BRIGHT IDEAS MAKE TEAMWORK EASY

Panasonic BUSINESS

PT-VZ580 Series LCD Projectors

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

PT-VZ470

Worldwide Olympic Partner
Worldwide Paralympic Partner
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

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<th>PT-VZ470</th>
<th>PT-VW545N</th>
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<th>PT-VX615N</th>
<th>PT-VX610</th>
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<tbody>
<tr>
<td>Resolution</td>
<td>WUXGA</td>
<td>WXGA</td>
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<td>5,500 lm</td>
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<td>16,000:1</td>
<td>10,000:1</td>
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<tr>
<td>DIGITAL LINK</td>
<td>✔</td>
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<td>✔</td>
<td>–</td>
<td>✔</td>
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</tr>
</tbody>
</table>
Supreme Imaging Power

Brilliant High-Quality Pictures

WUXGA (1920 x 1200 pixel) resolution native to the PT-VZ585N/VZ580/VZ470 brings crisp HD to meeting spaces and classrooms for immersive viewing. With high brightness of up to 5,500 lm*1 and an increased 16,000:1 contrast ratio*2, your audience is treated to vivid colors, ink-black blacks, pure highlights, and clearly legible text reproduction.

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*3 to minimize waste. Lamp life is also extended to 7,000 hours in EC02 mode*4, 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. * With Daylight View Basic set to AUTO mode.

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.

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.

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

Supported on Windows®, PCs 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.

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.
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 Manager ME 6.4
Included Panasonic Wireless Manager software for Mac and Windows® PC lets you cast media from the screen of your computer via wireless LAN with a host of display options right at your fingertips.

Single-Cable DIGITAL LINK Connection
(PT-VZ585N/VW545N/VX615N Only)
DIGITAL LINK transmits uncompressed video, audio, and control commands through a single CAT 5e or higher STP cable for distances of up to 150 m (492 ft)*6 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.

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.

Supports IEEE802.1X Protocol (PT-VZ585N/VW545N/VX615N Only)
Only authenticated users can connect to the IEEE802.1X network (EAP* 7 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*8 (PT-VZ585N/VW545N/VX615N Only)
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
Images are automatically rotated depending on installation orientation—upside down on the ceiling or set on a table—using a built-in angle sensor.

*6 150 m (492 ft) transmission available only with ET-YFB200G DIGITAL LINK Switcher in Long Reach Mode for signals up to 1080p. *7 EAP: Extensible Authentication Protocol. *8 Availability of the ET-UW100 Easy Wireless Stick varies depending on country. *9 Manual setting also available via setup menu.
Horizontal, Vertical, and Corner Keystone Correction

- Emulation Mode
- Crenson Connected™, AMX DD, and PJLink™ Compatible
- Easy Monitoring and Control Over LAN
- Auto Input Signal Search
- Early Warning Software Compatible (optional)
- Startup Login Function
- Presentation Support Function
- Audio Standby Mode
- Digital Zoom Function
- Anti-theft Features
- Closed Captioning (NTSC)

### Terminales

#### PT-VZ585N/VW545N/VX615N

| 1. COMPUTER 2 IN / 1 OUT terminal |
| 2. COMPUTER 1 IN terminal |
| 3. HDMI IN terminal |
| 4. HDMI 2 IN terminal |
| 5. USB A (DISPLAY) terminal (VZ585N/VW545N/VX615N only) |
| 6. USB B (DISPLAY) terminal (VZ585N/VW545N/VX615N only) |
| 7. LAN terminal (VZ585N/VW545N/VX615N only) |
| 8. SERIAL IN terminal |
| 9. SERIAL OUT terminal |
| 10. VIDEO IN terminal |
| 11. AUDIO IN 3 terminal |
| 12. AUDIO IN 1 terminal |
| 13. AUDIO IN 2 (MIC IN) terminal (VZ585N only) |
| 14. AUDIO IN 2 IN terminal (PT-VZ585N/VW545N/VX615N/VZ475/VW540/VX610) |
| 15. VARIABLE AUDIO OUT terminal |

#### PT-VZ580/VW540/VX610

| 1. COMPUTER 1 1 IN terminal |
| 2. COMPUTER 1 IN / 1 OUT terminal |
| 3. HDMI IN terminal |
| 4. HDMI 2 IN terminal |
| 5. USB A (DISPLAY) terminal (VZ580/VW540/VX610 only) |
| 6. USB B (DISPLAY) terminal (VZ580/VW540/VX610 only) |
| 7. LAN terminal (VZ580/VW540/VX610 only) |
| 8. SERIAL IN terminal |
| 9. SERIAL OUT terminal |
| 10. VIDEO IN terminal |
| 11. AUDIO IN 3 terminal |

#### PT-VX610

| 1. COMPUTER 1 IN terminal |
| 2. COMPUTER 1 IN / 1 OUT terminal |
| 3. HDMI IN terminal |
| 4. HDMI 2 IN terminal |
| 5. USB A (DISPLAY) terminal |
| 6. USB B (DISPLAY) terminal |
| 7. LAN terminal (VZ585N/VW545N/VX615N only) |
| 8. SERIAL IN terminal |
| 9. SERIAL OUT terminal |
| 10. VIDEO IN terminal |
| 11. AUDIO IN 3 terminal |
| 12. AUDIO IN 1 terminal |
| 13. AUDIO IN 2 (MIC IN) terminal (VZ585N only) |
| 14. AUDIO IN 2 IN terminal (PT-VZ585N/VW545N/VX615N/VZ475/VW540/VX610) |

### Curved Screen Correction

#### Default Screen Image Size

<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>3.85 x 2.60</td>
<td>1.50 x 1.05</td>
<td>0.05 x 0.09</td>
</tr>
<tr>
<td>40</td>
<td>8.09 x 5.40</td>
<td>3.81 x 2.60</td>
<td>0.11 x 0.09</td>
</tr>
<tr>
<td>50</td>
<td>10.18 x 6.70</td>
<td>5.03 x 3.40</td>
<td>0.15 x 0.15</td>
</tr>
<tr>
<td>60</td>
<td>11.65 x 7.70</td>
<td>6.25 x 4.20</td>
<td>0.19 x 0.19</td>
</tr>
<tr>
<td>70</td>
<td>12.68 x 8.70</td>
<td>7.47 x 5.20</td>
<td>0.23 x 0.21</td>
</tr>
<tr>
<td>80</td>
<td>13.68 x 9.70</td>
<td>8.69 x 6.20</td>
<td>0.27 x 0.26</td>
</tr>
<tr>
<td>90</td>
<td>14.68 x 10.70</td>
<td>9.90 x 7.20</td>
<td>0.31 x 0.33</td>
</tr>
<tr>
<td>100</td>
<td>15.67 x 11.70</td>
<td>11.11 x 8.20</td>
<td>0.35 x 0.39</td>
</tr>
</tbody>
</table>

### USB Display Function (PT-VZ585N/VW545N/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.

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

### Optional accessories

- ET-PK1100H Ceiling Mount Bracket for High Ceilings
- ET-PK1100S Ceiling Mount Bracket for Low Ceilings
- ET-PK400B Projector Mount Bracket
- ET-SWA100 Series Early Warning Software
- ET-LA400 Replacement Lamp Unit
- ET-UW100 Easy Wireless Stick
- ET-RFV400 Replacement Filter Unit (for PT-VZ585N/VW545N/VX615N/VZ470)
- ET-RFV410 Replacement Filter Unit (for PT-VZ580/VW540/VX610)
- ET-YF8200G DIGITAL LINK Switcher
- ET-YF8100G DIGITAL LINK Switcher
- ET-EM100G Replacement Filter Unit
### Specifications

**Model:**
- PT-VZ585N
- PT-VZ800
- PT-VZ470**
- PT-VW55SN
- PT-VW540
- PT-VX615N
- PT-VX610

**Power supply:**
- AC 120 V, 50/60 Hz (North America), AC 110 V, 60 Hz [Taiwan], AC 100–240 V, 50/60 Hz (other countries)

**Power consumption:**
- 400 W [North America], 410 W [other countries]
- 372 W [North America], 378 W [other countries]
- 385 W [North America], 400 W [other countries]

**Standby power consumption:**
- Standby Mode [North America]:
  - Off: 0.5 W
  - On: 5.5 W
- Standby Mode [Taiwan]:
  - Off: 0.4 W
  - On: 5.0 W
- Standby Mode [other countries]:
  - Off: 0.2 W
  - On: 4.8 W

**LCD panel:**
- Panel size: 0.64 inches (1.63 cm) [16:10 aspect ratio], 0.63 inches (1.60 cm) [4:3 aspect ratio]
- Display method: Transparent LCD panel (x, 3, 0, G, R, B)
- Display resolution: 1,920 × 1,200 pixels [total of 2,307,000 pixels]

**Throw ratio:**
- Manual zoom throw ratio: 1.00–1.71:1
- Manual focus: F1.60–1.90, 115.31–24.64 mm
- Auto zoom throw ratio: 1.17–1.71:1
- Auto focus: F1.60–1.90, 115.31–24.64 mm

**Lamp:**
- 280 W UHM lamp × 1
- 280 W UHM lamp × 1

**Screen size (diagonal):**
- 30–300 inches

**Brightness:**
- 5,000 lm [input signal: PC, lamp power: Normal, picture mode: Dynamic, iris: On, Daylight View: Off, Auto Power Save: Off]

**Contrast:**
- 10,000:1 [all white/black] [input signal: PC, lamp power: Normal, picture mode: Dynamic, iris: On, Daylight View: Off, Auto Power Save: Off]
- 8,000:1 [all white/black] [input signal: PC, lamp power: Normal, picture mode: Dynamic, iris: Off, Daylight View: Off, Auto Power Save: Off]

**Resolution:**
- 1920 × 1200 pixels
- 2400 × 1800 pixels
- 3840 × 2160 pixels

**Scanning frequency:**
- 48/50/52/59.94 Hz
- 50/56 Hz
- 50/57 Hz
- 59.94 Hz
- 60 Hz

**RGB (analog):**
- Displayable resolution: 640 × 480 to 1920 × 1200
- Displayable frequency: 25 MHz to 162 MHz

**YPbP (PbC):**
- Displayable resolution: 640 × 400 to 1920 × 1200
- Displayable frequency: 15.73 kHz to 75 kHz

**Video:**
- Displayable resolution: 640 × 480 to 1920 × 1200
- Displayable frequency: 15.73 kHz to 75 kHz

**Operational noise:**
- 37 dB (lamp power: Normal)
- 35 dB (lamp power: ECO1)
- 29 dB (lamp power: ECO2)

**Keystone correction range:**
- Vertical: ±25 ° (auto/manual, input: WXGA), Horizontal: ±30 ° (manual)

**Auto Power Save:**
- OFF

**Power consumption:**
- Standby Mode (Normal):
  - 0.3 W [North America, Taiwan], 400 W [North America], 410 W [other countries]
  - 385 W [North America], 400 W [other countries]

**Cabinet materials:**
- Molded plastic

**Dimensions:**
- 389 × 125 × 332 mm [15-13/16" × 4-29/32" × 13-1/16"]

**Weight:**
- 10.8 lbs (~5 kg)

**Weights and dimensions are approximate. Specifications and appearance are subject to change without notice. Product availability depends on region and country. This product may be subject to export control regulations. The projection distance, throw ratios given in this leaflet are intended only as guidelines. For more information about Panasonic projectors, please visit:**

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**For more information about Panasonic projectors, please visit:**
- Projector Global Website – panasonic.net/cns/projector
- YouTube – www.youtube.com/user/PanasonicProjector