



**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.**

## PT-MZ670

Flexible and cost-efficient Solid Shine laser projector Designed for single-screen projection and equipped with advanced collaboration technologies for education and corporate use. Digital Link - Optional wireless functions 5 Ghz - 360° flexible installation.

### 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





LCD Projectors

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



## PT-MZ670

<https://eu.connect.panasonic.com/be/en/products/projectors/pt-mz670>

<b>Brightness</b>	6 500 lumens
<b>Technology</b>	Laser LCD
<b>Power Supply</b>	AC 100-240 V, 50/60 Hz
<b>Power Consumption</b>	*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)
<b>BTU Value</b>	Max 1,792 BTU
<b>LCD Panel   Panel Size</b>	19.3 mm (0.76 inches) diagonal (16:10 aspect ratio)
<b>LCD Panel   Display Method</b>	Transparent LCD panel (x 3, R/G/B)
<b>LCD Panel   Drive Method</b>	Active matrix method
<b>LCD Panel   Pixels</b>	2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels
<b>Lens   PT-MZ670</b>	Powered zoom (1.6x), focus lenses, F 1.7- 2.3, f 26.8- 45.5 mm  Throw ratio 1.6-2.8:1
<b>Lens   PT-MZ670L</b>	Optional powered zoom/focus lenses and fixed-focus lens
<b>Light Source</b>	Laser Diode Laser class 1 (Class 3R for US models )
<b>Illumination Life of Set</b>	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
<b>Projection Size</b>	1.02-10.16 m (40- 400 inches) diagonally, 16:10 aspect ratio
<b>Colors</b>	Full color ( 16,777,216 colors)
<b>Light output</b>	*1 6,500 lumens (Input signals: PC, Operating mode: Normal, Dynamic mode)
<b>Center-to-Corner Uniformity</b>	90%
<b>Contrast Ratio</b>	*1 3,000,000:1 (all white/all black) (Dynamic Contrast 1 or 2 )  (Input signals: PC, Operating mode: Normal, Dynamic mode)
<b>Resolution</b>	WUXGA 1920 x 1200 pixels
<b>Scanning Frequency   RGB</b>	fH: 15- 91 kHz, fV: 24 - 100 Hz, dot clock: 162 MHz or less
<b>Scanning frequency   YPBPR(YCBCR)</b>	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
<b>Scanning Frequency   Video</b>	fH: 15.73 kHz / 15.63 kHz fV: 59.94 Hz / 50 Hz  [NTSC/NTSC4.43/PAL/PAL60/PAL-N/PAL-M/SECAM]

<b>Scanning Frequency   HDMI/DIGITAL LINK</b>	<ul style="list-style-type: none"> <li>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</li> <li>Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interface)</li> <li>Dot clock frequency: 25 MHz to 162 MHz</li> </ul>
<b>Optical Axis Shift</b>	<ul style="list-style-type: none"> <li>Vertical ±67%, Horizontal ±35% (Supplied lens/ET-ELS20/ET-ELW20/ET-ELT20/ET-ELT21)</li> <li>Vertical ±60%, Horizontal ±30% (ET-ELW22)</li> </ul> <p>NOTE: Optical axis shift function cannot be operated when used with the ET-ELW21.</p>
<b>Installation</b>	Ceiling/desk/AUTO, front/rear, 360 degree free installation
<b>Speaker</b>	4.0 cm round-type x 1
<b>Maximum Usable Volume Output</b>	10 W (monaural)
<b>Terminals   HDMI 1 In</b>	HDMI 19 pin, HDCP and Deep color compatible
<b>Terminals   HDMI 2 In</b>	HDMI 19 pin, HDCP and Deep color compatible
<b>Terminals   RGB 1 In</b>	BNC (female) x 5, RGB/Y PB/PR (CB/CR)
<b>Terminals   RGB 2 In</b>	D-Sub 15 p (female) x 1, RGB/Y PB/PR (CB/CR)
<b>Terminals   Monitor Out</b>	D-Sub 15 p (female) x 1, RGB/Y PB/PR (CB/CR)
<b>Terminals   Video In</b>	Pin jack x 1
<b>Terminals   Audio In 1</b>	M3 stereo jack x 1(L-R)
<b>Terminals   Audio In 2</b>	M3 stereo jack x 1(L-R)
<b>Terminals   Audio In 3</b>	Pin jack x 2(L-R)
<b>Terminals   Variable Audio Out</b>	M3 jack, 0 V[rms] to 2.0 V[rms] variable, output impedance 2.2 k ohms and less
<b>Terminals   Serial In</b>	D-sub 9 pin, RS-232C compliant, for computer control use
<b>Terminals   REMOTE 1</b>	D-Sub 9 p (female) x 1, for external control (parallel)
<b>Terminals   REMOTE 2</b>	M3 jack x 1(L-R) for link control (for wired remote control)
<b>Terminals   LAN</b>	RJ-45 x 1 for network connection, 10/100Base-TX, compliant with PLink™(Class 2)
<b>Terminals   DIGITAL LINK/LAN</b>	RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PLink™(Class 2), Deep Color, HDCP
<b>Terminals   VIEWER / PAIRING</b>	USB type-A x 1
<b>Terminals   DC Out</b>	USB type-A x 1(DC 5V, 2A(Max))
<b>Power Cord Length</b>	3.0m(9ft 10in)
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D)</b>	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)
<b>Weight</b>	*5 PT-MZ670 Approx. 16.9 kg (37.3 lbs)(with supplied lens) PT-MZ670L Approx. 16.1 kg (35.5 lbs)(without lens)
<b>Noise Level</b>	*1 32dB (Operating mode: NORMAL/ECO), 26dB (Operating mode: QUIET)
<b>Operating environment   Temperature</b>	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).
<b>Operating Environment   Humidity</b>	20% to 80% (no condensation)
<b>Note</b>	<p>Weights and dimensions shown are approximate. Specifications subject to change without notice.</p> <p>*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.</p> <p>*2 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal) for 480i(525i) and 576i(625i)</p> <p>*3 When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding total of 55°.</p> <p>*4 When adjustable feet shortened.</p> <p>*5 Average value. May differ depending on models.</p> <p>*6 Can be used when the ET-WM300 (option) is installed.</p> <p>*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)</p> <p>*8 The suffix of the Model No. differs according to the license type.</p>