Panasonic CONNECT

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

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https://ap.connect.panasonic.com/id/en/products/projectors-and-displays/pt-mz680

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	6,000 lm
Light output (ANSI) *4	6,000 lm
Time until light output declines to 50 % -> NORMAL *6	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *6	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET *6	20,000 hours [QUIET]
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/YP_BP_R/YC_BC_R)
Terminals -> COMPUTER OUT（D-SUB 15pin）	D-sub HD 15-pin (female) x 1(RGB/YP_BP_R/YC_BC_R)
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*5 *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 *8 *9	360 W (4.2–2.0 A) (395VA)(Power consumption is 345 W at 200–240 V)
On-mode power consumption(Operating mode) -> Normal *8	[NORMAL] 330 W (100–120 V), 315 W (200–240 V)
On-mode power consumption(Operating mode) -> Eco *8	[ECO] 240 W (100–120 V), 230 W (200–240 V)
On-mode power consumption(Operating mode) -> Quiet *8	[QUIET] 238 W (100–120 V), 228 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*8 x 439 mm (22 3/32" x 8 13/16"*8 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 *10	Approx. 17.6 kg (38.8 lbs) (with supplied lens)
Operating environment -> Operating temperature *11	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	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
Body Colour	Black/White
Gross Dimensions (W x H x D in mm)	MZ680WU/MZ680WEJ/MZ680BU/MZ680BEJ/MZ680WUY/MZ680BUY: 756 x 545 x 348 mm MZ680W/MZ680B/MZ680WU7/MZ680BU7: 746 x 535 x 332 mm
Gross Weight (Kg)	MZ680WEJ/MZ680BEJ: 23.9 kg(52.6 lbs) MZ680WU/MZ680BU: 23.4 kg(51.5 lbs) MZ680WUY/MZ680BUY: 23.0 kg(50.8 lbs) MZ680W/MZ680B: 22.4 kg(49.4 lbs) MZ680WU7/MZ680BU7: 21.6 kg(47.6 lbs)
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
EAN	MZ680WEJ:5025232916207 MZ680BEJ:5025232916221 MZ680W:5025232916214 MZ680B:5025232916238
Footnote Description	1. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 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. 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]). Estimated time until light output declines to 50 % varies depending on environment. 5. Lens-shift range and keystone correction range may vary depending on lens. 6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. 7. YPBPR 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. 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). 9. With legs at shortest position. 10. Average value. May differ depending on the actual unit. 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. 12. Some functions available in Geo Pro software are not supported by the PT-MZ880 Series.