



## Step Out of the Shadows with Flexible WUXGA<sup>1</sup> Short-Throw Laser Projection

### ■ Main Features

#### 01 | Project Anywhere Instantly from Short Distances

Project an 80-inch image from 73 cm<sup>4</sup> (2.40 ft) and avoid shadows on screen. Compact 4.9 kg (10.8 lbs) body is highly portable and easy to install with Digital Zoom Extender and Image Shift function. Start work instantly: project from standby in about one second<sup>5</sup> and hold attention with quiet 24 dB<sup>6</sup> operation.

#### 02 | Efficient Reliability with Minimal Maintenance

SOLID SHINE Laser and reusable ECO Filter last for 20,000 hours<sup>7</sup> with no lamp or filter maintenance hassles. With eco-friendly 240 W power consumption that's 20 %<sup>8</sup> lower than conventional lamp-based models, TMZ400 Series provides more sustainable projection with less cost and waste.

#### 03 | Crisp, Sharp Images and Text at WUXGA<sup>1</sup>

With up to 4,000 Im<sup>9</sup>, 3,000,000:1<sup>10</sup> Dynamic Contrast, and Daylight View Basic, TMZ400 Series has power to cut through bright ambient light and deliver sharp, clear pictures. WUXGA<sup>1</sup> LCD panels display content at its original aspect ratio and clearly define text for easy visibility.



PT-TMZ400 Series

	PT-TMZ400	PT-TMW380	PT-TMX380
Light Output	4,000 Im <sup>9</sup>	3,800 Im <sup>9</sup>	
Resolution	WUXGA	WXGA	XGA

<sup>1</sup> PT-TMZ400: WUXGA (1920 x 1200), PT-TMW380: WXGA (1280 x 800), PT-TMX380: XGA (1024 x 768). <sup>2</sup> Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots. PT-TMZ400: WUXGA (1920 x 1200), PT-TMW380: WXGA (1280 x 800), PT-TMX380: XGA (1024 x 768). <sup>3</sup> Optional AJ-WM50 Series Wireless Module required (sold separately). Product availability may vary by country or region. <sup>4</sup> For PT-TMZ400/TMW380, PT-TMX380 projects an 80-inch image from a throw distance of 75 cm (2.46 ft). <sup>5</sup> When [ECO MANAGEMENT] - [QUICK STARTUP] is set to [ON], [QUICK STARTUP] is unavailable after the [AVAILABLE PERIOD] setting has expired. When [QUICK STARTUP] is set to [ON], the projector continues to warm up, increasing power consumption. When [QUICK STARTUP] is set to [OFF], the standby period when the [QUICK STARTUP] function is valid will be added as the projector runtime. [QUICK STARTUP] cannot be set when [STANDBY MODE] is set to [ECO]. May vary depending on connection terminals, signals, and other conditions. <sup>6</sup> In QUIET Mode (35 dB in NORMAL/ECO Mode). <sup>7</sup> Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE] [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C [86 °F], elevation 700 m [2,297 ft] with 0.15 mg/m<sup>3</sup> of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. Filter cleaning cycle varies depending on the environment. Filter can be washed and reused up to two times (see Operating Manual for details). <sup>8</sup> Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>). <sup>9</sup> PT-TMZ400 (240 V maximum power consumption, AC 100-240 V) compared to PT-TMW380 (300 W maximum power consumption, AC 100-240 V) in NORMAL Mode. <sup>10</sup> When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and method of notation are all compliant with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. <sup>11</sup> Full On/Full Off, when [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [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.

## Clear Pictures, No Shadows

Project an 80-inch image from a distance of just 73 cm<sup>1</sup> (2.40 ft) without casting a shadow on the screen, perfect for small rooms. With up to 4,000 lm<sup>2</sup> of laser brightness, 3,000,000:1<sup>3</sup> Dynamic Contrast, and WUXGA<sup>4</sup> resolution, the light and compact TMZ400 Series delivers clear, sharp, shadow-free images with the room lights on and window blinds open.

## See More in WUXGA<sup>4</sup>

WUXGA<sup>4</sup> (1920 x 1200) LCD panels have an edge over Full HD (1920 x 1080) panels, expanding the image display area for spreadsheet and webpage projection and reproducing content at its original aspect ratio. Combined with powerful Dynamic Contrast, the higher resolution smooths and sharpens text for a comfortable visual experience.

1 For PT-TMZ400/TMW380, PT-TMX380 projects an 80-inch image from a throw distance of 75 cm (2.46 ft). 2 Refer to specifications for brightness values of individual models. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and method of notation are in compliance with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 3 Full On/Full Off, when [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [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. 4 PT-TMZ400: WUXGA (1920 x 1200), PT-TMW380: WXGA (1280 x 800), PT-TMX380: XGA (1024 x 768). 5 When [ECO MANAGEMENT] > [QUICK STARTUP] is set to [ON]. [QUICK STARTUP] is unavailable after the [AVAILABLE PERIOD] setting has expired. When [QUICK STARTUP] is set to [ON], the projector continues to warm up, increasing power consumption. When [QUICK STARTUP] is set to [ON], the standby period when the [QUICK STARTUP] function is valid will be added as the projector runtime. [QUICK STARTUP] cannot be set when [STANDBY MODE] is set to [ECO]. May vary depending on connection terminals, signals, and other conditions. 6 In QUIET Mode (35 dB in NORMAL/ECO Mode). 7 Depending on the connected CEC command-compatible device, the link control may not operate normally. 8 Optional AJ-WM50 Series Wireless Module (sold separately) is required to enable wireless functions including connection via QR code. Product availability may vary by country or region. Free software is available for Windows<sup>®</sup> PC at <https://panasonic.net/cns/projector/download/application/>. Panasonic Wireless Projector app available at the App Store or the Google Play store. Please check device and OS compatibility before download and installation. 9 Sold separately. Product availability may vary by country or region. For more information, visit <https://panasonic.net/cns/prodisplays/presit/>. 10 Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots. WUXGA (1920 x 1200), PT-TMW380: WXGA (1280 x 800), PT-TMX380: XGA (1024 x 768). 11 Around this time, light output will have decreased to approximately 50% of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of particulate matter). Estimated time until light output declines to 50% varies depending on environment. Filter cleaning cycle varies depending on the environment. Filter can be washed and reused up to two times (see Operating Manual for details). Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>). 12 PT-TMZ400 (240 W maximum power consumption, AC 100–240 V) compared to PT-TW381 Series (300 W maximum power consumption, AC 100–240 V) in NORMAL Mode. 13 PT-TMZ400 only. 14 Resolution decreases when using Digital Zoom Extender and Image Shift. Some screen correction functions are not available when using this function, and range of corner adjustment is limited. Image size reduced to 80% when Digital Image Shift is enabled.

## Specifications

Model	PT-TMZ400	PT-TMW380	PT-TMX380
Projector type	LCD projectors		
LCD panel	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)		
	Size	16.0 mm (0.63 in) diagonal (4:3 aspect ratio)	
	Pixels	2,304,000 (1920 x 1200) pixels	1,024,000 (1280 x 800) pixels
Light source	Laser diodes		
Light output <sup>1,2</sup>	4,000 lm	3,800 lm	
Time until light output declines to 50% <sup>3</sup>	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)		
Resolution	WUXGA (1920 x 1200 pixels)	WXGA (1280 x 800 pixels)	XGA (1024 x 768 pixels)
Contrast ratio <sup>1</sup>	3,000,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)		
Screen size (diagonal)	1.27–2.67 m (50–105 in), 16:10 aspect ratio		1.27–2.67 m (50–105 in), 4:3 aspect ratio
Center-to-corner zone ratio <sup>1</sup>	85%		
Lens	Fixed zoom, manual focus lens, F = 1.8, f = 6.08 mm, throw ratio: 0.43:1 (Projection distance: 0.73 m [2.40 ft] for 80-inch image)		Fixed zoom, manual focus lens, F = 1.8, f = 6.08 mm, throw ratio: 0.46:1 (Projection distance: 0.75 m [2.46 ft] for 80-inch image)
Digital Zoom Extender <sup>4</sup>	Throw ratio: 0.43–0.54:1 <sup>5</sup> (Corresponding value)		Throw ratio: 0.46–0.58:1 <sup>5</sup> (Corresponding value)
Keystone correction range	Vertical: ±15° (Auto, Manual), Horizontal: ±15° (Manual)		
Terminals	HDMI 1/2 IN	HDMI 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p <sup>6</sup> signal input), CEC supported <sup>7</sup>	
	COMPUTER 1 IN	D-sub 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)	
	COMPUTER 2 IN	D-sub 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)	
	AUDIO 1/2 IN	M3 stereo mini-jack x 2	
	AUDIO OUT	M3 stereo mini-jack x 1	
	SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)	
	LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX	
	USB (VIEWER/WIRELESS/DC OUT)	USB connector (Type A) x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A <sup>9</sup> )	
Protocol versions	IPv4		
Power supply	AC 100 V–240 V, 50/60 Hz		
Power consumption <sup>9</sup>	Maximum power consumption	240 W	230 W
	On-mode power consumption (Light Power)	[NORMAL]: 215 W (100–240 V), 205 W (200–240 V) [ECO]: 165 W (100–240 V), 160 W (200–240 V) [QUIET]: 160 W (100–240 V), 155 W (200–240 V)	[NORMAL]: 205 W (100–240 V), 195 W (200–240 V) [ECO]: 155 W (100–240 V), 145 W (200–240 V) [QUIET]: 150 W (100–240 V), 145 W (200–240 V)
Built-in speaker	10 W monaural		
Filter <sup>10</sup>	Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise <sup>1</sup>	35 dB (NORMAL/ECO), 24 dB (QUIET)		
Dimensions (W x H x D)	349 mm x 138 mm x 370 mm (13 3/4" x 5 7/16" x 14 9/16") (with feet at shortest position)		
Weight with supplied lens <sup>11</sup>	Approx. 4.9 kg (10.8 lbs)		
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>12</sup> , operating humidity: 20–80% (no condensation)		
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software, Presenter Light Software for Windows <sup>®</sup> 13, Wireless Projector App for iOS/Android <sup>14</sup>		
Control function via LAN	PJLink <sup>™</sup> [Class 2], Crestron Connected <sup>™</sup> , AMX Device Discovery		

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 When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF]. 3 Around this time, light output will have decreased to approximately 50% of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m<sup>3</sup> of particulate matter). Estimated time until light output declines to 50% varies depending on environment. 4 Resolution decreases when using this function. V/H Keystone Correction and curved-screen correction are not available when using this function, and range of corner adjustment is limited. 5 When Digital Zoom Extender is set to 80%. 6 4K signals are converted to the projector's resolution upon projection. 7 Depending on the connected CEC command-compatible device, the link control may not operate normally. 8 On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. 9 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 10 Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times. Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>). 11 Average value. May differ depending on the actual unit. 12 Light output is limited at operating temperatures higher than 30 °C (86 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F). 13 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. 14 When using the Wireless Projector app, display resolution differs depending on your iOS/Android<sup>™</sup> device and the display device. The maximum supported display resolution is WUXGA (1280 x 800).

## Optional Accessories

- **Ceiling Mount Bracket** ET-PKL100H (for high ceilings) / ET-PKL100S (for low ceilings)  
Note: ET-PKL100H/PKL100S used in combination with ET-PKL430B (sold separately).
- **Projector Mount Bracket** ET-PKL430B
- **Replacement Filter Unit** ET-RFL400

- **Wireless Module** AJ-WM50 Series  
Note: Product availability may vary by country or region. The suffix at the end of the model number is omitted. Operating temperature: 0–40 °C (32–104 °F).
- **Early Warning Software** ET-SWA100 Series  
Note: Part number suffix may differ depending on the license type.

- **Wireless Presentation System PresiIT** TY-WP51 (basic set)  
Note: Visit <https://panasonic.net/cns/prodisplays/presit/> for more information. Product availability may vary by country or region.

# Panasonic CONNECT

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Note: 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.

All information included here is valid as of September 2022.

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## Other Features

- Built-in 10 W speaker, mic input, audio output, and shutter function
- DICOM Simulation Mode
- Supports PJLink<sup>™</sup>, Crestron Connected<sup>™</sup>, and AMX<sup>®</sup> DD
- Control emulation function
- Custom startup logo and anti-theft functions
- Free 360° installation
- ECO Management System
- Presentation Support System

## Easy for Everyone

Enjoy TV-like convenience with portable versatility. Get started instantly with projection from standby in about one second<sup>5</sup>, while quiet 24 dB<sup>6</sup> operation minimizes distractions. CEC command-compatible<sup>7</sup> HDMI<sup>®</sup> links control with the source. Share wirelessly<sup>8</sup> from your device with easy QR code connection or add Wireless Presentation System PresiIT<sup>9</sup>. 5 V/2 A USB port and 4K input-signal<sup>10</sup> compatibility streamlines integration.

## Ownership is Effortless

Laser light-source and ECO Filter don't need replacement until 20,000 hours<sup>11</sup> while energy consumption is down 20%<sup>12</sup>, reducing waste, cost, and hassle. TMZ400 Series is simple to set up with Automatic Vertical Keystone Correction, 4-Corner and H/V Keystone Correction, and 6-Point Correction<sup>13</sup>. Digital Zoom Extender and Image Shift function<sup>14</sup> increases flexibility when selecting a mount position.