

Reduce Shadows, Enhance Flexibility with Eco-Friendly Short-Throw Projection



White Models



Black Models

• Stress-free Installation Adapts to Various Layouts

Designed for golf simulators and digital museums, the VMZ7ST Series can project vibrant 100-inch images from just 1.72 m (5.6 ft), minimizing screen shadows in tight spaces. Powered focus eliminates manual adjustment in hard-to-reach areas, while 1.2x optical zoom, V/H lens shift, and Curved Screen Correction enhance layout flexibility. Angle Monitor¹, data-cloning² via LAN/USB, and 4K DIGITAL LINK³ streamline installation, making the VMZ7ST Series a smart choice for creating engaging experiences in diverse environments.

• Clear Projection in Bright Spaces

The VMZ7ST Series delivers crisp, realistic images with up to 7,000 lm⁴ brightness for vivid projection on screens as large as 300 inches. Its 5,000,000:1⁵ Dynamic Contrast enhances depth and dimensionality, clarifying shadows and sharply defining light and dark areas for more engaging visuals. Daylight View Basic optimizes image quality according to ambient lighting for striking clarity in open, well-lit meeting spaces and classrooms. Additionally, a new Vivid Green Mode enhances green vibrancy, ideal for applications such as golf simulation.

• Eco-Friendly Design

Designed for a sustainable life cycle, the projector body plastic contains about 56 %⁶ recycled resins and is shipped in a carton featuring easily recyclable cardboard insulation. Its high-efficiency laser light source and long-life ECO Filter require no maintenance for 20,000 hours⁷, minimizing downtime, resource consumption, and waste. Image Detection function⁸ saves energy when the projector is not in active use, while a new built-in scheduling feature supports automated operation according to a daily schedule, optimizing resource management.

PT-VMZ7ST		
	PT-VMZ7ST	PT-VMZ6ST
Light Output	7,000 lm ⁴ / 7,000 lm (ANSI) ⁹	6,200 lm ⁴ / 6,200 lm (ANSI) ⁹
Resolution	WUXGA (1920 x 1200 pixels)	



¹ The values displayed in the OSD 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. ² Supported on identical models only. Excludes passwords, projector name/ID, time, date, time zone, and network settings. ³ 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. ⁴ 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. ⁵ Full On/Full Off, when [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1]. Measurement, measuring conditions, and notation method comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. ⁶ 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. ⁷ 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. ⁸ Settings cannot be made when [DYNAMIC CONTRAST] is set to anything other than [OFF], [ECO MANAGEMENT] → [AUTO POWER SAVE] is set to [OFF], [ECO MANAGEMENT] → [LIGHT POWER] is set to anything other than [NORMAL], [TEST PATTERN] is displayed there is no signal. Image Detection function is supported when the input signal is transmitted via HDMI™ or COMPUTER IN terminals. ⁹ When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. ¹⁰ Requires AJ-VM50 Series Wireless Module (sold separately). Availability varies by country or region.

Specifications

Model	PT-VMZ7ST	PT-VMZ6ST	
Projector type	LCD projectors		
LCD panel	Panel size	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	7,000 lm ² / 7,000 lm (ANSI) ³	6,200 lm ² / 6,200 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)		
Contrast ratio ²	5,000,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)		
Screen size (diagonal)	1.77–7.62 m (70–300 in), 16:10 aspect ratio		
Center-to-corner zone ratio ²	85 %		
Lens	1.2x manual zoom (throw ratio: 0.797–1.01:1), powered focus, F 1.53–1.66, f 11.3–14.2 mm		
Digital Zoom Extender ⁵	Throw Ratio 0.797–1.27:1 ⁶ (Corresponding value. When used together with optical zoom.)		
Lens shift (From the origin point of the lens mounter)	Vertical	+50 %	
	Horizontal	±20 %	
Keystone correction range	Vertical ±25 %, Horizontal ±35 %		
Terminals	HDMI ⁷ 1/2 IN	HDMI ⁷ 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 ⁹ compliant), 100Base-TX (Compatible with PLink ¹⁰ [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 ¹⁰ [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	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	310 W (100–240 V), 295 W (200–240 V)	280 W (100–240 V), 270 W (200–240 V)
	ECO	235 W (100–240 V), 225 W (200–240 V)	215 W (100–240 V), 205 W (200–240 V)
	QUIET 1	270 W (100–240 V), 260 W (200–240 V)	245 W (100–240 V), 235 W (200–240 V)
	QUIET 2	230 W (100–240 V), 220 W (200–240 V)	210 W (100–240 V), 200 W (200–240 V)
Built-in speaker	10 W monaural		
Cabinet materials	Molded plastic		
Filter ¹²	Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise ²	37 dB (NORMAL/ECO), 32 dB (QUIET 1), 27 dB (QUIET 2)	35 dB (NORMAL/ECO), 30 dB (QUIET 1), 25 dB (QUIET 2)	
Dimensions (W x H x D)	414 x 120 x 424 mm (16 5/16" x 4 23/32" x 16 11/16") (not including protruding parts) 414 x 167 x 424 mm (16 5/16" x 6 9/16" x 16 11/16") (with feet at shortest position)		
Weight ¹³	Approx. 8.4 kg (18.52 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, Projector Network Setup 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 Correction, 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function. 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 0.08 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
- **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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