Panasonic

MEVIX

LCD Projectors

PT-LMZ460 Series

Note: Product availability varies by country or region.

Revitalize Communication with 4,000-lm-class WUXGA[1] Portable Laser Projectors

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■ **Main Features**

01 | Effortless Projection Anywhere

LMZ460 Series weighs just 4.2 kg (9.26 lbs) and has a compact body that's easy to carry and install. Project content from standby in about one second[2], link control with supported source devices via CEC command-compatible[3] HDMI™, and install flexibly with the Digital Zoom Extender and Image Shift functions[4].

02 | Efficient, Reliable, and Cost-Effective

SOLID SHINE Laser and reusable ECO Filter don't need replacement for 20,000 hours[5], slashing maintenance cost, time, effort, and wastage compared to a lamp projector. High-efficiency optical engine reduces energy consumption by 20 %[6] compared to conventional lamp-based models, saving resources.

03 | SOLID SHINE for Clear Images in Bright Light

Inspire your students or colleagues with clear, sharp pictures even in brightly lit rooms with up to 4,600 lm[7] brightness and 3,000,000:1[8] Dynamic Contrast. WUXGA[1] panels reproduce images at their original aspect ratio and offer extra image height when projecting webpages and spreadsheets.

PT-LMZ460 Series						
	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420
Light Output	4,600 lm[7] / 4,600 lm (ANSI)[9]	4,200 lm[7] / 4,200 lm (ANSI)[9]	4,600 lm[7] / 4,600 lm (ANSI)[9]	4,200 lm[7] / 4,200 lm (ANSI)[9]	4,600 lm[7] / 4,600 lm (ANSI)[9]	4,200 lm[7] / 4,200 lm (ANSI)[9]
Resolution	WUXGA (1920 x 1200)		WXGA (1280 x 800)		XGA (1024 x 768)	

SOLID SHINE LASER   ACCEPTS 4K SIGNAL [10]   360°   WIRELESS [11]

Clear Pictures Wherever You Go

LMZ460 Series is highly portable and easy to install. It delivers up to 4,600 lm[1] for vibrant pictures in brightly lit rooms. Text is crisp and smooth thanks to 3,000,000:1[2] Dynamic Contrast and WUXGA[3] resolution. Start instantly with projection from standby in about one second[4], and reduce distractions with quiet 23 dB[5] operation.

Smooth and Easy UX

Two CEC-command-compatible[6] HDMI™ inputs allow LMZ460 Series to start up and project content automatically, just press play on your device. Wireless projection[7] is simplified with QR code connection, or try optional Wireless Presentation System PressIT[8] to share your screen with a single button-press. 5 V/2 A USB port and 4K input-signal[9] compatibility streamline integration.

Efficient, Reliable, and Economical

Make the change to eco-friendly Panasonic projection. Laser light-source and reusable ECO Filter don't need replacement until 20,000 hours[10], reducing waste, cost, and hassle. LMZ460 Series is also more efficient, using 20 %[11] less energy than conventional lamp-based models with maximum power consumption of just 240 W.

Simple to Adjust and Install

Screen adjustment includes Automatic Vertical Keystone Correction, 4-Corner and Horizontal/Vertical Keystone Correction, 6-Point Correction[12], and Curved Screen Correction. Digital Zoom Extender[13] can allow you to keep the same mount position as your old projector if it's beyond optical zoom range, while Digital Image Shift moves the image 10 %[14] in any direction, great for off-axis projection.

■ Other Features

- Built-in 10 W speaker, mic input, audio output, and shutter function
- DICOM Simulation Mode
- Supports PJLink™, Crestron Connected™, and AMX® DD
- Control emulation function
- Custom startup logo and anti-theft features
- Free 360° installation
- ECO Management System
- Presentation Support System

1 Refer to specifications for brightness values of individual models. 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. 2 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. 3 PT-LMZ460/LMZ420: WUXGA (1920 x 1200), PT-LMW460/LMW420: WXGA (1280 x 800), PT-LMX460/LMX420: XGA (1024 x 768). 4 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. When [QUICK STARTUP] is set to [ON], the standby period when the [QUICK STARTUP] function is valid will be added as the projector runtime. [QUICK STARTUP] cannot be set when [STANDBY MODE] is set to [ECO]. May vary depending on connection terminals, signals, and other conditions. 5 For PT-LMZ460/LMW420/LMX420 in QUIET Mode (33 dB in NORMAL/ECO Mode). PT-LMZ460/LMW460/LMX460: 24 dB (QUIET Mode), 35 dB (NORMAL/ECO Mode). 6 Depending on the connected CEC command-compatible device, the link control may not operate normally. 7 Optional AJ-WM50 Series Wireless Module (sold separately) is required to enable wireless functions including connection via QR code. Product availability may vary by country or region. Free software is available for Windows® PC at our global website. Panasonic Wireless Projector app available at the App Store or the Google Play store. Please check device and OS compatibility before download and installation. 8 Sold separately. Product availability may vary by country or region. For more information, visit our global website. 9 Supports signals up to 4K/30p. A signal with different resolution is converted to the projector's resolution. 10 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. Filter cleaning cycle varies depending on the environment. Filter can be washed and reused up to two times (see Operating Manual for details). Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m³), 10,000 hours (under dust conditions of 0.15 mg/m³). 11 PT-LMZ460/LMZ420 (240 V maximum power consumption, AC 100–240 V) compared to PT-LB426 Series (300 W maximum power consumption, AC 100–240 V) in NORMAL Mode. 12 PT-LMZ460/LMZ420 only. 13 Resolution decreases when using Digital Zoom Extender and Image Shift. Some screen correction functions are not available when using this function, and range of corner adjustment is limited. Use of the same projector mount position may not be possible in every situation. 14 When Digital Zoom Extender is set to 80 %.

Specifications

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)	
	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]		4,600 lm[2] / 4,600 lm (ANSI)[3]	4,200 lm[2] / 4,200 lm (ANSI)[3]	4,600 lm[2] / 4,600 lm (ANSI)[3]	4,200 lm[2] / 4,200 lm (ANSI)[3]	4,600 lm[2] / 4,600 lm (ANSI)[3]	4,200 lm[2] / 4,200 lm (ANSI)[3]
Time until light output declines to 50 %[4]		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[2]		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[2]		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[5]		Throw ratio: 1.36–2.05:1[6] (Corresponding value. When used together with optical zoom.)				Throw ratio: 1.47–2.22:1[6] (Corresponding value. When used together with optical zoom.)	
Keystone correction range		Vertical: ±25 ° (Auto, Manual), Horizontal: ±35 ° (Manual)		Vertical: ±35 ° (Auto, Manual), Horizontal: ±35 ° (Manual)			
Terminals	HDMI™ 1/2 IN	HDMI™ 19-pin x 2 (Compatible with HDCP 1.4, Deep Color, 4K/30p[7] signal input), CEC supported[8]					
	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					
	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					
	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[9])					
Protocol versions		IPv4, IPv6[10]					
Power supply		Single-phase AC 100 V–240 V, 50/60 Hz					
Power consumption[11]	Maximum power consumption	240 W		230 W			
	On-mode power consumption (Light Power)	[NORMAL]: 215 W (100–240 V), 205 W (200–240 V) [ECO]: 165 W (100–240 V), 160 W (200–240 V) [QUIET]: 160 W (100–240 V), 155 W (200–240 V)		[NORMAL]: 205 W (100–240 V), 195 W (200–240 V) [ECO]: 155 W (100–240 V), 145 W (200–240 V) [QUIET]: 150 W (100–240 V), 145 W (200–240 V)			
Built-in speaker		10 W monaural					
Filter[12]		Included (Estimated maintenance time: approx. 20,000 hours)					
Operation noise[2]		35 dB (NORMAL/ECO), 24 dB (QUIET)	33 dB (NORMAL/ECO), 23 dB (QUIET)	35 dB (NORMAL/ECO), 24 dB (QUIET)	33 dB (NORMAL/ECO), 23 dB (QUIET)	35 dB (NORMAL/ECO), 24 dB (QUIET)	33 dB (NORMAL/ECO), 23 dB (QUIET)
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)					
Weight with supplied lens[13]		Approx. 4.2 kg (9.26 lbs)					
Operating environment		Operating temperature: 0–45 °C (32–113 °F)[14], Operating humidity: 20–80 % (no condensation)					
Applicable software		Multi Monitoring & Control Software, Projector Network Setup Software, Logo Transfer Software, Presenter Light Software for Windows®[15], Wireless Projector App for iOS/Android™[16]					
Control function via LAN		PJLink™ [Class 2], Crestron Connected™, AMX Device Discovery					

1 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]. 2 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 3 Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 4 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. 5 Resolution decreases when using this function. V/H Keystone Correction and curved-screen correction are not available when using this function, and range of corner adjustment is limited. 6 When Digital Zoom Extender is set to 80 %. 7 4K signals are converted to the projector's resolution upon projection. 8 Depending on the connected CEC command-compatible device, the link control may not operate normally. 9 On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. 10 Main projector firmware must be Ver. 2.00 or later. The optional AJ-WM50 Series Wireless Module does not support IPv6. 11 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). 12 Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times. Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m³), 10,000 hours (under dust conditions of 0.15 mg/m³). 13 Average value. May differ depending on the actual unit. 14 Light output is limited at operating temperatures higher than 30 °C (86 °F), and projectors cannot be operated at altitudes higher than 2,700 m (8,858 ft) above sea level. In the following operating environments, light output may be reduced to protect the projector: when the projector is used at altitudes below 700 m (2,297 ft) and ambient temperature is 36 °C (97 °F) or higher; when the projector is used at altitudes between 700 m (2,297 ft) and 1,400 m (4,593 ft) exclusive and ambient temperature is 34 °C (93 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) exclusive and ambient temperature is 32 °C (90 °F) or higher; and when the projector is used at altitudes between 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher. When optional AJ-WM50 Series Wireless Module is attached, operating temperature range becomes 0–40 °C (32–104 °F). 15 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. 16 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).
- **Projector Mount Bracket** ET-PKL420B
- **Replacement Filter Unit** ET-RFL400

- **ET-FMP50 Series Media Processors** ET-FMP50 / ET-FMP20
  Note: For more information, please visit: https://docs.connect.panasonic.com/projector/products/fmp50/.
- **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).

- **Wireless Presentation System PressIT**
  TY-WPS2 (basic set)
  Note: Visit https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/ for more information.

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All information included here is valid as of July 2025.

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