

Flexible and cost-efficient Solid Shine laser projector

PT-MZ670

Designed for single-screen projection and equipped with advanced collaboration technologies for education and corporate use. Laser light source, LCD, 6 500 lumens, WUXGA projector.



LCD Projectors

PT-MZ670/MZ570/MW630/MW530
PT-MZ670L/MZ570L/MW630L/MW530L



KEY FEATURES

- Laser LCD, 6 500 lumens, WUXGA
- Compact and lightweight body, designed with ultra-low noise operation (28dB)
- Exchangeable lenses (compatible with PT-EZ770 series lenses) for flexible installation in any meeting- or classroom
- Packed with a wide range of collaboration technologies such as 5 Ghz wireless projection from multiple devices, secure streaming & networking, PC-less presentation, audio loop-through and others
- Long lasting laser light source and low-maintenance design provide high brightness and superb image quality

SPECIFICATIONS

Brightness	6 500 lumens
Technology	Laser LCD
Power Supply	AC 100-240 V, 50/60 Hz
Power Consumption	*1 525W (during standby) Approx. 0.5 W (When [STANDBY MODE] is set to [ECO]) Approx. 22 W (When [STANDBY MODE] is set to [NORMAL]) Approx. 47 W(When [IN STANDBY MODE] in [AUDIO SETTING] is set to [ON],maximum audio is output, and USB memory is inserted in the terminal) Approx. 115 W(When [QUICK STARTUP] is set to [ON], [IN STANDBY MODE] in [AUDIO SETTING] is set to [ON], maximum audio is output, and the power is supplied from the terminal)
BTU Value	Max 1,792BTU
LCD Panel Panel Size	19.3 mm (0.76 inches) diagonal (16:10 aspect ratio)
LCD Panel Display Method	Transparent LCD panel (x 3, R/G/B)
LCD Panel Drive Method	Active matrix method
LCD Panel Pixels	2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels
Lens PT-MZ670	Powered zoom (1.6x), focus lenses, F 1.7- 2.3, f 26.8- 45.5 mm Throw ratio 1.6-2.8:1
Lens PT-MZ670L	Optional powered zoom/focus lenses and fixed-focus lens
Light Source	Laser Diode Laser class 1(Class3R for US models)
Illumination Life of Set	Varies depending on operation mode setting. 20,000 hours at half luminance * IEC62087: 2008 Broadcast contents, Dynamic contrast [2], Temperature: 30 °C (86F), Under conditions of 0.15 mg/m3 of particulate matter
Projection Size	1.02-10.16 m (40- 400 inches) diagonally, 16:10 aspect ratio
Colors	Full color (16,777,216 colors)
Light output	*1 6,500 lumens (Input signals: PC, Operating mode: Normal, Dynamic mode)
Center-to-Corner Uniformity	90%
Contrast Ratio	*1 3,000,000:1(all white/all black)(Dynamic Contrast 1 or 2) (Input signals: PC, Operating mode: Normal, Dynamic mode)
Resolution	WUXGA 1920 x 1200 pixels
Scanning Frequency RGB	fH: 15- 91kHz, fV: 24 - 100Hz, dot clock: 162 MHz or less
Scanning frequency YPBPR(YCBCR)	480i (525i): fH 15.73 kHz; fV 59.94 Hz, 576i (625i): fH 15.63 kHz; fV 50 Hz, 480p (525p): fH 31.47 kHz; fV 59.94 Hz, 576p (625p): fH 31.25 kHz; fV 50 Hz, 720 (750)/60p: fH 45.00 kHz; fV 60 Hz, 720 (750)/50p: fH 37.50 kHz; fV 50 Hz, 1080 (1125)/60i: fH 33.75 kHz; fV 60 Hz, 1080 (1125)/50i: fH 28.13 kHz; fV 50 Hz, 1080 (1125)/25p: fH 28.13 kHz; fV 25 Hz, 1080 (1125)/24p: fH 27.00 kHz; fV 24 Hz, 1080 (1125)/24sF: fH 27.00 kHz; fV 48 Hz, 1080 (1125)/30p: fH 33.75 kHz; fV 30 Hz, 1080 (1125)/60p: fH 67.50 kHz; fV 60 Hz, 1080 (1125)/50p: fH 56.25 kHz; fV 50 Hz
Scanning Frequency Video	fH: 15.73 kHz / 15.63 kHz fV: 59.94 Hz / 50 Hz [NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM]
Scanning Frequency HDMI/DIGITAL LINK	• Moving image signal resolution: 480i (525i)*2, 576i (625i)*2, 480p (525p), 576p (625p), 720 (750)/60p, 720 (750)/50p, 1080 (1125)/60i, 1080 (1125)/50i, 1080 (1125)/25p, 1080 (1125)/24p, 1080 (1125)/24sF, 1080 (1125)/30p, 1080 (1125)/60p, 1080 (1125)/50p • Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace) • Dot clock frequency: 25 MHz to 162 MHz
Optical Axis Shift	Vertical $\pm 6\%$, Horizontal $\pm 35\%$ (Supplied lens/ET-ELS20/ET-ELW20/ET-ELT20/ET-ELT21) Vertical $\pm 60\%$, Horizontal $\pm 30\%$ (ET-ELW22) NOTE: Optical axis shift function cannot be operated when used with the ET-ELW21.

Installation	Ceiling/desk/AUTO, front/rear, 360 degree free installation
Speaker	4.0 cm round-type x 1
Maximum Usable Volume Output	10 W (monaural)
Terminals HDMI 1 In	HDMI 19 pin, HDCP and Deep color compatible Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz)
Terminals HDMI 2 In	HDMI 19 pin, HDCP and Deep color compatible Audio signals : Linear PCM (Sample frequency : 48 kHz/44.1 kHz/32 kHz)
Terminals RGB 1 In	BNC (female) x 5, RGB/Y PB/PR (CB/CR)
Terminals RGB 2 In	D-Sub 15 p (female) x 1, RGB/Y PB/PR (CB/CR)
Terminals Monitor Out	D-Sub 15 p (female) x 1, RGB/Y PB/PR (CB/CR)
Terminals Video In	Pin jack x 1
Terminals Audio In 1	M3 stereo jack x 1 (L-R)
Terminals Audio In 2	M3 stereo jack x 1 (L-R)
Terminals Audio In 3	Pin jack x 2(L-R)
Terminals Variable Audio Out	M3 jack, 0 V[rms] to 2.0 V[rms] variable, output impedance 2.2 k ohms and less
Terminals Serial In	D-sub 9 pin, RS-232C compliant, for computer control use
Terminals REMOTE 1	D-Sub 9 p (female) x 1, for external control (parallel)
Terminals REMOTE 2	M3 jack x 1(L-R) for link control (for wired remote control)
Terminals LAN	RJ-45 x 1 for network connection, 10/100Base-TX, compliant with PLink™(Class 2)
Terminals DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PLink™(Class 2), Deep Color, HDCP
Terminals VIEWER / PAIRING	USB type-A x 1
Terminals DC Out	USB type-A x 1(DC 5V, 2A(Max))
Power Cord Length	3.0m(9ft 10in)
Cabinet Materials	Molded plastic
Dimensions (W x H x D)	PT-MZ670 560 x 205*4x 443mm (22-1/16 x 8-1/16*4x 17-7/16inches) (with supplied lens) PT-MZ670L 560 x 205*4x 428mm (22-1/16 x 8-1/16*4x 16-27/32inches) (without lens)
Weight	*5 PT-MZ670 Approx. 16.9 kg (37.3 lbs) (with supplied lens) PT-MZ670L Approx. 16.1 kg (35.5 lbs) (without lens)
Noise Level	*1 32dB (Operating mode: NORMAL/ECO), 26dB (Operating mode: QUIET)
Operating environment Temperature	0°C (32°F) to 45°C (113°F) The projector cannot be used at an altitude of 2,700 m (8,858') or higher above sea level. The light output may decrease to protect the projector when the operating environment temperature exceeds 36 °C (96.8 °F).
Operating Environment Humidity	20% to 80% (no condensation)
Note	Weights and dimensions shown are approximate. Specifications subject to change without notice. *1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *2 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal) for 480i(525i) and 576i(625i) *3 When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55° . *4 When adjustable feet shortened. *5 Average value. May differ depending on models. *6 Can be used when the ET-WM300 (option) is installed. *7 When the projector is mounted to the existing Ceiling Mount Bracket (in combination with the Model No.: ET-PKD120H (for High Ceilings) or ET-PKD120S (for Low Ceilings), and the Model No.: ET-PKE300B (Projector Mount Bracket)), it is necessary to replace the drop-prevention wire rope with the one corresponding to this projector. Consult your dealer. Drop-prevention set (service model no.: DPPW1004Z A/X1) *8 The suffix of the Model No. differs according to the license type.

URL: <https://business.panasonic.co.uk/visual-system/pt-mz670-0>

CONTACT

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