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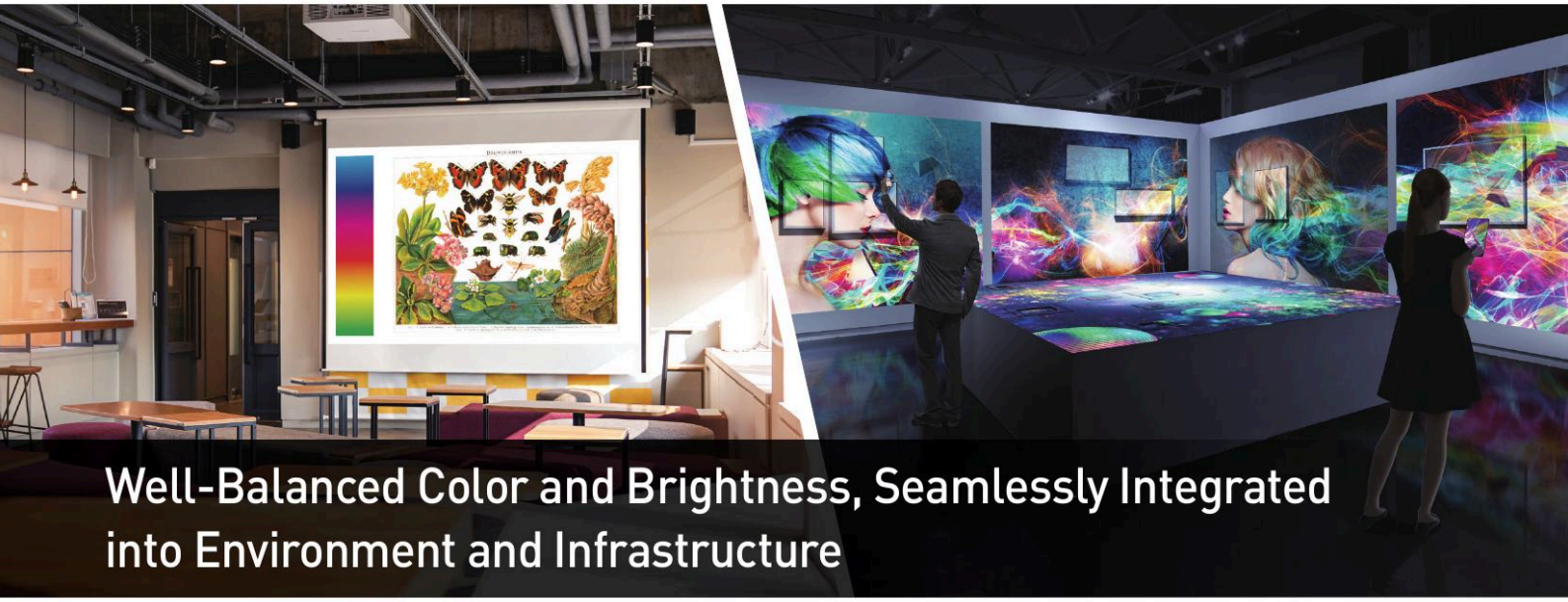
PT-**MZ880** Series

LCD Projectors

PT-**MZ880**
PT-**MZ780**
PT-**MZ680**



Well-Balanced Color and Brightness, Seamlessly Integrated into Environment and Infrastructure

■ Main Features

01 | Well-Balanced Picture Quality

Refined optical engine balances high brightness and vivid color for clearest image visibility in the classroom or office without switching off the lights. Detail Clarity Processor 4, Dynamic Contrast, and Daylight View Basic continuously optimize image display to suit content and environment.

02 | Flexible Design Fits Any Space

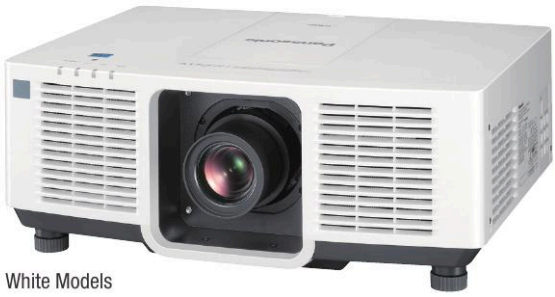
Unobtrusive cabinet design, 26 dB[*1] operation, DIGITAL LINK and CEC-compatible HDMI® supporting 4K signals[*2], and optional lenses[*3] including a new ultra-short-throw zoom[*4] (ET-ELU20) help integrate the projector in your space. Edge Blending, Geo Pro[*5], Contrast Sync, and Shutter Sync enhance flexibility for immersive visual performance in museums.

03 | Efficient Eco-Friendly Reliability

Energy consumption is reduced by about 20 %[*6] to help meet your CSR commitments. Multi-Laser Drive Engine[*7] and reusable[*8] Eco Filter extend maintenance to 20,000 hours[*9] with Early Warning software[*10] reducing waste and enhancing system reliability.

SOLID SHINE LASER | DIGITAL LINK SINGLE CABLE SOLUTION | ACCEPTS 4K SIGNAL | 360° | 24/7 operation | Geo. Pro*

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



White Models

Black Models

PT-MZ880 Series

	PT-MZ880	PT-MZ780	PT-MZ680
Light Output	8,000 lm[*11]	7,000 lm[*11]	6,000 lm[*11]
Resolution	WUXGA		

Well-Balanced Picture Quality

Refined optical engine balances brightness and color for immersive picture quality without dimming the lights. With dynamic optimization adjusting contrast, brightness, and color to suit environment and content, and Detail Clarity Processor 4 enhancing definition, images remain visible in well-lit rooms.

Flexible Design Fits Any Space

Projectors fade from consciousness with unobtrusive cabinet and 26 dB*1 operation keeping attention focused on content. Terminals fit infrastructure with 4K-signal-ready*2 DIGITAL LINK and 3 x HDMI®, the latter enabling auto power-on and playback on CEC command from a compatible source device, such as optional Wireless Presentation System PressIT*3 integrated via 5 V/2 A USB-DC terminal.

Flexible Installation in Museums

Bring museum exhibits to life with vivid, flexible, and cost-effective LCD laser projection. Projectors include Edge-Blending, Contrast Sync, and Shutter Sync functions, and support Geo Pro*4 software with Free Grid and optional ultra-short-throw zoom lens*5 (ET-ELU20). These functions make it easy to edge-blend uniform images into a seamless widescreen museum display.

Efficient Eco-friendly Operation

Failover-protected Multi-Laser Drive Engine*6 enhances projection stability with power consumption reduced by about 20 %*7. These savings scale with the size of your fleet, helping to minimize your organization's carbon footprint. Maintenance extends to 20,000 hours*8, saving time, effort, and waste, while the amount of product packaging is also reduced.

■ Other Features

- Works with Smart Projector Control app*9
- Quick Start/Quick Off
- ECO Management System
- Reusable*10 Eco Filter
- Multi-Screen Support System
- Multi Monitoring & Control Software*11 with optional Early Warning Functions*12
- Free 360° Installation
- Works with Crestron® Connected, AMX DD, PJLink™, and Art-Net DMX
- Control via separate LAN or DIGITAL LINK terminals

**1 MZ780/MZ680 in Quiet Mode and 32 dB in Normal Mode/Eco Mode. Operating noise for PT-MZ880 is 27 dB (Quiet Mode) and 34 dB (Normal Mode/Eco Mode). *2 Supports signals up to 4K/60p (YPBPR 4:2:0 format only for 4K/60p signals input via DIGITAL LINK). Signal resolutions differing from projector are converted to the projector's resolution (1920 x 1200 dots). *3 Accessories such as PressIT sold separately. Operation with third-party devices cannot be guaranteed. *4 Some functions available in Geo Pro software are not supported by the PT-MZ880 Series. Visit PASS to download free Geometry Manager Pro software for Windows®. *5 Optional ultra-short-throw zoom lens scheduled for release in September 2021. *6 Specifications vary depending on projector model. *7 PT-MZ880 excluded. Approximate value according to Panasonic testing in comparison to equivalent models in PT-MZ770 Series. *8 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/m³ of particulate matter. Estimated maintenance time varies depending on environment. *9 Some functions available within Smart Projector Control app are not supported by this projector series. Check device compatibility at App Store or the Google Play Store. *10 Filter replacement recommended after filter has been washed and reused twice, or if filter is not sufficiently clean after washing. *11 Multi Monitoring & Control Software for Windows is available free from the Panasonic projector website. *12 Early Warning software (free 90-day trial) is bundled with Multi Monitoring & Control Software. Purchase an optional license to continue use after the trial expires.*

Specifications

Model		PT-MZ880	PT-MZ780	PT-MZ680
Projector type		LCD projectors		
LCD panel	Panel size	19.3 mm (0.76") diagonal (16:10 aspect ratio)		
	Pixels	2,304,000 (1920 x 1200) pixels x 3		
Light source		Laser diodes		
Light output*1*2		8,000 lm	7,000 lm	6,000 lm
Time until light output declines to 50 %*3		20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)		
Resolution		WUXGA (1920 x 1200 pixels)		
Contrast ratio*1		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*1		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*4)		
	Horizontal	±35 % (powered) (for supplied lens; optional lenses also available*4)		
Keystone correction range		Vertical: ±25 °, Horizontal: ±30 ° (for supplied lens; optional lenses also available*4)		
Terminals	HDMI IN	HDMI 19-pin x 3 (Compatible with HDCP 2.3, Deep Color, 4K/60p*5 signal input), CEC supported		
	COMPUTER IN	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR)		
	MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/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/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p*5*8 signal input)		
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [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*7	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)
Filter		Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise*1		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*8		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)*9, 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*10		

**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] and [LIGHT POWER] is set to [NORMAL]. *3 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. *4 Lens-shift range and keystone correction range may vary depending on lens. *5 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. *6 YPBPR 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. *7 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). *8 Average value. May differ depending on the actual unit. *9 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. *10 Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.*