

4,000-lm-class SOLID SHINE Laser Projectors Revitalize Communication with WUXGA¹ Images



[Preliminary Specification] PT-LMZ460 Series LCD Laser Projectors

	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420
Light Output	4,600 lm	4,200 lm	4,600 lm	4,200 lm	4,600 lm	4,200 lm
Resolution	WUXGA (1920 x 1200 pixels)		WXGA (1280 x 800 pixels)		XGA (1024 x 768 pixels)	

• **SOLID SHINE Laser for High-Visibility Images**

Elevate communication quality with crisp, detailed images that stay clearly visible in well-lit rooms. With higher panel resolution than Full HD, WUXGA projectors can reproduce images at their original aspect ratio. Combined with 3,000,000:1⁴ contrast and up to 4,600 lm⁵ SOLID SHINE Laser brightness, you'll get more from every class and meeting.

• **Lasting Reliability with Minimal Maintenance**

With efficient 280 W (TBD) power consumption, SOLID SHINE Laser eliminates lamp hassle, maintains consistent brightness, and extends replacement to 20,000 hours⁶. Together with ECO Filter, which doesn't need maintenance for 15,000 hours⁷ (TBD), SOLID SHINE reduces waste, cost, and labor.

• **Compact and Flexible Design That's So Easy to Use**

Light 4.5 kg (9.92 lbs) (TBD) body, 1.2x zoom lens, and 4K signal input² streamlines installation. Start presenting instantly with Quick Startup enabling projection from standby in one second⁸. CEC command-compatible⁹ HDMI[®] links projector control with the source for easy operation. You can also share content wirelessly³ and power optional Wireless Presentation System PressIT¹⁰ via 5 V / 2 A USB port.

¹ PT-LMZ460/LMZ420: WUXGA (1920 x 1200), PT-LMW460/LMW420: WXGA (1280 x 800), PT-LMX460/LMX420: XGA (1024 x 768). ² Supports signals up to 4K/30p. A signal with different resolution is converted to the number of display dots. PT-LMZ460/LMZ420: 1920 x 1200 dots, PT-LMW460/LMW420: 1280 x 800 dots, PT-LMX460/LMX420: 1024 x 768 dots. ³ Optional AI-WM150 Series Wireless Module required (sold separately). Product availability may vary by country or region. Free software is available for Windows[®] PC at <https://panasonic.net/cns/projector/download/application/>. Panasonic Wireless Projector app available at the App Store or the Google Play Store. Please check device and OS compatibility before download and installation. ⁴ Full On/Full Off, when [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1]. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ⁵ PT-LMZ460/LMW460/LMX460: 4,600 lm, PT-LMZ420/LMW420/LMX420: 4,200 lm. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and method of notation are all compliant with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ⁶ Around this time, light output will have decreased to approximately 50% of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of particulate matter). Estimated time until light output declines to 50% varies depending on environment. ⁷ Filter cleaning cycle: 15,000 hours (TBD, under dust conditions of 0.08 mg/m³), 7,500 hours (TBD, under dust conditions of 0.15 mg/m³). Filter can be washed and reused up to two times (see Operating Manual for details). Filter cleaning cycle varies depending on the environment. ⁸ When ECO MANAGEMENT > QUICK STARTUP is set to ON. Quick Startup is unavailable after the Available Period setting has expired. When QUICK STARTUP is set to ON, the projector continues to warm up, increasing power consumption. ⁹ Depending on the connected CEC command-compatible device, the link control may not operate normally. ¹⁰ Wireless Presentation System PressIT sold separately. Availability may vary by country or region. For more information, visit <https://panasonic.net/cns/prodisplays/pressit/>.

Specifications (Tentative)

Model	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420
Projector type	LCD projectors					
LCD panel	Size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)			16.0 mm (0.63 in) diagonal (4:3 aspect ratio)	
	Display system	Transparent LCD panel (x 3, R/G/B)				
	Drive method	Active matrix				
	Pixels	2,304,000 (1920 x 1200) pixels		1,024,000 (1280 x 800) pixels		786,432 (1024 x 768) pixels
Light source	Laser diodes					
Light output ^{1,2}	4,600 lm	4,200 lm	4,600 lm	4,200 lm	4,600 lm	4,200 lm
Time until light output declines to 50 % ³	20,000 hours (NORMAL/QUIET)/24,000 hours (ECO)					
Resolution	WUXGA (1920 x 1200 pixels)		WXGA (1280 x 800 pixels)		XGA (1024 x 768 pixels)	
Contrast ratio ¹	3,000,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)					
Screen size (diagonal)	0.76–7.62 m (30–300 in), 16:10 aspect ratio				0.76–7.62 m (30–300 in), 4:3 aspect ratio	
Center-to-corner zone ratio ¹	85 %					
Lens	1.2x manual zoom (throw ratio: 1.36–1.64:1), manual focus lens, F 1.61–1.76, f 19.1–23.0 mm				1.2x manual zoom (throw ratio: 1.47–1.77:1), manual focus lens, F 1.61–1.76, f 19.1–23.0 mm	
Digital Zoom Extender ⁴	Throw ratio: 1.36–2.05:1 ⁵ (Corresponding value. When used together with optical zoom.) (TBD)				Throw ratio: 1.47–2.21:1 ⁵ (Corresponding value. When used together with optical zoom.) (TBD)	
Keystone correction range	Vertical: ±25 ° (Auto, Manual), Horizontal: ±35 ° (Manual)		Vertical: ±35 ° (Auto, Manual), Horizontal: ±35 ° (Manual)			
Installation	Ceiling/floor, front/rear, free 360-degree installation					
Terminals	HDMI 1/2 IN	HDMI 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p ⁶ signal input), CEC supported ⁷				
	COMPUTER 1 IN	D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)				
	COMPUTER 2 IN	D-sub 15-pin (female) x 1 (RGB/YPbPr/YCbCr)				
	AUDIO 1/2 IN	M3 stereo mini-jack x 2				
	VARIABLE AUDIO OUT	M3 stereo mini-jack x 1				
	SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)				
	LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ [Class 2]				
	USB (VIEWER/WIRELESS/DC OUT)	USB connector (Type A) x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A ⁸)				
	Power supply	AC 100 V–240 V, 50/60 Hz				
Power consumption ⁹	Maximum power consumption	280 W (TBD)				
	On-mode power consumption (Light Power)	[NORMAL] 250 W (TBD), [ECO] 200 W (TBD), [QUIET] 195 W (TBD)				
Built-in speaker	10 W monaural					
Cabinet materials	Molded plastic					
Filter ¹⁰	Included (Estimated maintenance time: approx. 15,000 hours) (TBD)					
Operation noise ¹	36 dB (NORMAL/ECO) (TBD), 26 dB (QUIET) (TBD)					
Dimensions (W x H x D)	349 mm x 105 mm x 309 mm (13 3/4" x 4 1/8" x 12 5/32") (with feet at shortest position) (TBD)					
Weight with supplied lens ¹¹	Approx. 4.5 kg (9.92 lbs) (TBD)					
Operating environment	Operating temperature: 0–45 °C (32–113 °F) ¹² , Operating humidity: 20–80 % (no condensation)					
Applicable software	Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows ¹³ , Wireless Projector App for iOS/Android ¹⁴					

¹ Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. ² When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF]. ³ Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [2], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. ⁴ Resolution decreases when using this function. ⁵ V/H Keystone Correction and curved-screen correction are not available when using this function, and range of corner adjustment is limited. ⁶ 4K signals are converted to the projector's resolution upon projection. ⁷ Depending on the connected CEC command-compatible device, the link control may not operate normally. ⁸ On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. ⁹ Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). ¹⁰ Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times. Filter cleaning cycle: 15,000 hours (TBD), under dust conditions of 0.08 mg/m³, 7,500 hours (TBD), under dust conditions of 0.15 mg/m³. ¹¹ Average value. May differ depending on the actual unit. ¹² Light output is limited at operating temperatures higher than 30 °C (86 °C), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F). ¹³ When using Presenter Light Software, images are projected with 1280 x 800 dots or 1024 x 768 dots onto the screen. Also, your PC display resolution may be forcibly changed, and audio playback disrupted or become noisy, while images and sound are being transmitted. ¹⁴ When using the Wireless Projector app, display resolution differs depending on your iOS/Android™ device and the display device. The maximum supported display resolution is WXGA (1280 x 800).

Optional Accessories

- Ceiling Mount Bracket**
 ET-PKL100H (for high ceilings) / ET-PKL100S (for low ceilings)
 Note: ET-PKL100H/PKL100S used in combination with ET-PKL420B (sold separately).
- Replacement Filter Unit**
 ET-RFL400
- Wireless Module**
 AJ-WM50 Series
 Note: product availability may vary by country or region. The suffix at the end of the model number is omitted. Operating Temperature: 0–40 °C (32–104 °F).
- Early Warning Software**
 ET-SWA100 Series
 Note: part number suffix may differ depending on the license type.
- Wireless Presentation System PressIT**
 TY-WPS1 (basic set)
 Note: visit <https://panasonic.net/cns/prodisplays/pressit/> for more information.

Panasonic CONNECT

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 Projector Global Website – <https://panasonic.net/cns/projector/>
 Facebook – www.facebook.com/panasonicprojectoranddisplay
 YouTube – www.youtube.com/user/PanasonicProjector

Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to Panasonic Connect Co., Ltd. as of April 1, 2022.

All information included here is valid as of June 2022.

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