

Bright SOLID SHINE Laser LCD Projectors Blend High Performance and Low Running Costs for Best Value in Mid-sized Venues



PT-MZ770 Series		
	PT-MZ770/L	PT-MW730/L
Brightness	7,500 lm	
Resolution	WUXGA	WXGA
Contrast	3,000,000:1*1	

Note: PT-MZ770L and PT-MW730L offer the same performance as PT-MZ770 and PT-MW730 respectively, but come without a lens.

Outstanding Brightness and Picture Quality

- SOLID SHINE Laser technology with 3LCD optical engine serves bright, vivid, and detailed pictures
- Up to 7,500 lm brightness delivered from compact and lightweight body
- 3,000,000:1*1 dynamic contrast via digitally modulated laser light source improves text legibility and assists with crisp and accurate pictures
- Available in WUXGA*2 for detailed Full HD video reproduction and high-resolution images, text, and graphics
- Detail Clarity Processor 4 enhances image clarity and sharpness
- Daylight View Basic optimizes pictures for best visibility in bright environments
- DICOM Simulation Mode*3 for medical presentations
- Color Adjustment Function corrects color variations in multi-projector applications

High Efficiency and Low Maintenance

- Laser light source returns 20,000 hours*4 of continuous operation (no exchange required)
- Inorganic LCD panels and inorganic polarizing plates maintain high image quality for extended periods
- Extended 20,000-hour*5 maintenance-free period for reusable Eco Filter*6
- One-way airflow design improves efficacy of lens-assembly sealing to maintain high brightness and picture quality
- Dust-resistant cabinet design improves filter-module and air-intake-duct sealing
- ECO Management System effectively reduces power consumption

Easy Setup and Operation

- DIGITAL LINK/HDMI® support transmission of uncompressed 4K signal (PT-MZ770/L only)
- Powered lens shift, zoom, and focus via remote control
- Supports wireless projection with optional module (ET-WM300)
- Corner Keystone & Curved Screen Correction
- Network function via LAN for stress-free remote operation
- Supports free Multi Monitoring & Control Software
- Incorporates LinkRay™ Light ID Transmission function delivering information to smartphones*7, ideal for signage and exhibition/display applications

*1 With Dynamic Contrast 1/2, Image Mode set to Dynamic. *2 PT-MZ770/L has WUXGA and PT-MW730/L WXGA resolution. *3 This product is not a medical instrument. Do not use for actual medical diagnosis. *4 Around this time, original light source brightness will have decreased by approximately 50%. With IEC62087: 2008 Broadcast content, Dynamic Contrast [2], in environments with 0.15 mg/m³ of particulate matter. Estimated maintenance time varies depending on environment. *5 In environments with 0.15 mg/m³ of particulate matter. Estimated maintenance time varies depending on environment. *6 Eco Filter is designed to be washed and reused twice. If filter is not sufficiently clean after washing with water, replacement is advised. *7 Requires purchase and activation of a LinkRay™ service contract.

Specifications (Tentative)

Model	PT-MZ770/MZ770L		PT-MW730/MW730L
LCD panel	Panel size	19.3 mm (0.76") diagonal (16:10 aspect ratio)	
	Display method	Transparent LCD panel (x 3, R/G/B)	
	Drive method	Active matrix	
	Pixels	2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels	1,024,000 (1280 x 800) x 3, total of 3,072,000 pixels
Lens	PT-MZ770/MW730: Powered zoom (throw ratio 1.6–2.8 :1), F = 1.7–2.3, f = 26.8–45.5 mm PT-MZ770L/MW730L: Optional powered zoom/focus lenses		
Light source	Laser diode (Class 1) (Class 3R for US models)		
Screen size (diagonal)	1.02–10.16 m (40–400 in), 16:10 aspect ratio 1.52–10.16 m (60–400 in) with the ET-ELW22, 16:10 aspect ratio		
Brightness*1	7,500 lm		
Center-to-corner uniformity*1	90 %		
Contrast	3,000,000:1 (Dynamic Mode/Dynamic Contrast 1/2)		
Resolution	1920 x 1200 pixels		1280 x 800 pixels
Optical axis shift	Vertical (from center of screen)	±67 % (powered) (for supplied lens [ELS20]/ELW20/ELT20/ELT21, ELW22; max. ±60 %, ELW21; cannot use optical axis shift function)	
	Horizontal (from center of screen)	±35 % (powered) (for supplied lens [ELS20]/ELW20/ELT20/ELT21, ELW22; max ±30%, ELW21; cannot use optical axis shift function)	
Keystone correction range*2	Vertical: ±25°, Horizontal: ±30°		Vertical: ±35°, Horizontal: ±35° (Up to a total of ±55° during simultaneous horizontal and vertical correction)
Installation	Horizontal/Vertical, free 360-degree installation		
Terminals	HDMI IN	HDMI 19-pin x 2 (Deep Color, compatible with HDCP), audio signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	
	RGB 1 IN	BNC x 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), M3 stereo mini jack x 2	
	AUDIO OUT	M3 stereo mini-jack x 1 for output	
	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 x 1 for wired remote control	
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX, compatible with PLink™ (Class 2)	
	DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK connection, 100Base-TX, compatible with PLink™ (Class 2), HDCP, Deep Color	
	Memory Viewer/Pairing	USB (Type A) x 1	
	DC OUT	USB (Type A) x 1, DC 5 V/2 A*3	
Power supply	100–240 V AC, 50/60 Hz		
Power consumption	TBD	TBD	
Built-in speaker	10 W (monaural)		
Operating noise*1	35 dB (NORMAL/ECO Mode), TBD (Quiet Mode)		
Filter	x 1, estimated maintenance time: approx. 20,000 hours*4		
Cabinet materials	Molded plastic (PC + ABS)		
Dimensions (W x H x D)	PT-MZ770/MW730: 560 x 205*5 x 443 mm (22 1/16" x 8 1/16"*5 x 17 7/16") (with supplied lens) PT-MZ770L/MW730L: 560 x 205*5 x 428 mm (22 1/16" x 8 1/16"*5 x 16 27/32") (without lens)		
Weight*6	PT-MZ770/MW730: Approximately 17.1 kg (37 lbs) (with supplied lens) or less PT-MZ770L/MW730L: Approximately 16.3 kg (35.7 lbs) (without lens)		
Operating environment	Operating temperature: 0 °C–45 °C (32 °F–113 °F)*7, operating humidity: 20 %–80 % (no condensation)		
Applicable software/application	Wireless Manager for Windows/Mac, Logo Transfer Software, Multi Monitoring & Control Software, Smart Projector Control, Plug and Share, Wireless Projector Apps for iOS/Android™		

Note: PT-MZ770L and PT-MW730L deliver the same performance as PT-MZ770 and PT-MW730 but respectively come without a lens.

*1 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *2 With supplied lens. Value differs when correction for both directions is operated. *3 On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. *4 Under conditions with 0.15 mg/m³ of particulate matter (based on tests by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers [ASHRAE], and the Japanese Building Maintenance Association). Estimated maintenance time varies depending on environment. *5 With legs at shortest position. *6 Average value. May differ depending on models. *7 Brightness is limited at operating temperatures higher than 36 °C (96 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level.

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

Ceiling Mount Bracket

ET-PKD120H (for high ceiling)
ET-PKD120S (for low ceiling)

Bracket Assembly

ET-PKE301B

Replacement Filter Unit

ET-RFM100

Wireless Module

ET-WM300

Easy Wireless Stick

ET-UW100*

* Availability varies depending on region.

DIGITAL LINK Switcher

ET-YFB200G

Digital Interface Box

ET-YFB100G

Early Warning Software

ET-SWA100 Series