46]

Optional accessories

Ceiling mount bracket for high ceilings*1

Ceiling mount bracket for low ceilings*1

Bracket assembly

Replacement filter unit

Replacement lamp unit

Easy Wireless Stick*2

PT-VW435NU/
VW430U/
VX505NU/
VX500U

ET-PKV100H



ET-PKV100S



ET-PKV200B



ET-PKV100B



ET-RFV200



ET-RFV100



ET-LAV200



ET-LAV100



ET-UW100



For use with PT-VW435NU/
VX505NU/VX400NTU.

*1 This product is used together with an optional bracket assembly (sold separately).

*2 The ET-UW100 is available in the following countries and regions as of July 2012. North America, England, Germany, France, Spain, Italy, Belgium, Austria, Sweden, Norway, Denmark, Switzerland, Holland, Finland, Portugal, Greece, and Japan.

Caution

Do not install the projector in locations that are subject to excessive water, humidity, steam or oily smoke. Doing so may result in fire, malfunction or electric shock.

NOTE ON USE

- 1 The projector uses a high-voltage mercury lamp under high internal pressure. This lamp may break, emitting a popping sound, or fail to illuminate, due to impact or extended use.
- 2 The high-wattage lamp becomes very hot during operation. Please observe the following precautions:
 - Never place objects on top of the projector while it is in operation.
 - Make sure there is an unobstructed space of 39-3/8 inches (1,000 mm) or more around the projector's exhaust openings.
 - If stacking projector units, care must be taken to provide the recommended space between units. These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup.

- If the projector is placed in a box or enclosure, the temperature of the air surrounding the projector must match the operating temperature listed in the specifications table during use. Also, make sure the projector's intake and exhaust openings are not blocked. Ensure there is sufficient ventilation to prevent hot air from the exhaust openings being recirculated into the intake opening.
- 3 The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods.
 - The lamp replacement cycle varies greatly depending on individual lamp characteristics and usage conditions.
 - The brightness of the lamp will gradually decrease with use.
- 4 Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.

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Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. The projection distances and throw ratios given in this brochure are for use only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product. The PJLink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. Crestron RoomView is a trademark of Crestron Electronics, Inc. All other trademarks are the property of their respective trademark owners. Projection images simulated.
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All information included here is valid as of July 2012.

PT-VW430U2 Printed in Japan.