



New LCD Laser Projectors Deliver Well-Balanced Color and Brightness with Seamless Integration into Corporate, Education, and Museum Environments

PT-MZ780

The Series features PT-MZ880 (8,000 lm), PT-MZ780 (7,000 lm), and PT-MZ680 (6,000 lm) WUXGA models with a refined Multi-Laser Drive Engine for the optimal balance of high brightness, vivid colour, and low-maintenance operation. *1 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.

Key Features

Laser LCD, 7 000 lumens, WUXGA

Compact and lightweight body, designed with ultra-low noise operation (26dB)

Wide Lens shift area and Ultra-Short Throw lens to expand installation capability

Edge Blending function to realize versatile space creation

Significant contribution to sustainability thanks to low Power consumption and Washable Eco Filter



PT-MZ780

<https://ap.connect.panasonic.com/th/en/products/projectors/pt-mz780>

Projector type	LCD projector
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Panel size	19.3 mm (0.76") diagonal (16:10 aspect ratio)
Display Device -> Drive method	Active matrix method
Display Device -> Number of pixels	2,304,000 (1920 x 1200) pixels x 3
Light source	Laser diodes
Light output ^{*1 *2 *3}	7,000 lm
Light output (ANSI) ^{*4}	7,000 lm
Time until light output declines to	20,000 hours [NORMAL]
50 % -> NORMAL ^{*6}	
Time until light output declines to	24,000 hours [ECO]
50 % -> ECO ^{*6}	
Time until light output declines to	20,000 hours [QUIET]
50 % -> QUIET ^{*6}	
Resolution	WUXGA (1920 x 1200 ドット)
Contrast Ratio (typ.) ^{*3}	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 ^{*3}	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 -> Vertical(from center of screen)	±67 % (powered) (for supplied lens; optional lenses also available ^{*4})
Lens shift -> Horizontal(from center of screen)	±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})
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> HDMI™ IN	HDMI™ x 3 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input ^{*5}), CEC supported
Terminals -> COMPUTER IN (D-SUB 15pin)	D-sub HD 15-pin (female) x 1(RGB/YPBPR/YCBCR)
Terminals -> COMPUTER OUT (D-SUB 15pin)	D-sub HD 15-pin (female) x 1(RGB/YPBPR/YCBCR)
Terminals -> AUDIO IN(M3 Stereo Mini Jack)	M3 stereo mini-jack x 1
Terminals -> AUDIO OUT(M3 Stereo Mini Jack)	M3 stereo mini-jack x 1
Terminals -> MULTI PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)
Terminals -> MULTI PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC OUT	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)
Terminals -> REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control
Terminals -> REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals -> DIGITAL LINK IN / 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 ^{*6} signal input)
Terminals -> LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net)
Terminals -> DC OUT	USB Connector (Type A) x 1 (Output 5 V/2 A)
Power supply	AC 100-240 V, 50/60 Hz
Maximum power consumption ^{*7}	435 W (4.8-2.3 A) (460VA)(Power consumption is 415 W at 200-240 V)
On-mode power consumption(Operating mode) -> Normal ^{*8}	[NORMAL] 395 W (100-120 V), 375 W (200-240 V)
On-mode power consumption(Operating mode) -> Eco ^{*8}	[ECO] 285 W (100-120 V), 275 W (200-240 V)
On-mode power consumption(Operating mode) -> Quiet ^{*8}	[QUIET] 280 W (100-120 V), 270 W (200-240 V)
Cabinet materials	Molded plastic
Filter	Included

Estimated filter maintenance cycle	Approx. 20,000 hours
Operation noise -> Normal^{*3}	32 dB [NORMAL]
Operation noise -> Eco^{*3}	32 dB [ECO]
Operation noise -> Quiet^{*3}	26 dB [QUIET]
Dimensions (W x H x D)	561 x 224 x 439 mm (22 3/32" x 8 13/16" x 17 9/32") (with supplied lens)
Dimensions -> Width (including protruding parts)	561 mm (22 3/32")
Dimensions -> Height (including protruding parts)	224 mm (8 13/16")
Dimensions -> Depth (including lens)	439 mm (17 9/32")
Weight	Approx. 18.6 kg (41.0 lbs) (with supplied lens)
Operating environment ->	0-45 °C (32-113 °F)
Operating temperature^{*11}	
Operating Environment ->	20-80 % (no condensation)
Operating humidity (No condensation)	
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™, Geometry Manager Pro
Footnote Description	<p>1. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL].</p> <p>2. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped.</p> <p>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.</p> <p>4. 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.</p> <p>5. Lens-shift range and keystone correction range may vary depending on lens.</p> <p>6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection.</p> <p>7. YPbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK.</p> <p>8. 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).</p> <p>9. With legs at shortest position.</p> <p>10. Average value. May differ depending on the actual unit.</p> <p>11. 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 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.</p> <p>12. Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.</p>

Body Colour	Black/White
Gross Dimensions (W x H x D in mm)	MZ780WU/MZ780WE/MZ780BU/MZ780BE/MZ780WUY/MZ780BUY: 756 x 545 x 348 mm MZ780W/MZ780B/MZ780WU7/MZ780BU7: 746 x 535 x 332 mm
Gross Weight (Kg)	MZ780WE/MZ780BE: 24.9 kg(54.8 lbs) MZ780WU/MZ780BU: 24.4 kg(53.7 lbs) MZ780WUY/MZ780BUY: 24.0 kg(53.0 lbs) MZ780W/MZ780B: 23.4 kg(51.6 lbs) MZ780WU7/MZ780BU7: 22.6 kg(49.8 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
EAN	MZ780WE:5025232916160 MZ780BE:5025232916184 MZ780W:5025232916177 MZ780B:5025232916191