Panasonic
BUSINESS

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

SOLID SHINE LASER

360°

DIGITAL LINK ™ SINGLE CABLE SOLUTION

24/7 Operation

WIRELESS (Option)

PT-MZ670 Series				
	PT-MZ670/L	PT-MZ570/L	PT-MW630/L	PT-MW530/L
Resolution	WUXGA	WUXGA	WXGA	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)

*1 PT-MZ670/L and PT-MW630/L only. Please refer chart above for brightness of each model. *2 With image mode set to Dynamic. *3 For PT-MZ670/L and PT-MZ570/L only. Please refer chart above for resolution of each model. *4 This product is not a medical instrument. Do not use for actual medical diagnosis. *5 Around this time, original light source brightness will have decreased by approximately 50 %. *6 For anticipated usage in general classrooms and meeting rooms. Estimated maintenance time varies depending on environment. *7 33 dB in Normal/ECO Mode. *8 150 m (492 ft) transmission available in Long Reach Mode with optional ET-YFB200G DIGITAL LINK Switcher only. Signal resolution is limited to 1080/60p (dot-clock frequency 148.5 MHz) and below.

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 x 480 pixels to WUXGA: 1920 x 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 (YCBCR)	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)/24sF], 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/YCBCR x 1)			
	RGB 2 IN	D-sub HD 15-pin (female) x 1 (compatible with component input)			
	VIDEO IN	Pin jack x 1 (composite video)			
	MONITOR OUT	D-sub HD 15-pin (female) x 1 (RGB x 1) (compatible with RGB or YPBPR/YCBCR)			
	AUDIO IN	Pin jack x 2 (L/R x 1), M3 x 2 (L-R x 2)			
	AUDIO OUT	M3 x 1 (L-R x 1) for output (variable)			
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)			
	REMOTE 1 IN	D-sub 9-pin (female) x 1 for external control (parallel)			
	REMOTE 2 IN	M3 × 1 for wired remote control			
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PJLink™			
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PJLink™, HDCP, Deep Color			
	Memory Viewer/Pairing	USB (Type A) x 1			
	DC OUT	USB (Type A) x 1, DC 5 V/2 A*4			
Operating noise*1		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 x 205*6 x 443.2 mm (22 1/16˝ x 8 1/16˝*6 x 17 7/16˝) (with supplied lens) PT-MZ670L/MZ570L/MW630L/MW530L: 560 x 205*6 x 428 mm (22 1/16˝ x 8 1/16˝*6 x 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*
* Available only in the US and Europe.

■ Fixed Lens
ET-ELW21

■ DIGITAL LINK Switcher
ET-YFB200G

■ Digital Interface Box
ET-YFB100G

■ Early Warning Software
ET-SWA100 Series

■ Ceiling Mount Bracket
ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)

■ Bracket Assembly
ET-PKE300B

■ Replacement Filter Unit
ET-RFM100

■ Wireless Module Unit
ET-WM300

■ Easy Wireless Stick
ET-UW100*
* Availability varies depending on region.

Panasonic®

For more information about Panasonic projectors, please visit:
Projector Global Website – **panasonic.net/cns/projector**
Facebook – **www.facebook.com/panasonicprojector**
YouTube – **www.youtube.com/user/PanasonicProjector**

All information included here is valid as of July 2017.

PT-MZ670PRE1 Printed in Japan.