

LCD Projectors

PT-TMZ400 Series

Note: Product availability varies by country or region.

Step Out of the Shadows
With Flexible WUXGA¹
Short-Throw Laser Projection



■ Main Features

01 | Project Anywhere Instantly from Short Distances

Project an 80-inch image from 73 cm² (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 functions³. Start work instantly: project from standby in about one second⁴ and hold attention with quiet 24 dB⁵ operation.

02 | Efficient Reliability with Minimal Maintenance

SOLID SHINE Laser and reusable ECO Filter last for 20,000 hours⁶ with no lamp or filter maintenance hassles. With eco-friendly 240 W power consumption that's 20 %⁷ lower than conventional lamp-based models, the TMZ400 Series provides more sustainable projection with less cost and waste.

03 | Crisp, Sharp Images and Text at WUXGA¹

With up to 4,000 lm⁸, 3,000,000:1⁹ Dynamic Contrast, and Daylight View Basic, the TMZ400 Series has power to cut through bright ambient light and deliver sharp, clear pictures. WUXGA¹ 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 lm ⁸ / 4,000 lm (ANSI) ¹⁰	3,800 lm ⁸ / 3,800 lm (ANSI) ¹⁰	
Resolution	WUXGA (1920 x 1200 pixels)	WXGA (1280 x 800 pixels)	XGA (1024 x 768 pixels)



¹ PT-TMZ400 only. See specifications for other model resolutions. ² For the PT-TMZ400/TMW380. PT-TMX380 projects an 80-inch image from a throw distance of 75 cm (2.46 ft). ³ Resolution decreases when using Digital Zoom Extender and Digital Image Shift. When using Digital Zoom Extender, the image reduction rate can be adjusted up to 80%. If set below 100%, the image position can be shifted vertically or horizontally using Digital Image Shift. Some screen correction functions are unavailable when using this function, and the range of corner adjustment is limited. ⁴ 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. ⁵ In QUIET Mode (35 dB in NORMAL/ECO Mode). ⁶ 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/m³ 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/m³), 10,000 hours (under dust conditions of 0.15 mg/m³). ⁷ PT-TMZ400 (240 W maximum power consumption, AC 100–240 V) compared to PT-TW381R Series (300 W maximum power consumption, AC 100–240 V) in NORMAL Mode. ⁸ 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]. 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. ⁹ 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. ¹⁰ 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]. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ¹¹ Supports signals up to 4K/30p. Input signals are converted to the projector's display resolution upon playback. ¹² Optional AI-WM50 Series Wireless Module required (sold separately). Product availability may vary by country or region.

Clear Pictures, Fewer Shadows

Project an 80-inch image from a distance of just 73 cm¹ (2.40 ft) without casting a shadow on the screen, ideal for small rooms. With up to 4,000 lm² of laser brightness, 3,000,000:1³ Dynamic Contrast, and WUXGA⁴ 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 WUXGA⁴

WUXGA⁴ (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-TMZ380 projects an 80-inch image from a throw distance of 75 cm (2.46 ft). 2 PT-TMZ400 only. 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]. 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. 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 only. See specifications for other model resolutions. 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 [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. 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. 9 Sold separately. Product availability may vary by country or region. For more information, visit our global website. 10 Supports signals up to 4K/30p. Input signals are converted to the projector's display resolution upon playback. 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/m³ 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/m³), 10,000 hours (under dust conditions of 0.15 mg/m³). 12 PT-TMZ400 (240 V maximum power consumption, AC 100–240 V) compared to PT-TW381R 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 Digital Image Shift. When using Digital Zoom Extender, the image reduction rate can be adjusted up to 80%. If set below 100%, the image position can be shifted vertically or horizontally using Digital Image Shift. Some screen correction functions are unavailable when using this function, and the range of corner adjustment is limited.

Specifications

Model	PT-TMZ400		PT-TMW380	PT-TMX380
Projector type	LCD projectors			
LCD panel	Size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)		16.0 mm (0.63 in) diagonal (4:3 aspect ratio)
	Pixels	2,304,000 (1920 x 1200) pixels		786,432 (1024 x 768) pixels
Light source	Laser diodes			
Light output ¹	4,000 lm ² / 4,000 lm (ANSI) ³		3,800 lm ² / 3,800 lm (ANSI) ³	
Time until light output declines to 50 % ⁴	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 ²	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 ²	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 ⁵	Throw ratio: 0.43–0.54:1 ⁶ (Corresponding value)			Throw ratio: 0.46–0.58:1 ⁶ (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 ⁷ signal input), CEC supported ⁸		
	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 ⁹)		
Protocol versions	IPv4, IPv6 ¹⁰			
Power supply	Single-phase AC 100 V–240 V, 50/60 Hz			
Power consumption ¹¹	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 ¹²	Included (Estimated maintenance time: approx. 20,000 hours)			
Operation noise ¹	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 ¹³	Approx. 4.9 kg (10.8 lbs)			
Operating environment	Operating temperature: 0–45 °C (32–113 °F) ¹⁴ , operating humidity: 20–80 % (no condensation)			
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software, Presenter Light Software for Windows ¹⁵ , Wireless Projector App for iOS/Android ¹⁶			
Control function via LAN	PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery			

¹ 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]. ² Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ³ Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ⁴ 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/m³ of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. ⁵ 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. ⁶ When Digital Zoom Extender is set to 80 %. ⁷ 4K signals are converted to the projector's resolution upon projection. ⁸ Depending on the connected CEC command-compatible device, the link control may not operate normally. ⁹ On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. ¹⁰ Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6. ¹¹ 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). ¹² 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/m³), 10,000 hours (under dust conditions of 0.15 mg/m³). ¹³ Average value. May differ depending on the actual unit. ¹⁴ 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. In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 700 m (2,297 ft) and ambient temperature is 36 °C (97 °F) or higher; when the projector is used at altitudes between 700 m (2,297 ft) and 1,400 m (4,593 ft) exclusive and ambient temperature is 34 °C (93 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) exclusive and ambient temperature is 32 °C (90 °F) or higher; and when the projector is used at altitudes between 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F). ¹⁵ 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. ¹⁶ 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 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

- **ET-FMP50 Series Media Processors** ET-FMP50 / ET-FMP20
Note: For more information, please visit:
<https://docs.connect.panasonic.com/projector/products/fmp50/>.
- **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).

- **Wireless Presentation System PressIT**
TY-WPS2 (basic set)
Note: Visit
<https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/>
for more information.

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