

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.

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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, 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 overview. 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) (HDBase™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], HDCP, Deep Color, 4K/30p ⁷ signal input)		
	LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PJLink™ [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 ECO QUIET 1 QUIET 2	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)
		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)
		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)
		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) 399 mm x 133 mm x 348 mm (15 23/32" x 5 1/4" x 13 11/16") (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 Start-up 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 0.08 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. 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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All information included here is valid as of February 2025.

PT-VMZ82_Series_PRE2 Printed in Japan.