BRIGHT IDEAS MAKE TEAMWORK EASY
Supreme Imaging Power

Brilliant High-Quality Pictures

WXGA (1280 x 800 pixel) resolution native to the PT-VZ585N/VZ580/VZ470 brings crisp Full HD to meeting spaces and classrooms for immersive viewing. With high brightness of up to 5,500 lm*1, an increased 16,000:1 contrast ratio*2, your audience is treated to vivid colors, inky blacks, pure highlights, and clearly legible text reproduction.

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.

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 twice to minimize waste. Lamp life is also extended to 7,000 hours in ECO2 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.

Quiet Operation

Technologies combine to keep noise levels down to just 29 dB*5, 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

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.

Supports Multiple Display Modes

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

Duplicate Mode

Mirror your device’s screen on the projector screen.

Extend Mode

Use a projection surface as an extended PC screen.

Second Screen Only

Make the projector screen your extended PC screen.

Moderator Mode and Cut-In Function

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.

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.

*1 For PT-VW545N/VW540/VX615N/VX615. PT-VZ585N/VZ580 features 5,000 lm and PT-VZ470 features 4,400 lm of brightness. *2 Excluding PT-VZ470. PT-VX615N/VX615 features 10,000:1 contrast ratio. *3 Filter replacement cycle is calculated based on time when projector’s built-in sensor measures ambient light while Daylight View Basic adjusts halftone color and brightness to suit ambient illumination. *4 With Daylight View Basic set to AUTO mode. *5 With Lamp Mode set to ECO2. 37 dB in Normal Mode and 35 dB in ECO1 Mode.
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 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.

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<th>LCD Projectors</th>
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<td>DIGITAL LINK</td>
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<td>Resolution</td>
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<td>Resolution</td>
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<tr>
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<td>Contrast</td>
<td>16,000:1</td>
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<td>Wireless</td>
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<td>DIGITAL LINK</td>
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<tr>
<td>Resolution</td>
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<td>Brightness</td>
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<td>Resolution</td>
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<td>Wireless</td>
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<td>DIGITAL LINK</td>
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</table>
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.

Memory Viewer (PT-VZ585N/VW545N/VX615N Only)
You don’t need a computer to start presenting—just insert a USB memory device containing image files and start projecting straight away. A simple Graphical User Interface (GUI) assures a smooth and stress-free presentation.

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) 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.

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.

Memory Viewer (PT-VZ585N/VW545N/VX615N Only)
You don’t need a computer to start presenting—just insert a USB memory device containing image files and start projecting straight away. A simple Graphical User Interface (GUI) assures a smooth and stress-free presentation.

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.

* 40% for PT-VZ680, PT-VX610.
Note: Diagram for PT-VZ585N/VW545N shown.
### 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.

![Images can be projected onto curved surfaces.](image)

### 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.

### Additional Features

- DC OUT Terminal (PT-VZ580/VW540/VX610 Only)
- Direct Power On
- Built-in 10 W Speaker
- ECO Management Function
- Whiteboard and Blackboard Mode
- Emulation Mode
- Crestron Connected™, AMX DD, and PJLink™ Compatible
- Easy Monitoring and Control Over LAN
- Auto Input Signal Search
- Early Warning Software Compatible (Option)
- Startup Login Function
- Presentation Support Function
- Audio Standby Mode
- Digital Zoom Function
- Anti-Theft Features
- Closed Captioning (NTSC)

### Terminals

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<th>PT-VZ580 / VW540 / VX610</th>
<th>PT-VZ470</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. COMPUTER IN / OUT terminal</td>
<td>1. COMPUTER IN terminal</td>
<td>1. COMPUTER IN terminal</td>
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<td>2. COMPUTER IN terminal</td>
<td>2. COMPUTER IN terminal</td>
<td>2. COMPUTER IN terminal</td>
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<td>3. HDMI 1 IN Terminal</td>
<td>3. HDMI 1 IN Terminal</td>
<td>3. HDMI 1 IN Terminal</td>
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<tr>
<td>4. HDMI 2 IN terminal</td>
<td>4. HDMI 2 IN terminal</td>
<td>4. HDMI 2 IN terminal</td>
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<tr>
<td>5. USB A (DISPLAY) terminal</td>
<td>5. USB A (VIEWER) terminal</td>
<td>5. USB A (VIEWER) terminal</td>
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<tr>
<td>6. DIGITAL LINK terminal</td>
<td>6. DIGITAL LINK terminal</td>
<td>6. DIGITAL LINK terminal</td>
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<tr>
<td>7. DIGITAL LINK, LAN terminal</td>
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<td>8. LAN terminal</td>
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<td>9. LAN terminal</td>
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<tr>
<td>10. SERIAL IN terminal</td>
<td>10. SERIAL IN terminal</td>
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<td>11. VIDEO IN terminal</td>
<td>11. VIDEO IN terminal</td>
<td>11. VIDEO IN terminal</td>
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<td>12. AUDIO IN 1 terminal</td>
<td>12. AUDIO IN 1 terminal</td>
<td>12. AUDIO IN 1 terminal</td>
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<td>13. AUDIO IN 2 terminal</td>
<td>13. AUDIO IN 2 terminal</td>
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<td>14. DIGITAL LINK switcher</td>
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<td>16. VARIABLE AUDIO OUT terminal</td>
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</table>

### Projection distance (Unit: meters [feet])

#### PT-VZ585N / VW570 / VZ470

<table>
<thead>
<tr>
<th>Diagonal (inch) min. (wide) max. (tele)</th>
<th>Projection image size</th>
<th>Projection distance ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>50,0</td>
<td>75.0</td>
</tr>
<tr>
<td>120</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>144</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>160</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>192</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>230</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>250</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>300</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>330</td>
<td>50,0</td>
<td>75.0</td>
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<tr>
<td>360</td>
<td>50,0</td>
<td>75.0</td>
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</tbody>
</table>

* DC OUT terminal (PT-VZ580/VW540/VX610 Only) requires the use of a USB A cable for initial installation. Supports Windows® PC only. Function is not available on Windows® 10. *10 Part number suffix may differ depending on the license type.

### Optional accessories

- **ET-PK100H** Ceiling Mount Bracket for High Ceilings
- **ET-LA400** Replacement Lamp Unit
- **ET-UW100** Easy Wireless Stick
- **ET-RFV410** Replacement Filter Unit (For PT-VZ585N/VZ470/VW545N/VX615N/VX610
  | 10) (For PT-VZ470/VW545N/VX615N/VX610
  | 10)
- **ET-RFV400** Replacement Filter Unit (For PT-VZ470/VW545N/VX615N/VX610
  | 10)
- **ET-SWA100** Series™ Early Warning Software
- **ET-YFB200G** DIGITAL LINK Switcher
- **ET-YFB100G** Digital Interface Box

**Note:** ET-PK100H is used in combination with ET-RFV410 (sold separately).

### Dimensions

<table>
<thead>
<tr>
<th>Unit: mm (inches)</th>
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<tr>
<td>318 (12-5/32)</td>
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</table>

* The values 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.
### Specifications

#### Model
- PT-VZ585N
- PT-VZ580
- PT-VW545N
- PT-WV640
- 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)
- 385 W (North America), 400 W (other countries)

#### Stanady Multi/ECO**
- Standard: 40 W (North America), Taiwan), 40 W (other countries)
- 0.3 W (North America, Taiwan), 0.5 W (other countries)

#### LCD panel
- Panel size: 9.6 inches (16:10 aspect ratio)
- 0.63 inches (4:3 aspect ratio)

#### Projector method
- Display method: Transparent LCD panel 3/4 (R/0/1)

#### Resolution
- 1280 x 800 pixels (Input signals that exceed this resolution will be converted to 1280 x 800 pixels)
- 4096 x 2160 pixels (Input signals that exceed this resolution will be converted to 4096 x 2160 pixels)

#### Scanning frequency
- 60 Hz, 60 Hz

#### Brightness*
- 280 W UHM lamp 270 W UHM lamp 280 W UHM lamp

#### Lamp life
- 5,000 hours (Normal), 5,000 hours (ECO)

#### Contrast*
- 1,000:1 (all white/all black) (Normal)

#### Keystone correction range

#### Installation
- Front ceiling/Front desk/Rear ceiling/Rear desk

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

#### Contrast**
- 16,000:1 (all white/all black) (input: PC, lamp power: Normal, picture mode: Dynamic, Iris: On, Daylight View: OFF, Auto Power Save: OFF)

#### Projection distances and throw ratios given in this leaflet are intended only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product.

#### All information included here is valid as of April 2022.

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*1 PT-VZ570is 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. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *4 Pixel repetition signal (dot clock frequency: 270 MHz) only. *5 No output when projector is on standby. *6 Average value may differ depending on the actual use. *7 When using built-in microphone, the vertical throw ratio is between 5.05 (PT-VZ570) and 5.04 (PT-VZ580). *8 Power lamp automatically switches to ECO in order to protect the projector.

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### Built-in wireless LAN
- Standard: 2.4 GHz: IEEE802.11b/g/n, 5 GHz: IEEE802.11a/n
- Infrastructure Mode: WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)
- 128-bit/64-bit WEP,
- WPA-EAP/WPA2-EAP (PSK/CHAP/2/ch) EAP-FAST (MS-CHAP/2/ch) EAP-TTLS (MS/MS-CHAP2), 128-bit/64-bit WEP,
- WPA-EAP/WPA2-EAP (PSK/CHAP/2/ch) EAP-FAST (MS-CHAP/2/ch) EAP-TTLS (MS/MS-CHAP2), 128-bit/64-bit, Miracast

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### Notes
- Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.