

The World's Smallest and Lightest*¹ 5,000-lm LCD Laser Projector



Education & Training



Office & Boardroom

Bright and Compact

5,000 lm at WUXGA from a compact, stylish 7.2 kg (15.87 lbs.) [TBD] body, bringing dynamic images to any space

Supreme Efficiency

SOLID SHINE Laser light-source delivers 20,000 hours*² of consistent brightness and color accuracy

Flexible Installation

1.6x zoom, V/H lens shift, and short 1.09:1 throw-ratio liberates installation flexibility

Future-ready Connections

Supports 4K signal input*³ via HDMI® and DIGITAL LINK*⁴, separate LAN and DIGITAL LINK*⁴ terminals



Excluding PT-VMZ40



Supports signals up to 4K/30p



Requires Optional USB Wireless Module



PT-VMZ50 Series

	PT-VMZ50	PT-VMZ40	PT-VMW50
Light Output	5,000 lm	4,500 lm	5,000 lm
Resolution	WUXGA		WXGA

AVAILABLE FROM MARCH 2019

*¹ For laser projectors in the 5,000-lumens-class or higher with WUXGA resolution as of November 2018. *² Around this time, light output will have decreased by approximately 50%. IEC62087-2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [2], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Estimated maintenance time varies depending on environment. *³ Supports signals up to 4K/30p. Images are converted to 1920 x 1080 for PT-VMZ50/VMZ40 and 1280 x 720 for PT-VMW50. Applicable terminals: DIGITAL LINK terminal/HDMI terminal.

Specifications (Tentative)

Model	PT-VMZ50	PT-VMZ40	PT-VMW50	
Projector type	LCD Projectors			
LCD panel	Panel size	16 mm (0.64 in) diagonal (16:10 aspect ratio)		
	Display method	Transparent LCD panel (× 3, R/G/B)		
	Drive method	Active matrix method		
	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	
Light source	Laser Diode			
Light output*1	5,000 lm	4,500 lm	5,000 lm	
Time until light output declines to 50 %*2	20,000 hours (NORMAL)			
Resolution	1920 × 1200 pixels		1280 × 800 pixels	
Contrast*1	3,000,000:1 (all white/all black) (Input signals: PC, LIGHT POWER: NORMAL, PICTURE MODE: DYNAMIC, DAYLIGHT VIEW: OFF, DYNAMIC CONTRAST: 1, AUTO POWER SAVE: OFF)			
Screen size (diagonal)	0.76–7.62 m (30–300 in), 16:10 aspect ratio			
Center-to-corner uniformity*1	85 %			
Lens	1.6 × Manual zoom (Throw ratio: 1.09–1.77:1) Manual focus lens, F = 1.60–2.12, f = 15.30–24.64 mm			
Lens shift	Vertical (from center of screen)	0 % – +44 % (Manual) [TBD]		
	Horizontal (from center of screen)	[TBD]		
Keystone correction range	Vertical: ±25°, Horizontal: ±35° [TBD]		Vertical, Horizontal: ±35° [TBD]	
Installation	Horizontal/vertical, free 360-degree installation			
Terminals	HDMI 1/2 IN	HDMI 19-pin × 2 (Compatible with HDCP, Deep Color, 4K/30p signal input)		
	COMPUTER 1 IN	D-sub 15-pin (female) × 1 (RGB/YpPr/YCbCr)		
	COMPUTER 2 IN / MONITOR OUT	D-sub 15-pin (female) × 1 (RGB/YpPr/YCbCr) (input/output switching)		
	VIDEO IN	Pin jack × 1		
	AUDIO 1/2 IN	M3 stereo mini-jack × 2		
	AUDIO 3 IN	Pin jack (L/R) × 1		
	VARIABLE AUDIO OUT	M3 stereo mini-jack × 1		
	SERIAL IN	D-sub 9-pin × 1 for computer control (RS-232C compliant)		
	LAN	RJ-45 × 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ (Class 2)		
	DIGITAL LINK/LAN	RJ-45 × 1 for network and DIGITAL LINK connection HDBase-T™ compliant, 100Base-TX, compatible with PLink™ (Class 2), HDCP, Deep Color, 4K/30p signal input	–	RJ-45 × 1 for network and DIGITAL LINK connection HDBase-T™ compliant, 100Base-TX, compatible with PLink™ (Class 2), HDCP, Deep Color, 4K/30p signal input
	USB CONNECTOR	USB connector (Type A) × 1 for Memory Viewer function, power supply (DC 5 V, maximum 2 A*3), optional wireless module AJ-WM50 [TBD]		
Power supply	AC 100 V–240 V, 50/60 Hz			
Power consumption	[TBD]			
Built-in speaker	10 W monoaural			
Cabinet materials	Molded plastic			
Filter	Included (Filter replacement cycle: TBD)			
Operation noise*3	NORMAL: 38 dB, QUIET: 29 dB [TBD]			
Dimensions (W × H × D)	399 mm × 115 mm × 348 mm (15 23/32" × 4 17/32" × 13 11/16") (Not including protruding parts) 399 mm × 133 mm × 348 mm (15 23/32" × 5 1/4" × 13 11/16") (With feet at shortest position)			
Weight*4	Less than 7.2 kg (15.87 lbs.) [TBD]			
Operating environment	Operating temperature: 0–45 °C (32–113 °F) Operating humidity: 20–80 % (No condensation)			
Applicable software	Multi Monitoring & Control Software, Presenter Light for Windows®, Wireless Projector for iOS/Android™, Logo Transfer Software			

*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [2], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m³ of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *3 On standby, power supply is not available with Operational Mode set to [ECO]. *4 Average value. May differ depending on the actual unit.

Optional Accessories

- High-Ceiling Mount Bracket ET-PKL100H
- Low-Ceiling Mount Bracket ET-PKL100S
- Attachment for Ceiling Mount Bracket ET-PKV400B
- Replacement Filter Unit ET-RFV410 [TBD]
- Wireless Module AJ-WM50 [TBD]
- DIGITAL LINK Switcher ET-YFB200G
Note: ET-YFB200G is not compatible with 4K signals.
- Digital Interface Box ET-YFB100G
Note: ET-YFB100G is not compatible with 4K signals.
- Early Warning Software ET-SWA100 Series
Note: Part number suffix may differ depending on the license type.
* Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website:
<https://panasonic.net/cns/projector/download/application/>

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All information included here is valid as of November 2018.

PT-VMZ50PRE3 Printed in Japan.