

## Specifications

Model	PT-VMZ60	PT-VMZ50	PT-VMZ40	PT-VMW60	PT-VMW50
Projector type	LCD Projectors				
LCD panel	Panel size	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)			
	Display method	Transparent LCD panel (x 3, R/G/B)			
	Drive method	Active matrix method			
	Pixels	2,304,000 (1920 x 1200) x 3, total of 6,912,000 pixels		1,024,000 (1280 x 800) x 3, total of 3,072,000 pixels	
Light source	Laser diodes				
Light output*1	6,000 lm	5,000 lm	4,500 lm	6,000 lm	5,000 lm
Time until light output declines to 50 %*2	20,000 hours (NORMAL)				
Resolution	1920 x 1200 pixels		1280 x 800 pixels		
Contrast*1	3,000,000:1 (all white/all black) (PICTURE MODE: DYNAMIC, DYNAMIC CONTRAST: [1])				
Screen size (diagonal)	0.76–7.62 m (30–300 in), 16:10 aspect ratio				
Center-to-corner uniformity*1	85 %				
Lens	1.6 x Manual zoom (Throw ratio: 1.09–1.77:1)				
	Manual focus lens, F = 1.60–2.12, f = 15.30–24.64 mm				
Lens shift	Vertical (from center of screen)	+44 %, 0 % (Manual)			
	Horizontal (from center of screen)	+20 %, -20 % (Manual)			
Keystone correction range	Vertical: ±25 °, Horizontal: ±35 °			Vertical, Horizontal: ±35 °	
Installation	Horizontal/vertical, free 360-degree installation				
Terminals	HDMI 1/2 IN	HDMI 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p signal input), Audio Signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)			
	COMPUTER 1 IN	D-sub 15-pin (female) x 1 (RGB/YpPr/YcCb)			
	COMPUTER 2 IN/OUT	D-sub 15-pin (female) x 1 (RGB/YpPr/YcCb) (input/output switching)			
	VIDEO IN	Pin jack x 1			
	AUDIO 1/2 IN	M3 stereo mini-jack x 2			
	AUDIO 3 IN	Pin jack (L/R) x 1			
	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 PjLink™ (Class 2)			
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection, HDBase-T™ compliant, 100Base-TX, compatible with PjLink™ (Class 2), HDCP, Deep Color, 4K/30p signal input		—	
USB (VIEWER/WIRELESS/DC OUT)	USB connector (Type A) x 1 for Memory Viewer function, optional Wireless Module AJ-VM50, power supply (DC 5 V, maximum 2 A*3)				
Power supply	AC 100 V–240 V, 50/60 Hz				
Power consumption	TBD	370 W	365 W	TBD	360 W
Built-in speaker	10 W monaural				
Cabinet materials	Molded plastic				
Filter*4	Included [Filter cleaning cycle: 20,000 hours (under dust conditions of 0.08 mg/m <sup>3</sup> ), 10,000 hours (under dust conditions of 0.15 mg/m <sup>3</sup> )]				
Operation noise*1	TBD	NORMAL: 37 dB, QUIET: 27 dB		TBD	NORMAL: 37 dB, QUIET: 27 dB
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*5	Approx. 7.2 kg (15.87 lbs)				
Operating environment	Operating temperature: 0–45 °C (32–113 °F)*6				
	Operating humidity: 20–80 % (No condensation)				
Applicable software	Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows®, Wireless Projector App for iOS/Android™				

\*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. \*2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [2], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m<sup>3</sup> of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. \*3 In standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. \*4 Filter cleaning cycle varies depending on environment. Filter can be washed and reused up to two times. \*5 Average value. May differ depending on the actual unit. \*6 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.

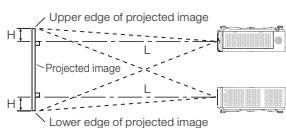
## Projection distance

unit: meters [feet]

### PT-VMZ60 / VMZ50 / VMZ40 / VMW60 / VMW50

[16:10 aspect ratio; throw ratio 1.09–1.77:1, UD ratio 17:1]

Projection image size Diagonal (inch)	Projection distance (L)		Height from the edge of screen to center of lens (H)	
	min. (wide)	max. (tele)		
30"	0.68 [2.23]	1.12 [3.67]	0.022–0.201 [0.072–0.659]	
40"	0.93 [3.05]	1.51 [4.95]	0.030–0.270 [0.098–0.886]	
50"	1.16 [3.81]	1.89 [6.20]	0.037–0.337 [0.121–1.106]	
60"	1.39 [4.56]	2.26 [7.41]	0.045–0.403 [0.148–1.322]	
70"	1.64 [5.38]	2.66 [8.73]	0.052–0.472 [0.171–1.549]	
80"	1.87 [6.14]	3.03 [9.94]	0.060–0.538 [0.197–1.765]	
90"	2.12 [6.96]	3.43 [11.25]	0.067–0.607 [0.220–1.991]	
100"	2.35 [7.71]	3.80 [12.47]	0.075–0.673 [0.246–2.208]	
120"	2.83 [9.28]	4.57 [14.99]	0.090–0.808 [0.295–2.651]	
150"	3.54 [11.61]	5.72 [18.77]	0.112–1.010 [0.367–3.314]	
200"	4.73 [15.52]	7.64 [25.07]	0.150–1.346 [0.492–4.416]	
250"	5.92 [19.42]	9.56 [31.36]	0.187–1.683 [0.614–5.522]	
300"	7.11 [23.33]	11.48 [37.66]	0.224–2.019 [0.735–6.624]	



- The value for L (distance to screen) varies slightly depending on the zoom lens characteristics.
- At the shortest projection distance, the zoom lens characteristics may cause slight image distortion.

## Optional Accessories

- **High-Ceiling Mount Bracket**  
ET-PKL100H
- **Low-Ceiling Mount Bracket**  
ET-PKL100S
- **Attachment for Ceiling Mount Bracket**  
ET-PKV400B
- **Replacement Filter Unit**  
ET-RFV500
- **Wireless Module**  
AJ-VM50  
Note: Product availability may vary on region and country. The suffix at the end of the model number is omitted.
- **DIGITAL LINK Switcher**  
ET-YFB200G  
Note: ET-YFB200G is not compatible with 4K signals. Not available for PT-VMZ40.
- **Digital Interface Box**  
ET-YFB100G  
Note: ET-YFB100G is not compatible with 4K signals. Not available for PT-VMZ40.
- **Early Warning Software**  
ET-SWA100 Series  
Note: Part number suffix may differ depending on the license type. \* Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: <https://panasonic.net/cns/projector/download/application/>

## Terminals



PT-VMZ60/VMZ50/VMW60/VMW50



PT-VMZ40

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