



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

### PT-MZ680

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, 6 000 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-MZ680

<https://ap.connect.panasonic.com/vn/en/products/projectors/pt-mz680>

<b>Projector type</b>	LCD projectors
<b>LCD panel   Panel size (mm)</b>	19.3 mm diagonal (16:10 aspect ratio)
<b>LCD panel   Panel size (inch)</b>	0.76 inch diagonal (16:10 aspect ratio)
<b>LCD Panel   Display Method</b>	Transparent LCD panel (x3, R/G/B)
<b>LCD Panel   Drive Method</b>	Active matrix
<b>LCD Panel   Pixels</b>	2,304,000 ( Pixels 1920 x 1200) pixels x 3
<b>Light Source</b>	Laser diodes
<b>Light Output*1 *2</b>	6,000 lm
<b>Resolution</b>	WUXGA (1920 x 1200 pixels)
<b>Contrast Ratio*1</b>	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)
<b>Screen size (diagonal) (mm)</b>	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
<b>Screen size (diagonal) (inch)</b>	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
<b>Center-to-corner zone ratio*1</b>	85 %
<b>Lens</b>	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)
<b>Lens shift   Vertical(From the origin point of the lens mounter)</b>	±67 % (powered) (for supplied lens; optional lenses also available*4)
<b>Lens shift   Horizontal(From the origin point of the lens mounter)</b>	±35 % (powered) (for supplied lens; optional lenses also available*4)
<b>Keystone Correction Range</b>	Vertical: ±25 °, Horizontal: ±30 ° (for supplied lens; optional lenses also available*4)
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals   HDMI In</b>	HDMI 19-pin x 3 (Compatible with HDCP 2.3, Deep Color, 4K/60p*5 signal input), CEC supported
<b>Terminals   Computer In</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PBPR/Y/CBCR)
<b>Terminals   Monitor Out</b>	D-sub HD 15-pin (female) x 1 (RGB/Y/PBPR/Y/CBCR)
<b>Terminals   Serial / Multi Sync In</b>	D-sub 9-pin (female) x 1 for external control/link control (RS-232C compliant)
<b>Terminals   Multi Sync Out</b>	D-sub 9-pin (male) x 1 for link control
<b>Terminals   REMOTE 1 IN</b>	M3 stereo mini-jack x 1 for wired remote control
<b>Terminals   Remote 2 In</b>	D-sub 9-pin (female) x 1 for external control (parallel)
<b>Terminals   Audio In</b>	M3 stereo mini-jack x 1
<b>Terminals   Audio Out</b>	M3 stereo mini-jack x 1
<b>Terminals   DIGITAL LINK</b>	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBase™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p*5 *6 signal input)
<b>Terminals   LAN</b>	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)
<b>Terminals   DC Out</b>	USB Connector (Type A) x 1 (Output 5 V/2 A)
<b>Power Supply</b>	AC 100–240 V, 50/60 Hz
<b>Power Consumption*7   Maximum power consumption</b>	360 W (4.2–2.0 A) (395 VA)(Power consumption is 345 W at 200–240 V)
<b>Power Consumption*7   On-mode power consumption (Light power)</b>	[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)
<b>Cabinet Materials</b>	Molded plastic
<b>Filter</b>	Included (Estimated maintenance time: approx. 20,000 hours)
<b>Operation noise*1</b>	32 dB (NORMAL/ECO), 26 dB (QUIET)
<b>Dimensions (W × H*8 × D)</b>	561 x 224 x 439 mm (22 3/32" x 8 13/16" x 17 9/32" ) (with supplied lens)
<b>Weight*9</b>	Approx. 17.6 kg (38.8 lbs) (with supplied lens)
<b>Operating Environment</b>	Operating temperature: 0–45 °C (32–113 °F)*10, operating humidity: 20–80 % (no condensation)
<b>Applicable software/application</b>	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Smart Projector Control for iOS/Android™, Geometry Manager Pro*11

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**Note**

\*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 With legs at shortest position. \*9 Average value. May differ depending on the actual unit. \*10 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. \*11 Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.