

PT-MZ670 Series

LCD Laser/Phosphor Projectors

Available from November 2017

Tentative

Flexible and cost-efficient Solid Shine laser projector

Designed for single-screen projection and equipped with advanced collaboration technologies for education and corporate use



PT-MZ670 Series

	PT-MZ670/L	PT-MZ570/L	PT-MW630/L	PT-MW530/L
Resolution	WUXGA		WXGA	
Brightness	6,500 lm	5,500 lm	6,500 lm	5,500 lm
Contrast	3,000,000:1 *2			

Note: PT-MZ670L, PT-MZ570L, PT-MW630L, and PT-MW530L deliver the same performance as PT-MZ670, PT-MZ570, PT-MW630, and PT-MW530, but come without a lens.

Brilliant Picture Quality

- SOLID SHINE Laser Phosphor Drive with LCD Optical Engine Delivers Bright, Vivid, and Detailed Picture Quality
- High Brightness of Up to 6,500 lm*1 from a Compact and Lightweight Body
- Dynamic 3,000,000:1 Contrast*2 Assures Excellent Text Legibility and Improved Picture Quality Realized by Laser Light Source
- Available in WUXGA*3 for Crisp High-Resolution Image Reproduction
- Detail Clarity Processor 4 Enhances Image Clarity and Sharpness
- Daylight View Basic Ensures Clear and Vivid Images in Bright Environments
- DICOM Simulation Mode*4 for Medical Presentations
- Color Adjustment Function Corrects Color Variations in Multiple-Projection

Low Maintenance with ECO Functions

- Continuous Operational Period for Laser Light Source (Without Exchange) Extended to 20,000 Hours*5*6
- Inorganic LCD Panel and Inorganic Polarizing Plate Maintain High-Quality Images for Extended Period of Time
- Estimated Maintenance for Reusable ECO Filter Extended to Approx. 20,000 Hours*6
- One-Way Airflow Design Enhances Lens Assembly Sealing to Reduce Dust Intrusion
- Dust-Resistant Cabinet Improves Sealing of Filter Module and Air-Intake Duct
- ECO Management System Effectively Reduces Power Consumption
- Ultra-Quiet 28 dB*7 Operation in Quiet Mode

Excellent System Flexibility

- DIGITAL LINK Supports Transmission of Uncompressed Full HD Video, Audio, and Control Commands Through a Single CAT 5e or Higher STP Cable for Distances of Up to 150 m (492 ft)*8
- Powered Lens Shift, Zoom, and Focus via Remote Control
- Wireless Projection with Optional Module (ET-WM300)
- Corner Keystone & Curved Screen Correction
- Free 360-degree Projector Cabinet Rotation
- PT-EZ770 Series Lenses to Suit Various Rooms and Applications
- Network Function via LAN for Stress-free Remote Operation
- Supports Multi Monitoring & Control Software (Free)

Specifications (Tentative)

Model	PT-MZ670/L	PT-MZ570/L	PT-MW630/L	PT-MW530/L
Power supply	100–240 V AC, 50/60 Hz			
Power consumption	TBD			
LCD panel	Panel size	19.3 mm (0.76") diagonal (16:10 aspect ratio)		
	Display method	Transparent LCD panel (× 3, R/G/B)		
	Drive method	Active matrix		
	Pixels	2,304,000 (1920 × 1200) × 3, total of 6,912,000 pixels		1,024,000 (1280 × 800) × 3, total of 3,072,000 pixels
Lens	PT-MZ670/MZ570/MW630/MW530: Powered zoom (Throw Ratio 1.7–2.8:1), F = 1.7–2.3, f = 26.9–45.5 mm PT-MZ670L/MZ570L/MW630L/MW530L: Optional powered zoom/focus lenses			
Light source	Laser diode			
Screen size (diagonal)	1.03–10.57 m (40–400 in), 16:10 aspect ratio			
Brightness*1	6,500 lm	5,500 lm	6,500 lm	5,500 lm
Center-to-corner uniformity*1	90 %			
Contrast	3,000,000:1 (Dynamic Contrast)			
Resolution	1920 × 1200 pixels*2		1280 × 800 pixels*3	
Scanning frequency	HDMI/DIGITAL LINK	Dot clock: 25–162 MHz (VGA: 640 × 480 pixels to WUXGA: 1920 × 1200 pixels, VESA CVT-RB compliant with HDCP).		
	RGB	fh: 15 kHz–91 kHz, fv: 24 Hz–100 Hz, dot clock: up to 162 MHz		
	YPbPr (Y/Cs/Cr)	fh: 15.73 kHz, fv: 59.94 Hz [480i (525i)], fh: 15.63 kHz, fv: 50 Hz [576i (625i)], fh: 45.00 kHz, fv: 60 Hz [720 (750)/60p], fh: 33.75 kHz, fv: 60 Hz [1080 (1125)/60i], fh: 28.13 kHz, fv: 25 Hz [1080 (1125)/25p], fh: 27.00 kHz, fv: 48 Hz [1080 (1125)/24F], fh: 67.50 kHz, fv: 60 Hz [1080 (1125)/60p], fh: 31.47 kHz, fv: 59.94 Hz [480p (525p)], fh: 31.25 kHz, fv: 50 Hz [576p (625p)], fh: 37.50 kHz, fv: 50 Hz [720 (750)/50p], fh: 28.13 kHz, fv: 50 Hz [1080 (1125)/50i], fh: 27.00 kHz, fv: 24 Hz [1080 (1125)/24p], fh: 33.75 kHz, fv: 30 Hz [1080 (1125)/30p], fh: 56.25 kHz, fv: 50 Hz [1080 (1125)/50p]		
	Video/YC	fh: 15.73 kHz, fv: 59.94 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fh: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM]		
Optical axis shift	Vertical (from center of screen)	±67 % (powered)		
	Horizontal (from center of screen)	±35 % (powered)		
Keystone correction range*3	Vertical: ±30 °, horizontal: ±25 °		Vertical: ±35 °, horizontal: ±35 ° (Up to a total of ±55 ° during simultaneous horizontal and vertical correction)	
Installation	Horizontal/Vertical, free 360-degree installation			
Built-in speaker	10 W (monaural)			
Terminals	HDMI IN	HDMI 19-pin × 2 (Deep Color, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)		
	RGB 1 IN	BNC × 5 (RGB or YPbPr/YCaCr × 1)		
	RGB 2 IN	D-sub HD 15-pin (female) × 1 (compatible with component input)		
	VIDEO IN	Pin jack × 1 (composite video)		
	MONITOR OUT	D-sub HD 15-pin (female) × 1 (RGB × 1) (compatible with RGB or YPbPr/YCaCr)		
	AUDIO IN	Pin jack × 2 (L/R × 1), M3 × 2 (L-R × 2)		
	AUDIO OUT	M3 × 1 (L-R × 1) for output (variable)		
	SERIAL IN	D-sub 9-pin (female) × 1 for external control (RS-232C compliant)		
	REMOTE 1 IN	D-sub 9-pin (female) × 1 for external control (parallel)		
	REMOTE 2 IN	M3 × 1 for wired remote control		
	LAN	RJ-45 × 1 for network connection, 10Base-T, 100Base-TX, compatible with PjLink™		
	DIGITAL LINK	RJ-45 × 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PjLink™, HDCP, Deep Color		
	Memory Viewer/Pairing	USB (Type A) × 1		
	DC OUT	USB (Type A) × 1, DC 5 V/2 A**		
Operating noise*4	33 dB (Normal/ECO Mode), 28 dB (Quiet Mode)			
Filter	x 1, estimated maintenance time: approx. 20,000 hours*5			
Cabinet materials	Molded plastic (PC + ABS)			
Dimensions (W × H × D)	PT-MZ670/MZ570/MW630/MW530: 560 × 205*6 × 443.2 mm (22 1/16" × 8 1/16" × 17 7/16") (with supplied lens) PT-MZ670L/MZ570L/MW630L/MW530L: 560 × 205*6 × 428 mm (22 1/16" × 8 1/16" × 16 27/32") (without lens)			
Weight*7	PT-MZ670/MZ570/MW630/MW530: Approximately 16.0 kg (35.3 lbs) (with supplied lens) PT-MZ670L/MZ570L/MW630L/MW530L: Approximately 15.2 kg (33.5 lbs) (without lens)			
Operating environment	Operating temperature: 0 °C–45 °C (32 °F–113 °F)*8, operating humidity: 20 %–80 % (no condensation)			
Supplied accessories	Power cord with power cord holder*9, wireless/wired remote control unit × 1, batteries (R03/LR03/AAA type × 2), CD-ROM × 1 (operation manual)			

Note: The PT-MZ670L/MZ570L/MW630L/MW530L delivers the same performance as the PT-MZ670/MZ570/MW630/MW530, but comes without a lens.

*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *2 Input signals that differ from supported resolution will be converted. *3 With the supplied lens. Value differs when the correction for both directions is operated. *4 No output when projector is on standby. *5 For anticipated usage in general classrooms and meeting rooms. Estimated maintenance time varies depending on environment. *6 With legs at shortest position. *7 Average value. May differ depending on models. *8 Brightness is limited at the operating temperature higher than 36 °C (96.8 °F) or at altitude higher than 1,400 m (4,593 ft) above sea level. *9 Power cords available (x2) for Europe, the UK and Asia only.

Optional Accessories

- Zoom Lens**
 ET-ELW20 / ET-ELW22
 ET-ELT20 / ET-ELT21/
 ET-ELS20*
 - DIGITAL LINK Switcher**
 ET-YFB200G
 - Early Warning Software**
 ET-SWA100 Series
 - Bracket Assembly**
 ET-PKE300B
 - Wireless Module Unit**
 ET-WM300
 - Digital Interface Box**
 ET-YFB100G
 - Ceiling Mount Bracket**
 ET-PKD120H (for high ceiling)
 ET-PKD120S (for low ceiling)
 - Replacement Filter Unit**
 ET-RFM100
 - Easy Wireless Stick**
 ET-UW100*
- * Available only in the US and Europe. * Availability varies depending on region.

- Fixed Lens**
ET-ELW21

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