

World's Smallest and Lightest 8,000 lm¹ Projector Enhances Communication in Brightly Lit Spaces

Note: Among projectors with 8,000 lm or more (PT-VMZ82), 7,200 lm or more (PT-VMZ72), and 6,500 lm or more (PT-VMZ62) as of November 2024, according to Panasonic's research.



White Models



Black Models

• Clear Projection Tailored to Your Space

Delivering up to 8,000 lm¹ from the smallest and lightest body in its class², the VMZ82 Series ensures outstanding clarity, detail, and color vibrancy in bright environments. Proprietary 3,000,000:1³ Dynamic Contrast technology sharply defines light and dark areas, enhancing depth and realism. Daylight View Basic optimizes image quality based on ambient lighting, while Color Adjustment fine-tunes colors to suit your content or environment, making it an ideal choice for brightly lit classrooms, meeting rooms, and beyond.

• Stress-Free Installation Flexibility

Weighing just 7.4 kg (16.3 lbs)⁴, this compact projector integrates seamlessly and unobtrusively into any space, projecting a 100-inch image from just 2.35 m (7.54 ft). Its 1.6x optical zoom (throw ratio: 1.09–1.77:1), V/H lens shift, and Digital Zoom Extender provide exceptional installation flexibility. Features such as Grid Adjustment, Geometric Adjustment, and Angle Monitor⁵ streamline setup.

• Efficient and Eco-Conscious Design

Sustainability is central to the VMZ82 Series. Energy efficiency has improved by 25%⁶ over the current series, and Auto Power On⁷ reduces unnecessary power consumption. The projector's body plastic incorporates 59%⁸ recycled resin, and eco-friendly cardboard insulation replaces foam in packaging. Maintenance is minimal, thanks to a durable laser light source and ECO Filter that last up to 20,000 hours⁹. These features reduce waste, cost, and downtime, combining high brightness with environmentally responsible performance.

PT-VMZ82 Series			
	PT-VMZ82	PT-VMZ72	PT-VMZ62
Light Output	8,000 lm ¹ / 8,000 lm (ANSI) ¹⁰	7,200 lm ¹ / 7,200 lm (ANSI) ¹⁰	6,500 lm ¹ / 6,500 lm (ANSI) ¹⁰
Resolution	WUXGA (1920 x 1200 pixels)		



¹ Measured when [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and notation method comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ² Among projectors with 8,000 lm or more (PT-VMZ82), 7,200 lm or more (PT-VMZ72), and 6,500 lm or more (PT-VMZ62) as of November 2024, according to Panasonic's research. ³ Full On/Full Off when [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1]. The measurement, measuring conditions, and notation method comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ⁴ For the PT-VMZ82. For the weights of other models, please see the specifications overleaf. ⁵ The displayed values are based on the results of angle sensor detection and may differ from the actual projection angle. They are for reference only, and accuracy is not guaranteed. ⁶ PT-VMZ72 (20.9 lm/W) compared to the PT-VMZ71 (16.7 lm/W) in [NORMAL] mode, according to Panasonic research. ⁷ Settings cannot be made when [STANDBY MODE] is set to [ECO] or when [IN STANDBY MODE] is set to [ON] in the [AUDIO SETTINGS] menu. Auto Power On is supported when the input signal is transmitted via HDMI[®] or COMPUTER IN terminals. ⁸ By total weight of plastic parts in the projector main unit. Excludes printed circuit boards, labels, cables, connectors, electronic components, optical components, ESD components, EMI component adhesives, and coatings. ⁹ Around this time, the 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). The estimated time until light output declines to 50% varies depending on the environment. 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). The filter cleaning cycle varies depending on the environment. ¹⁰ Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ¹¹ 4K/30p input signals are converted to the projector's resolution (1920 x 1200 pixels). YPbPr 4:2:0 format only for 4K/30p signals input via DIGITAL LINK. ¹² Requires the AI-WM50 Series Wireless Module (sold separately). Availability may vary by country or region.

Specifications (Tentative)

Model	PT-VMZ82	PT-VMZ72	PT-VMZ62	
Projector type	LCD projectors			
LCD panel	Panel size	16.3 mm (0.64 inch) (16:10 aspect ratio)		
	Display method	Transparent LCD panel (x 3, R/G/B)		
	Pixels	2,304,000 (1920 x 1200) pixels x 3		
Light source	Laser diodes			
Light output ¹	8,000 lm ² / 8,000 lm (ANSI) ³	7,200 lm ² / 7,200 lm (ANSI) ³	6,500 lm ² / 6,500 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)			
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			
Center-to-corner zone ratio ²	85 %			
Lens	1.6x manual zoom (throw ratio: 1.09–1.77:1), manual focus lens, F=1.60–2.12, f=15.30–24.64 mm			
Digital Zoom Extender ⁵	Throw Ratio 1.09–2.21:1 ⁶ (Corresponding value. When used together with optical zoom.)			
Lens shift (From the origin point of the lens mounter)	Vertical	+44 %		
	Horizontal	±20 %		
Keystone correction range	Vertical ±25 %, Horizontal ±35 %			
Terminals	HDMI™ 1/2 IN	HDMI™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p ⁷ signal input), CEC supported ⁸		
	COMPUTER IN	D-sub 15-pin (female) (RGB/Y/PbPr/YCbCr)		
	AUDIO IN	M3 stereo mini-jack x 1		
	AUDIO OUT	M3 stereo mini-jack x 1		
	SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)		
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], HDCP, Deep Color, 4K/30p ⁷ signal input)		
	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 ⁹)		
Protocol versions	IPv4, IPv6 ¹⁰			
Power supply	AC 100–240 V, 50/60 Hz			
Maximum power consumption ¹¹	400 W (4.2 A) (405 VA) (Power consumption is 385 W at 200–240 V)	345 W (3.6 A) (350 VA) (Power consumption is 335 W at 200–240 V)	320 W (3.3 A) (325 VA) (Power consumption is 305 W at 200–240 V)	
On-mode power consumption (Operating mode) ¹¹	NORMAL	365 W (100–240 V), 350 W (200–240 V) (TBD)	310 W (100–240 V), 295 W (200–240 V) (TBD)	280 W (100–240 V), 270 W (200–240 V) (TBD)
	ECO	260 W (100–240 V), 250 W (200–240 V) (TBD)	235 W (100–240 V), 225 W (200–240 V) (TBD)	215 W (100–240 V), 205 W (200–240 V) (TBD)
	QUIET 1	305 W (100–240 V), 295 W (200–240 V) (TBD)	270 W (100–240 V), 260 W (200–240 V) (TBD)	245 W (100–240 V), 235 W (200–240 V) (TBD)
	QUIET 2	255 W (100–240 V), 245 W (200–240 V) (TBD)	230 W (100–240 V), 220 W (200–240 V) (TBD)	210 W (100–240 V), 200 W (200–240 V) (TBD)
Built-in speaker	10 W monaural			
Cabinet materials	Molded plastic			
Filter ¹²	Included (Estimated maintenance time: approx. 20,000 hours)			
Operation noise ²	39 dB (NORMAL/ECO), 34 dB (QUIET 1), 29 dB (QUIET 2) (TBD)	37 dB (NORMAL/ECO), 32 dB (QUIET 1), 27 dB (QUIET 2) (TBD)	35 dB (NORMAL/ECO), 30 dB (QUIET 1), 25 dB (QUIET 2) (TBD)	
Dimensions (W x H x D)	399 mm x 115 mm x 348 mm (15 ^{23/32} x 4 ^{17/32} x 13 ^{11/16}) (not including protruding parts, with feet at shortest position)			
Weight ¹³	Approx. 7.4 kg (16.3 lbs)	Approx. 7.0 kg (15.4 lbs)	Approx. 6.9 kg (15.2 lbs)	
Operating environment	Operating temperature: 0–45 °C (32–113 °F) ^{14,15} , Operating humidity: 20–80 % (no condensation)			
Applicable software	Multi Monitoring & Control Software, Presenter Light Software for Windows ¹⁶ , Wireless Projector App for iOS/Android ¹⁷			

¹ When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. 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]). Estimated time until light output declines to 50 % varies depending on environment. ⁵ Resolution decreases when using Digital Zoom Extender. Grid Adjustment, 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function. The 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 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 the environment. The filter can be washed and reused up to two times. Filter cleaning cycle: 20,000 hours (under dust conditions of 0.05 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. ¹⁵ When the optional AJ-WM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). ¹⁶ 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. ¹⁷ 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 WUXGA (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-PKV400B (sold separately).
- Projector Mount Bracket**
 ET-PKV400B
- Replacement Filter Unit**
 ET-RFV500
- 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.
- 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-WPS1 (basic set)
 Note: visit <https://docs.connect.panasonic.com/prodisplays/pressit/> for more information.



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