PT-VZ580 Series LCD Projectors

PT-VZ585N / PT-VZ580
PT-VW545N / PT-VW540
PT-VX615N / PT-VX610

PT-VZ470

BRIGHT IDEAS MAKE TEAMWORK EASY
Work as a Team

Whatever personal devices you use in spaces large or small, sharing on the big screen is now easier than ever. With wireless and single-cable solutions, Miracast, plug-and-share playback, and apps for smartphone and PC, collaborative presentations are tailored to you.

Note: Features mentioned in this section are supported only with PT-VZ585N/VW545N/VX615N.

Choose Your Connection

The high-powered PT-VZ585N/VW545N/VX615N works comfortably in permanent or portable applications. We include our long-reach DIGITAL LINK single-cable solution and dual-band Wi-Fi for easy content transmission from any device.

Multi-Platform Support

Wireless casting is available for most smart devices, from Mac and Windows® laptops to iOS and Android™ devices. Solutions include free apps and PC software, support for media dongles, plug-and-share application that enables wireless projection with USB memory device pairing with the projector, and more.

Advanced Miracast

WI-FI CERTIFIED™ Miracast works for both PC and Android, and has cut connection time by a third. Transmit audio, video, still images, and web media at full size. PIN protection and exclusive moderator modes enhance security.

Memory Viewer

What could be simpler than loading your images and video onto a USB memory stick and plugging it in? Do it with the PT-VZ585N/VW545N/VX615N. Wide format support and easy operation assure a professional presentation.

PT-VZ580 Series  LCD Projectors

<table>
<thead>
<tr>
<th></th>
<th>PT-VZ585N</th>
<th>PT-VZ580</th>
<th>PT-VZ470</th>
<th>PT-VW545N</th>
<th>PT-VW540</th>
<th>PT-VX615N</th>
<th>PT-VX510</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>WUXGA</td>
<td>WUXGA</td>
<td>WXGA</td>
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<td>WXGA</td>
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<tr>
<td>Brightness</td>
<td>5,000 lm</td>
<td>5,000 lm</td>
<td>4,400 lm</td>
<td>5,500 lm</td>
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<tr>
<td>Contrast</td>
<td>16,000:1</td>
<td>16,000:1</td>
<td>10,000:1</td>
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<td>Wireless</td>
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<tr>
<td>DIGITAL LINK</td>
<td>✔</td>
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<td>✔</td>
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</tbody>
</table>
Flexible Wireless Collaboration

A Choice of Convenient Wireless Technologies

PT-VZ580 Series models with “N” designation include network capabilities to facilitate casting from iOS and Android™ devices, as well as from Windows® and Mac computers, with fast 3-step connection and wide media support.

Vi-Fi CERTIFIED™ Miracast
(PT-VZ585N/VW545N/VX615N Only)

Supported on Windows®, PC and Android™ devices, Miracast is a convenient low-latency protocol that provides high-bandwidth mirroring of video, stills, and web content with fast connection and a range of exclusive security features.

Full-screen Wireless Playback

Miracast supports stutter-free audio and Full HD video transmission from device to projector screen at 1:1.

Supports Multiple Display Modes

Easily control how content on your device is displayed on the big screen by selecting the appropriate mode.

 Duplicate Mode
Mires your device’s screen on the projector screen

 Extend Mode
Uses a projection surface as an extended PC screen.

 Second Screen Only
Makes the projector screen your PC screen.

Failsafe Transmission

To ensure confidential information isn’t mistakenly transmitted to another display, users can enter a PIN code before casting media via Miracast.

Performance Improvements

Compared to Miracast on legacy PT-VZ570 Series projectors, connection time has been cut by about a third, and connectivity ratio increased by almost half.

Selectable Channels

Selectable 5 GHz/2.4 GHz channels are offered to provide a stable connection in rooms with network congestion or radio interference.

Moderator Mode and Cut-In Function
(PT-VZ585N/VW545N/VX615N Only)

Three modes allow the meeting chair to choose which participants’ devices may display content or present content uninterrupted over Miracast. Interactive mode enables open chairing.

EXCLUSIVE
One device connected to prevent interruptions to solo presentations.

INTERACTIVE
Up to 10 users can project at any time for open collaboration.

MODERATED
Chairperson controls media display permission for up to 10 participants.

Efficient Low-Maintenance Design

PT-VZ580 Series projectors are extremely efficient to run. Air filter replacement cycle is a class-leading 7,000 hours, and the unit can be washed and reused twice* to minimize waste. Lamp life is also extended to 7,000 hours in ECO2 mode*, meaning part refreshment can be performed together with filter maintenance to reduce downtime.

Daylight View Basic

Proprietary technology delivers sharp, comfortably viewed images by enhancing fine details, particularly in dark areas of the image, which are normally difficult to see in brightly lit rooms. A built-in sensor measures ambient light while Daylight View Basic adjusts halftone color and brightness to suit ambient illumination.

Quiet Operation

Technologies combine to keep noise levels down to just 29 dB**, so the sound of the cooling fan is hardly noticeable. This helps to keep attention focused on the presentation and quiet video scenes.

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6-Colors Adjustment and Color Correction Functions*

For the first time in a Panasonic portable, users can correct for slight color variations in the reproduction range of individual units set up for multi-projection. This is particularly useful for side-by-side configurations. Very large images can be seamlessly presented in auditoriums and boardrooms.

* Excluding PT-VZ470.
Universal Device Support with Panasonic Apps (PT-VZ585N/VW545N/VX615N Only)

Panasonic offers free applications for smartphone, tablet, and personal computer that enable fast 3-step connection to get your media on the big screen without fuss. Further, a new plug-and-share feature allows you to cast from PC without software or driver installation.

Plug and Share
Insert a USB memory device into the projector port. In less than a minute, configuration setting files and an application are copied. Plug the USB memory device into your PC, click the player icon, and transmit video and stills wirelessly to the projector—no software or network setup required.

Wireless Projector Apps
Dedicated apps for iOS and Android™ devices feature simple 3-step initial connection and support a variety of media and business document transmission. These apps also allow SSID and key information to be easily obtained via a projected QR Code, again saving on setup time.

Multi-Projector Mode*
Applications for PC, iOS, Android, and the optional Easy Wireless Stick™ dongle support Multi-Projector Mode. This function enables media display from up to 16 different devices in split-screen configuration. You can also transmit content from one PC to up to eight projectors or displays.

Memory Viewer (PT-VZ585N/VW545N/VX615N Only)
You don’t need a computer to start presenting—just insert a USB memory device containing media and start projecting straight away. This includes Full HD video as well as still images. A simple Graphical User Interface (GUI) assures a smooth and stress-free presentation.

Single-Cable DIGITAL LINK Connection
(DIGITAL LINK transmits uncompressed video, audio, and control commands through a single CAT 5e STP cable for distances of up to 150 m (492 ft)* in Long Reach Mode. Optional DIGITAL LINK Switcher or Digital Interface Box reduces cabling and associated costs by connecting multiple source devices and transmitting signals to the projector via a single cable.

Supports IEEE802.1X Protocol
Only authenticated users can connect to the IEEE802.1X network (EAP* over LAN), preventing access by unauthorized users. PT-VZ580 Series projectors are compatible with IEEE802.1X protocol over wired or wireless LAN.

Easy Wireless Stick™ (ET-UW100 (Option))
Supporting a full suite of features and eliminating the need for software installation, the Easy Wireless Stick™ dongle lets you plug and project from PC instantly. After one-time initial setup, projection is automatic, and the device will display images from up to 16 computers at once, and is compatible with Windows® 10.

Stress-free Installation

1.6x Zoom Lens and Lens Shift Function
Zoom lens allows you to project from wide range of distances from tabletops or ceiling. Use vertical lens shift to quickly adjust image position without distortion.

Quick Lamp and Filter Replacement
To reduce hassle, the filter can be replaced via the side and the lamp from the top of the projector. There's no need to remove the unit from its ceiling mount for periodic maintenance.

Auto Screen Image Rotation
Imagers are automatically** rotated depending on installation orientation—upside down on the ceiling or set on a table—using a built-in angle sensor.

* The number of windows that can be projected simultaneously varies depending on application used. Please refer to operating instructions for the application.

** Manual Mode AUTO Mode
## Horizontal, Vertical, and Corner Keystone Correction

Horizontal, vertical, and corner keystone correction adjusts the image shape for clear visibility when projecting off-axis or from an unusual angle.

### Curved Screen Correction

- **Vertical, Horizontal, and Corner Keystone Correction**
  - [Image]

### Additional Features

- **DC OUT Terminal (PT-VZ3080/VW5400/VX610 Only)**
- **Emulation Mode**
- **Creston Connected™, AMX DD, and PJLink™ Compatible**
- **Presentation Support Function**
- **Presentation Support Function**
- **Anti-theft Features**
- **Closed Captioning (NTSC)**
- **Audio Standby Mode**
- **USB Display Function** (PT-VZ505N/VW505N/VX615N Only)
  - Install Wireless Manager software on your PC, connect computer and projector with a USB cable**, and Wireless Manager will automatically start up and output media (including audio) to the projector.

### USB Display Function

- Easy Wireless
- Digital LINK Switcher
- Early Warning Software
- Replacement RFV410
- Replacement LAV400
- Replacement Replacement RFV410
- Replacement Replacement LAV400
- Easy Wireless
- Digital LINK Switcher
- Early Warning Software
- Replacement RFV410
- Replacement LAV400
- Easy Wireless
- Digital LINK Switcher
- Early Warning Software
- Replacement RFV410
- Replacement LAV400

### Terminals

#### PT-VZ505N/VW505N/VX615N

<table>
<thead>
<tr>
<th>Terminal</th>
<th>1</th>
<th>2</th>
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<tbody>
<tr>
<td>1. COMPUTER 1IN / 1 OUT terminal</td>
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<td>2. COMPUTER 2 IN terminal</td>
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<td>3. HDMI IN (terminal)</td>
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<td>4. HDMI 2 IN (terminal)</td>
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<td>5. USB (DISPLAY) terminal</td>
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<td>6. USB A (Viewer) terminal</td>
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<td>7. DIGITAL LINK/AN (terminal)</td>
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#### PT-VZ5050/VW5400/VX610

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<th>Terminal</th>
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</thead>
<tbody>
<tr>
<td>1. LAN terminal (VZ580/VW540/VX610 only)</td>
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<td>2. SERIAL IN terminal</td>
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<td>3. VIDEO IN terminal</td>
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<td>4. AUDIO IN 3 terminal</td>
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#### PT-VZ470

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<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
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</thead>
<tbody>
<tr>
<td>1. AUDIO IN 1 terminal</td>
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<tr>
<td>2. AUDIO IN 2 MIC (IN) terminal</td>
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<tr>
<td>3. AUDIO IN 2 terminal (PT-VZ585N/VV615N)</td>
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<tr>
<td>4. VARIABLE Audio OUT terminal</td>
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</table>

### Projection Distance

#### PT-VZ585N / VZ580 / VZ470

<table>
<thead>
<tr>
<th>Diagonal (inch)</th>
<th>Projection image size</th>
<th>Projection distance (L)</th>
<th>Height from the edge of screen to center of lens (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>10.99 (27.9)</td>
<td>0.29 – 1.55</td>
<td>0.19 – 1.68</td>
</tr>
<tr>
<td>30</td>
<td>16.46 (41.8)</td>
<td>0.52 – 2.98</td>
<td>0.23 – 1.40</td>
</tr>
<tr>
<td>40</td>
<td>22.10 (56.1)</td>
<td>0.74 – 4.04</td>
<td>0.28 – 1.54</td>
</tr>
<tr>
<td>50</td>
<td>27.85 (70.8)</td>
<td>0.96 – 5.27</td>
<td>0.33 – 1.70</td>
</tr>
<tr>
<td>60</td>
<td>33.64 (85.4)</td>
<td>1.18 – 6.35</td>
<td>0.42 – 1.86</td>
</tr>
</tbody>
</table>

#### PT-VZ505N / VW505N / VX615N

<table>
<thead>
<tr>
<th>Diagonal (inch)</th>
<th>Projection image size</th>
<th>Projection distance (L)</th>
<th>Height from the edge of screen to center of lens (H)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>10.36 (26.3)</td>
<td>0.26 – 1.60</td>
<td>0.15 – 1.35</td>
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<tr>
<td>30</td>
<td>15.62 (39.7)</td>
<td>0.48 – 2.76</td>
<td>0.21 – 1.86</td>
</tr>
<tr>
<td>40</td>
<td>20.87 (52.6)</td>
<td>0.70 – 3.94</td>
<td>0.30 – 2.14</td>
</tr>
<tr>
<td>50</td>
<td>26.12 (66.4)</td>
<td>0.91 – 4.60</td>
<td>0.40 – 2.50</td>
</tr>
<tr>
<td>60</td>
<td>31.37 (79.8)</td>
<td>1.13 – 5.61</td>
<td>0.50 – 2.90</td>
</tr>
</tbody>
</table>

### Optional Accessories

- **ET-PK100H** Ceiling Mount Bracket for High Ceilings
- **ET-PK100S** Ceiling Mount Bracket for Low Ceilings
- **ET-PK400B** Projector Mount Bracket
- **ET-SW100 Series** Early Warning Software
- **ET-LA400** Replacement Lamp Unit
- **ET-UW100™ Easy Wireless Stick**
- **ET-RFV410** Replacement Filter Unit (for PT-VZ585N/VW540/VX615N / VZ580/VW540/VX610)
- **ET-RFV400** Replacement Filter Unit (for PT-VZ470)
- **ET-YFB200G** DIGITAL LINK Switcher
- **ET-YFB100G** DIGITAL LINK Interface Box

### Dimensions

- **Width**: 389 (15-7/16")
- **Height**: 332 (13-1/4")

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*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.*

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*10 One-time USB drive installation is required upon initial USB cable connection. Supports Windows® only. Function is not available on Windows® 10.*
### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>PT-VZ585N</th>
<th>PT-VZ580</th>
<th>PT-VZ470**</th>
<th>PT-VW545N</th>
<th>PT-VW540</th>
<th>PT-VX615N</th>
<th>PT-VX610</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power supply</strong></td>
<td>AC 120 V, 50/60 Hz (North America), AC 110 V, 60 Hz (Taiwan), AC 100–240 V, 50/60 Hz (other countries)</td>
<td></td>
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</tr>
<tr>
<td><strong>Power consumption</strong></td>
<td>400 W (North America, 410 W [other countries])</td>
<td>372 W (North America), 378 W (other countries)</td>
<td>385 W (North America, 400 W [other countries])</td>
<td>410 W (North America), 460 W (other countries)</td>
<td>400 W (North America), 400 W (Taiwan), 385 W (other countries)</td>
<td>385 W (other countries)</td>
<td>378 W (North America, 442 W [other countries])</td>
</tr>
<tr>
<td><strong>Steady state power consumption</strong></td>
<td><strong>Steady Mode</strong> (Eco)**</td>
<td>0.9 W (North America, Taiwan), 0.5 W [other countries]</td>
<td>0.3 W [North America, Taiwan], 0.4 W [other countries]</td>
<td>0.3 W (North America, Taiwan), 0.5 W [other countries]</td>
<td><strong>Steady Mode</strong> (Normal)</td>
<td>1.6 W</td>
<td>1.6 W</td>
</tr>
<tr>
<td><strong>Screen size (diagonal)</strong></td>
<td>30–300 inches</td>
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<tr>
<td><strong>Resolution</strong></td>
<td>1920 x 1200 pixels</td>
<td>1280 x 800 pixels [input signals that exceed this resolution will be converted to 1280 x 800 pixels]</td>
<td>1024 x 768 pixels [input signals that exceed this resolution will be converted to 1024 x 768 pixels]</td>
<td>1024 x 768 pixels [input signals that exceed this resolution will be converted to 1024 x 768 pixels]</td>
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<tr>
<td><strong>HDMI</strong></td>
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<tr>
<td><strong>Audio</strong></td>
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</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>389 x 125.9 x 332 mm (15-1/3 x 4-15/32 x 13&quot;&quot;)</td>
<td></td>
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<tr>
<td><strong>Weight</strong>:</td>
<td>Approximately 4.9 kg (10.8 lbs)</td>
<td>Approximately 4.9 kg (10.8 lbs)</td>
<td>Approximately 4.8 kg (10.6 lbs)</td>
<td>Approximately 4.8 kg (10.6 lbs)</td>
<td>Approximately 4.8 kg (10.6 lbs)</td>
<td>Approximately 4.8 kg (10.6 lbs)</td>
<td>37 dB (lamps power: Normal), 35 dB (lamp power: EC0), 29 dB (lamp power: EC0)</td>
</tr>
<tr>
<td><strong>Operating environment</strong></td>
<td>Indoor temperature: 0°C to 40°C (32°F to 104°F), Altitude: up to 3,000 m (9,842 ft), approximately 55% RH (no condensation)</td>
<td>Indoor temperature: 0°C to 40°C (32°F to 104°F), Altitude: up to 3,000 m (9,842 ft), approximately 55% RH (no condensation)</td>
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</tr>
<tr>
<td><strong>Supplied accessories</strong></td>
<td>Wireless remote control unit × 1, Power cord with power cord holder x 1 (x 2 for UK and Asia), Software CD-ROM × 1 (Operating instructions, Multi Monitoring and Control Software, panasonic.net/cns/projector, <a href="http://www.youtube.com/user/PanasonicProjector">www.youtube.com/user/PanasonicProjector</a>, <a href="http://www.facebook.com/panasonicprojector">www.facebook.com/panasonicprojector</a>)</td>
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**For more information about Panasonic projectors, please visit:**

Projector Global Website: [panasonic.net/cns/projector](http://panasonic.net/cns/projector)

Facebook: [www.facebook.com/panasonicprojector](http://www.facebook.com/panasonicprojector)

YouTube: [www.youtube.com/user/PanasonicProjector](http://www.youtube.com/user/PanasonicProjector)

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*1 PT-VZ570 is not available in Taiwan. *2 When the Standby Mode is set to eCO, network functions such as Power On via LAN will not operate. Also, only certain commands can be received for external control using the serial terminal. *3Measurement, measuring conditions, and methods of notation all comply with ISO 21118 international standards. *4 Pixel-repetition signal (dot clock frequency: 27.0 MHz) only. *5 No output when projector is on standby. *6 Average value. May differ depending on the actual unit. *7 With legs at shortest position. *8 When operating temperature is between 35 °C (95 °F) and 40 °C (104 °F) , lamp power automatically switches to ECO in order to protect the projector.

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