

AVAILABLE FROM MAY 2021

*Note: release date varies depending on country or region.*

# Well-Balanced Color and Brightness Integrated into Corporate and Learning Environments with New Applications in Museums



White Models



Black Models



\*Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.

PT-MZ880 Series			
	PT-MZ880	PT-MZ780	PT-MZ680
Light Output	8,000 lm* <sup>1</sup>	7,000 lm* <sup>1</sup>	6,000 lm* <sup>1</sup>
Resolution	WUXGA		

## • Well-Balanced Picture Quality

Refined optical engine balances brightness and color for vivid images without turning the lights off. Detail Clarity Processor 4, Dynamic Contrast, and Daylight View Basic optimize display to suit content and environment.

## • Flexible Design Fits Any Space

Unobtrusive cabinet design, 26 dB<sup>2</sup> operation, DIGITAL LINK and CEC-compatible HDMI® supporting 4K signals<sup>3</sup>, and optional lenses<sup>4</sup> including new ET-ELU20 Ultra-Short-Throw Zoom Lens<sup>5</sup> help integrate the projector in your space. Edge Blending, Geo Pro<sup>6</sup>, Contrast Sync, and Shutter Sync enhance flexibility for immersive visual performance in museums.

## • Efficient Eco-Friendly Reliability

Energy consumption is reduced by about 20 %<sup>7</sup> to meet your organization's CSR policy commitments. Multi-Laser Drive Engine<sup>8</sup> and reusable<sup>9</sup> Eco Filter extend maintenance to 20,000 hours<sup>10</sup> with Early Warning software<sup>11</sup> reducing waste and enhancing system reliability.

\*<sup>1</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. \*<sup>2</sup> PT-MZ780/PT-MZ680 in Quiet Mode, 32 dB in Normal Mode/Eco Mode. Operating noise for PT-MZ880 is 27 dB (Quiet Mode), 34 dB (Normal Mode/Eco Mode). \*<sup>3</sup> Supports signals up to 4K/60p (Y/PbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK). Signal resolutions differing from projector resolution are converted to the projector's resolution (1920 x 1200 dots). \*<sup>4</sup> All models ship with standard 1.61–2.76:1 powered zoom lens. \*<sup>5</sup> Optional ultra-short-throw zoom lens scheduled for release in September 2021. \*<sup>6</sup> Some functions available in Geo Pro software are not supported by PT-MZ880 Series. Visit PASS to download free Geometry Manager Pro software for Windows®. \*<sup>7</sup> PT-MZ880 excluded. Approximate value according to Panasonic testing in comparison to equivalent models in PT-MZ770 Series. \*<sup>8</sup> Specifications vary depending on projector model. \*<sup>10</sup> Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light-source may be required within a shorter period. Around this time, light output will have decreased to approximately 50 % of its original level ([LIGHT OUTPUT]: [NORMAL/QUIET], [PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2]). Eco Filter replacement is under conditions of 0.15 mg/m<sup>3</sup> of particulate matter. Estimated maintenance time varies depending on environment. \*<sup>11</sup> Early Warning software (free 90-day trial) is bundled with free Multi Monitoring & Control Software. Purchase an optional license to continue use after the trial expires.

## Specifications (Tentative)

Model	PT-MZ880	PT-MZ780	PT-MZ680	
Projector type	LCD projectors			
LCD panel	Panel size	19.3 mm (0.76 in) diagonal (16:10 aspect ratio)		
	Display method	Transparent LCD panel (x 3, R/G/B)		
	Drive method	Active matrix		
	Pixels	2,304,000 (1920 x 1200) pixels x 3		
Light source	Laser diodes			
Light output <sup>*1,2</sup>	8,000 lm	7,000 lm	6,000 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)			
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] or [2]. HDMI signal input)			
Screen size (diagonal)	1.02–10.16 m (40–400 in), 1.52–10.16 m (60–400 in) with the ET-ELW22, 2.54–10.16 m (100–400 in) with the ET-ELU20, 16:10 aspect ratio			
Center-to-corner zone ratio <sup>*1</sup>	85 %			
Lens	Powered zoom (throw ratio 1.61–2.76:1), powered focus F = 1.7–2.3, f = 26.8–45.5 mm (for supplied lens; optional lenses also available)			
Lens shift (From the origin point of the lens mounter)	Vertical	±67 % (powered) (for supplied lens; optional lenses also available <sup>*4</sup> )		
	Horizontal	±35 % (powered) (for supplied lens; optional lenses also available <sup>*4</sup> )		
Keystone correction range	Vertical: ±25 °, Horizontal: ±30 ° (for supplied lens; optional lenses also available <sup>*4</sup> )			
Installation	Ceiling/floor, front/rear, free 360-degree installation			
Terminals	HDMI IN	HDMI 19-pin x 3 (Compatible with HDCP 2.3, Deep Color, 4K/60p <sup>*5</sup> signal input), CEC supported		
	COMPUTER IN	D-sub HD 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)		
	MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB/Y/PbPr/YCbCr)		
	SERIAL/MULTI SYNC IN	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)		
	MULTI SYNC OUT	D-sub 9-pin (male) x 1 for link control		
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control		
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)		
	AUDIO IN	M3 stereo mini-jack x 1		
	AUDIO OUT	M3 stereo mini-jack x 1		
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p <sup>*5,6</sup> signal input)		
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)		
	DC OUT	USB Connector (Type A) x 1 (Output 5 V/2 A)		
	Power supply	AC 100–240 V, 50/60 Hz		
Power consumption <sup>*7</sup>	Maximum power consumption	490 W (5.4–2.6 A) (510 VA) (Power consumption is 465 W at 200–240 V)	435 W (4.8–2.3 A) (460 VA) (Power consumption is 415 W at 200–240 V)	360 W (4.2–2.0 A) (395 VA) (Power consumption is 345 W at 200–240 V)
	On-mode power consumption (Light power)	[NORMAL]: 435 W (100–120 V), 415 W (200–240 V) [ECO]: 315 W (100–120 V), 300 W (200–240 V) [QUIET]: 310 W (100–120 V), 295 W (200–240 V)	[NORMAL]: 395 W (100–120 V), 375 W (200–240 V) [ECO]: 285 W (100–120 V), 275 W (200–240 V) [QUIET]: 280 W (100–120 V), 270 W (200–240 V)	[NORMAL]: 330 W (100–120 V), 315 W (200–240 V) [ECO]: 240 W (100–120 V), 230 W (200–240 V) [QUIET]: 238 W (100–120 V), 228 W (200–240 V)
Cabinet materials	Molded plastic			
Filter	Included (Estimated maintenance time: approx. 20,000 hours)			
Operation noise <sup>*1</sup>	34 dB (NORMAL/ECO), 27 dB (QUIET)	32 dB (NORMAL/ECO), 26 dB (QUIET)		
Dimensions (W × H × D)	561 x 190 x 437 mm (22 3/32" x 7 15/32" x 17 7/32") (not including lens or protruding parts)			
Weight <sup>*8</sup>	Approx. 18.6 kg (41.0 lbs) (with supplied lens)		Approx. 17.6 kg (38.8 lbs) (with supplied lens)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F) <sup>*9</sup> , operating humidity: 20–80 % (no condensation)			
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™, Geometry Manager Pro <sup>*10</sup>			

<sup>\*1</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. <sup>\*2</sup> When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. <sup>\*3</sup> Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2]). Estimated time until light output declines to 50 % varies depending on environment. <sup>\*4</sup> Lens-shift range and keystone correction range may vary depending on lens. <sup>\*5</sup> 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. <sup>\*6</sup> Y/PbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. <sup>\*7</sup> 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). <sup>\*8</sup> Average value. May differ depending on the actual unit. <sup>\*9</sup> Note that the projector cannot be used at altitudes 2,700 m (8,858 ft) or higher 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 38 °C (100 °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 36 °C (97 °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 34 °C (93 °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 32 °C (90 °F) or higher. <sup>\*10</sup> Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.

## Optional Accessories

### • Fixed-Focus Lens

ET-ELW21 (0.764:1)

### • Zoom Lens

ET-ELU20\* (0.330–0.353:1) / ET-ELW22 (0.786–0.983:1) /  
ET-ELW20 (1.21–1.66:1) / ET-ELS20\*\* (1.61–2.76:1) /  
ET-ELT22 (2.72–4.48:1) / ET-ELT23 (4.44–7.12:1)

\* Optional ultra-short-throw zoom lens scheduled for release in September 2021.

\*\* US/Canada/Latin America/Europe/Oceania only. ET-ELS20 is equivalent of supplied lens.

### • Ceiling Mount Bracket

ET-PKD120H (for high ceilings) /  
ET-PKD120S (for low ceilings)

### • Attachment for Ceiling Mount Bracket

ET-PKE301B

### • Replacement Filter

ET-RFM100

### • DIGITAL LINK Switcher

ET-YFB200G

Note: ET-YFB200G is not compatible with 4K signals.

### • Digital Interface Box

ET-YFB100G

Note: ET-YFB100G is not compatible with 4K signals.

### • Wireless Presentation System PressIT

TY-WPS1 (basic set)

Visit [panasonic.net/cns/prodisplays/pressit](http://panasonic.net/cns/prodisplays/pressit) for more information.

### • Early Warning Software

ET-SWA100 Series

Note: Part number suffix may differ depending on the license type.

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All information included here is valid as of June 2021.

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