



Short-Throw Projectors Promote Effective Communication Without Screen Shadowing

Main Features

01 | Beautiful Pictures, No Shadows

Packing high-contrast brilliance into a compact body, the PT-TW381R Series serves interactive*1 images and can produce an 80-inch picture from throw-distances of 80 cm*2 or less with no shadows on screen.

02 | Low-Maintenance Reliability and Low TCO

Central to high reliability and low running cost is a new low-degradation lamp engineered for 20,000 hours*3 of operation. Air filter lasts up to 10,000 hours*4, setting you up for dependable set-and-forget projection.

03 | Wide Connectivity with Optional Wireless Projection

Play and switch HD content*5 from your teams' laptops via dual HDMI® and D-sub inputs*6, or use the USB terminal to mirror your device screen via optional wireless module*7. USB DC can power a streaming device*8 for media casting without cable clutter.



* Requires optional ET-WML100 (stock limited)/AJ-WM50 series wireless modules. ET-WML100 Series and AJ-WM50 Series devices are both compatible with all projectors in this series, and either can be used to enable the wireless network function.



* PT-TW381R only



PT-TW381R Series

| | PT-TW381R | PT-TW380 | PT-TX440 | PT-TX350 |
|--------------|-----------|----------|----------|----------|
| Light Output | 3,300 lm | | 3,800 lm | 3,200 lm |
| Resolution | WXGA | | | XGA |

*1 PT-TW381R only. *2 80 cm for the PT-TW381R/PT-TW380 and 75 cm for the PT-TX440/PT-TX350 when projecting an 80-inch image. *3 Lamp life is approximately 20,000 hours in Eco Mode and approximately 10,000 hours in Normal/Quiet Mode. Replacement timing varies depending on operating environment and usage conditions. *4 Filter life is approximately 10,000 hours in Quiet Mode, approximately 6,000 hours in Eco Mode, and approximately 5,000 hours in Normal Mode. Replacement timing varies depending on operating environment and usage conditions. *5 Content exceeding the projector's panel resolution is converted upon projection. *6 D-sub Computer Input 2 is shared with Computer Out. *7 ET-WML100 (stock limited)/AJ-WM50 series wireless modules are subject to regional availability. ET-WML100 Series and AJ-WM50 Series devices are both compatible with all projectors in this series, and either can be used to enable the wireless network function. When using the Wireless Projector app, display resolution differs depending on your iOS/Android™ device and the display device. The maximum supported display resolution is WXGA (1280 x 800). *8 Compatibility with all third-party devices cannot be guaranteed.

Pitch Big Pictures from Close Up

Give your staff a communication edge with 3,800 lm^{*1} brightness and 20,000:1 contrast in small meeting spaces or classrooms. Graphics, text, and video are rendered with vibrant definition even under lights. The projectors support throw-distances of 80 cm^{*2} or less for an 80-inch image, placing the lens in front of the presenter to prevent their shadow falling across the screen.

Long-life Lamp and Filter Reduce TCO

A new 20,000-hour^{*3} lamp reduces your maintenance overheads compared to conventional lamp projectors thanks to low-degradation materials and improved cooling, while filter replacement is pushed back to 10,000 hours^{*4}. Early Warning^{*5} functions virtually eliminate unscheduled downtime, reinforcing reliability in permanent installations.

^{*1} Brightness is 3,300 lm for the PT-TW381R/TW380, 3,200 lm for the PT-TX350, and 3,800 lm for the PT-TX440. ^{*2} 80 cm for the PT-TW381R/PT-TW380 and 75 cm for the PT-TX440/PT-TX350 when projecting an 80-inch image. ^{*3} Lamp life is approximately 20,000 hours in Eco Mode and approximately 10,000 hours in Normal/Quiet Mode. Replacement timing varies depending on operating environment and usage conditions. ^{*4} Filter life is approximately 10,000 hours in Quiet Mode, approximately 6,000 hours in Eco Mode, and approximately 5,000 hours in Normal Mode. Replacement timing varies depending on operating environment and usage conditions. ^{*5} Early Warning Functions (ET-SWA100 Series) are included free with Multi Monitoring & Control Software Ver. 2.0 and later, but require a paid license key and activation at the PASS website to continue usage after a 90-day trial period has expired. Visit panasonic.net/cns/projector/products/mnccs for more information. ^{*6} D-sub Computer Input 2 is shared with Computer Out. ^{*7} ET-WML100 (stock limited)/AJ-WM50 series wireless modules are subject to general availability. ET-WML100 Series and AJ-WM50 Series devices are both compatible with all projectors in this series, and either can be used to enable the wireless network function. ^{*8} Compatibility with all third-party devices cannot be guaranteed. ^{*9} Download LightPen3 Software for Windows®/Mac from the Panasonic website at panasonic.net/cns/projector/download. Please check device, OS version, and driver requirements before download and installation.

Specifications

| Model | PT-TW381R | PT-TW380 | PT-TX440 | PT-TX350 |
|---|---|----------|----------|----------|
| Projector type | LCD projector | | | |
| LCD panel | 15.0 mm (0.59 in) diagonal (16:10 aspect ratio) | | | |
| Panel size | 1,024,000 (1280 x 800 pixels) x 3 | | | |
| Number of pixels | 786,432 (1024 x 768 pixels) x 3 | | | |
| Light source | 230 W x 1 lamp | | | |
| Light output ^{*1} | 3,300 lm | | | |
| Lamp replacement cycle ^{*2} | Normal: 10,000 h/Eco: 20,000 h/Quiet: 10,000 h | | | |
| Filter replacement cycle | Normal: 5,000 h/Eco: 6,000 h/Quiet: 10,000 h | | | |
| Resolution | 1280 x 800 pixels | | | |
| Contrast ratio ^{*1} | 20,000:1 (All white/all black, Iris: On, Image mode: Dynamic, Daylight View: Off, Lamp control: Normal) | | | |
| Screen size (diagonal) | 1.27–2.54 m (50–100 in), 16:10 aspect ratio | | | |
| Center-to-corner zone ratio ^{*1} | 85 % | | | |
| Lens | Fixed zoom, manual focus lens, F = 1.8, f = 6.08 mm, throw ratio: 0.46:1 (Projection distance: 0.80 m [2.62 ft] for 80-inch image) | | | |
| Keystone correction range | Vertical: ±15 ° (Auto, Manual), Horizontal: ±15 ° (Manual) | | | |
| Installation | Ceiling/desk, front/rear | | | |
| Terminals | HDMI 19-pin x 2 (Compatible with HDCP 1.4, Deep Color), Audio signal: Linear PCM (Sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz) | | | |
| HDMI 1 IN/HDMI 2 IN | D-sub HD 15-pin (female) x 1 [RGB/YPbPr/YC] | | | |
| COMPUTER 1 IN | D-sub HD 15-pin (female) x 1 [RGB/YPbPr] (Input/output switching) | | | |
| COMPUTER 2 IN/1 OUT | Pin jack x 1 | | | |
| VIDEO IN | M3 (L,R) x 1 | | | |
| AUDIO IN 1 | Pin jack x 2 (L,R) | | | |
| AUDIO IN 2 | M3 (L,R) x 1 (Variable) | | | |
| AUDIO OUT | RJ-45 x 1 for network connection, 10Base-T/100Base-TX, PLink™ (Class 2) compatible | | | |
| LAN | D-sub 9-pin (female) x 1 for external control (RS-232C compatible) | | | |
| SERIAL IN | USB Type-A (for Memory Viewer/Wireless Module [ET-WML100/AJ-WM50 series ^{*3}]/Power supply [DC 5 V/2 A]) | | | |
| USB | x 1 (Mini-USB connector for interactive function) | | | |
| Mini USB | — | | | |
| Power supply | AC 100–240 V, 50/60 Hz | | | |
| Power consumption | 300 W | | | |
| Built-in speaker | 10 W monoaural | | | |
| Operation noise ^{*1} | Normal: 38 dB, Eco: 35 dB, Quiet: 30 dB | | | |
| Dimensions (W x H x D) | 335 x 134.1 ^{*4} x 329 mm (13 3/16" x 5 9/32" ^{*4} x 12 15/16") | | | |
| Weight ^{*5} | Approx. 3.9 kg (8.6 lbs) | | | |
| Operating environment | Operating temperature ^{*6} : Normal use: 5–40 °C (41–104 °F) at altitudes less than 1,400 m (4,593 ft); 5–35 °C (41–95 °F) at altitudes of 1,400–2,700 m (4,593–8,858 ft); Operating humidity: 20–80 % (No condensation) | | | |
| Applicable software | Multi Monitoring & Control Software, Early Warning Software, Logo Transfer Software, Presenter Light Software (for Windows [®]) ^{*7} , Wireless Projector for iOS/Android [™] ^{*8} , LightPen3 Software for Windows/Mac, Whiteboard Software (for Windows) | | | |

^{*1} Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ^{*2} Lamp replacement cycle stated is maximum value, at which time brightness will have decreased to 50 %. Usage environment affects lamp replacement cycle. ^{*3} ET-WML100 Series and AJ-WM50 Series devices are both compatible with all projectors in this series, and either can be used to enable the wireless network function. ^{*4} With legs at shortest position. ^{*5} Average value. May differ depending on the actual unit. ^{*6} When [LAMP POWER] is set to [NORMAL] and the projector is operated at an elevation of 1,400 m (4,593 ft) or less, if the ambient temperature exceeds 35 °C (95 °F), [LAMP POWER] will be switched to [ECO] automatically to protect the projector. When [LAMP POWER] is set to [NORMAL] and the projector is operated at an elevation between 1,400 m (4,593 ft) and 2,700 m (8,858 ft), if the ambient temperature exceeds 30 °C (86 °F), [LAMP POWER] will be switched to [ECO] automatically to protect the projector. ^{*7} When using Presenter Light Software, images are projected with 1280 x 800 dots or 1024 x 768 dots onto the screen. Also, your PC display resolution may be forcibly changed, and audio playback disrupted or become noisy, while images and sound are being transmitted. ^{*8} When using the Wireless Projector app, display resolution differs depending on your iOS/Android[™] device and the display device. The maximum supported display resolution is WXGA (1280 x 800).

Optional Accessories

- Ceiling Mount Bracket**
 ET-PKL100H^{*} (for high ceiling) / ET-PKL100S^{*} (for low ceiling)
^{*} ET-PKL100H/ET-PKL100S is used in combination with the ET-PKL430B (sold separately).
- Replacement Filter Unit**
 ET-RFL300
 Note: Filter cover not included.
- Replacement Lamp Unit**
 ET-LAL510
- Interactive Light Pen**
 ET-PEN100
 Note: Exclusively for PT-TW381R. Same as supplied Interactive Light Pen.
- Interactive Pointer**
 ET-PNT100
 Note: Exclusively for PT-TW381R.
- Wireless Module**
 ET-WML100 (stock limited)/AJ-WM50 series^{*}
^{*} Product availability may vary by country or region. ET-WML100 Series and AJ-WM50 Series devices are both compatible with all projectors in this series, and either can be used to enable the wireless network function.
- D-sub/S-VIDEO Conversion Cable**
 ET-ADS5V
- Early Warning Software**
 ET-SWA100 Series
 Note: Part number suffix may differ depending on the license type. Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: <https://panasonic.net/cns/projector/download/application/>

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

All information included here is valid as of August 2020.

TW381Rseries_G1 Printed in Japan.

Other Features

- Daylight View Lite optimizes images to suit ambient lighting
- Built-in 10 W mono speaker, mic input, and variable audio output
- Easy on-ceiling lamp and filter access via side- and top-panel doors
- Multi Monitoring & Control Software with Early Warning^{*5} functions manages up to 2,048 projectors via PC
- Supports control solutions including PJ Link[™] via LAN and RS-232C
- Custom start-up logo and security bar theft-deterrence