Panasonic

PT-VW340 Series
LCD Projectors

PT-VW345NZ
PT-VW340Z
PT-VX415NZ
PT-VX410Z
PT-VX42Z

A New Way to Share Your Ideas

Smaller, lighter, smarter. . . .
Multi-device wireless projection with Miracast™ support.

For more information about Panasonic projectors, please visit:
www.panasonic.com/proj
www.facebook.com/panasonicprojector
www.twitter.com/panasonicprojector
Wireless Has Gone Versatile.
You Choose the Device.

**Miracast™ Wireless Projection**
Connect a Miracast™-compatible PC, tablet or Android phone and instantly mirror whatever is on your screen—from Full-HD video to websites, online video streams, and PowerPoint documents. You can connect tested Miracast™-compatible device directly to the projector, without having to access a Wi-Fi® network. This makes the next generation of high-quality wireless projection even easier to use.

Please visit our global website, http://panasonic.net/avc/projector/ for list of tested Miracast™ compatible devices.

**Wireless Projection from iOS/Android Devices**
The software allows wireless projection from an iPad, iPhone, iPod touch, and/or Android devices. Download the application from the App Store and/or Google Play.
- A wide range of projectable documents including Word, Excel, PowerPoint, JPEG, PDF, text, Rich text, PDF and many more
- Marker function
- Painter function
- Motion Capture projection
- One Shot projection
- Multi live mode

For iOS devices only

**Wireless Projection from Windows/Mac PCs**
The software provided with the projector allows easy transfer of data from the screen of a personal computer through a PC’s wireless LAN function. It can also be used to transfer audio files. Multi Live mode allows the simultaneous projection of up to 16 computers.

**Easy Setting Function**
Outputs images and sounds from the computer by connecting to the USB port with a single USB cable.

**USB Memory**
USB port for easy wireless projection of the computer screen.

**Easy Wireless Projection without App Installation**
Simply plug Easy Wireless Stick™ ET-UW100 into the computer's USB port for easy wireless projection of the computer screen.

**Speedy Wireless Projection without App Installation**
Not only still images, but full-HD video files can also be projected by simply inserting the USB memory device into the USB port of the projector.

**Wireless Projection from a USB Memory Device**
This makes it easy to give presentations without having to use a computer.

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**Other Useful Features**
- **Wireless remote control unit (5.1g)**
- **Compact Body**
- **Panasonic’s Daylight View Basic technology**
- **Sonys X-Rite™ Color Engine**
- **1.6x Zoom**
- **Lamp**
- **WUXGA (1,920 dots × 1,200 dots), VESA CVT-RB compatible**
- **EASY SETTING: ±20°**
- **Corner Keystone Correction**
- **Side-by-Side and Picture-in-Picture functions**
- **Multi-Live mode**
- **Image Index**
- **Auto Setup**
- **Auto Keystone**
- **Auto adjustment**
- **Auto Zoom**
- **Auto Focus**
- **Auto Contrast**
- **Auto Brightness**
- **Auto Colour**
- **Auto Sharpen**
- **Auto White Balance**
- **Network**

**Connect N Collaborate—Linking People, Devices & the World**

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1. For the PT-VW340/PT-VX420.
2. For the PT-VW345/PT-VX415.
3. Wireless projection with devices that are not Miracast™ compatible or wireless projector from multiple devices requires the installation of dedicated software.
4. For OS devices only.
5. Supported OS includes Windows® XP/Vista/7/8, Mac OS X v.10.4.11/10.6.8/10.7/10.8.
6. USB port on the projector is compatible with a security PIN function. A personal PIN code is required. In the case of Macintosh computer, only the built-in wireless LAN function is supported. Network function such as file mode or Multi Live mode can also be used with a wired LAN.
7. Wireless projection between Macintosh computers must be logged on to using the Administrator’s account. The built-in Apple® AirPort® computer is used. The laptop drove may require setting.
9. For more information please visit our global website http://panasonic.net/avc/projector/.

For more information please visit our global website http://panasonic.net/avc/projector/ in order to be able to use the PT-VW340/PT-VX420.
Superb Performance in a Compact Body

- A remarkable 4,200 lm**/4,000 lm**/3,700 lm** of brightness has been achieved for bright, clear images to enhance usage applications while maintaining the compact body.
- Incorporates a variable iris that produces high contrast of 4,000:1** for sharp, crisp projection in any situation.
- Reduces maintenance hassle and ensures low TCO with a maximum lamp replacement cycle of up to 6,000 hours and long filter life of up to 6,000 hours**.
- 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.
- The quiet design keeps noise levels down to 29 dB as the sound of the cooling fan is hardly noticeable. Interruption of the speaker while in meetings or classes.

Convenient Functions for Portable and Ceiling-Mounted Applications

- The 1.6x zoom lens supports a wide range of projection distances which allows flexible installation.*1
- Corner Keystone Correction enables angled projection by simply designating four corners of the projected image.*1
- USB Display outputs images and sounds from the computer by connecting to the USB port with a single USB cable.*3,7
- Easy Setting Function helps to reduce time and hassle for setting up the projector. Simply press the “Auto Setup” button to detect the condition of the projected image.*3,7
- Side-by-Side and Picture-in-Picture functions allow simultaneous projection of two different image sources** onto a single screen.*3,7
- High-output 10-watt speakers and a microphone input enables audio playback directly from the projector for even more effective presentations.

Other Useful Features

- Easy remote monitoring and control over a LAN
- The standby power consumption is as low as 0.48 W
- Crestron Connected™ compliant
- AMX DD compliant
- Auto Input Signal Search
- Input Guidance function
- Real-time keystone correction**
- Color-board and blackboard modes
- Easy lamp and filter replacement
- Direct power off
- Ecology-conscious design
- Projector identification system for up to 6 projectors

Extensive interfaces support a wide range of system architectures for portable or ceiling-mounted use.

- USB Display: For iOS devices only
- HDMI Input: For more information, please visit projector global website: http://panasonic.net/avc/projector/
- COMUTER Input 1: For Windows/Mac PCs
- COMUTER Input 2: For Android devices. Download the application from the App Store and/or Google Play.
- SERIAL Input: For AMX DD compliant applications
- RJ-45 Input: For LAN access
- AUDIO Input 2: For microphone input enables audio playback directly from the projector for even more effective presentations.
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- USB (Type B): For USB Display

Dimensions

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Projection distance

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## Specifications

### Model
- PT-VW345NZ
- PT-VW340Z
- PT-VX415NZ
- PT-VX440Z
- PT-VX442Z

### Power supply
- AC 100–240 V, 50 Hz/60 Hz

### Power consumption
- 100–120 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 120–230 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 100–120 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 120–230 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 100–120 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);

### LCD panel
- Panel size: 0.59 inches (1.50 cm)
- Distance method: Transparent LCD panel
- Total board: 0.024 (1.280 × 0.800 × 3. total of 3.072.000 pixels)

### Lens
- Manual zoom (1.x) (throw ratio: 1.2–1.9), manual focus F 1.60–2.12; 15.30–24.64 mm
- Projection images simulated. © 2013 Panasonic Corporation. All rights reserved.

### Lamp
- Screen size (diagonal): 30–300 inches
- Lamp type: 230 W x 1

### Brightness
- 3.70 lm (ANSI input: signals: PC, lamp power: normal, picture mode: dynamic)
- 4.20 lm (ANSI input: signals: PC, lamp power: normal, picture mode: dynamic)

### Center-to-corner uniformity
- 85 %

### Contrast
- 3,000:1 (all white / all black) (input signals: PC, lamp power: normal, picture mode: dynamic, IRIS: on)
- 4,000:1 (all white / all black) (input signals: PC, lamp power: normal, picture mode: dynamic, IRIS: on)

## Built-in wireless LAN function
- Standard: 2.4 GHz
- Infrastructure mode: WPA2-PSK (TKIP/AES), WPA-PSK (TKIP/AES), WEP (64bit/128bit)
- WPA-EAP/WPA2-EAP (PS-K/MAS/CHAP/FAST/802.1X/MAS/CHAP/FAST/EAP-TLS)
- Supported mode: [MS-CHAPv2/GTC]/EAP-TTLS [MD5/MS-CHAPv2]

### Acoustics
- Weight: 3.4 kg (7.5 lbs)
- Weight: 3.3 kg (7.3 lbs)
- Weight: 3.3 kg (7.3 lbs)
- Weight: 3.5 kg (7.7 lbs)
- Weight: 3.5 kg (7.7 lbs)

### Dimensions
- Width: 17.6 inches
- Height: 5.0 inches
- Depth: 17.6 inches

### Weight
- Approx. 3.4 kg (7 lbs)
- Approx. 3.4 kg (7 lbs)
- Approx. 3.4 kg (7 lbs)
- Approx. 3.4 kg (7 lbs)
- Approx. 3.4 kg (7 lbs)

### Operating environment
- Operating temperature: 0–30 °C
- Operating humidity: 10–80%

### Power supply
- 100–120 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 120–230 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
- 100–120 V: 300 W, 220–240 V: 288 W (0.4 W when Standby mode set to Eco*);
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### Operating temperature
- 0–30 °C
- 0–30 °C
- 0–30 °C

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## NOTES ON USE

1. When the Standby mode is set to Eco, network functions such as standby on via LAN are not available.

2. The brightness of the lamp will gradually decrease with use.

3. The lamp replacement cycle varies greatly depending on individual lamp characteristics and usage conditions.

4. Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.

## Caution

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