



**Clear and Vivid 7,000 lm Projection from the Lightest and Smallest Body in Class**

## **PT-VMZ5ES**

Deliver clear, striking images in well-lit open meeting spaces and classrooms from the smallest and lightest LCD laser projector in its class. High 7,000 lm brightness, 3,000,000:1 contrast, and vivid color creates an engaging presentation experience.

### **Key Features**

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Compact and lightweight LCD laser projector

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Clear Images That Are Easy to See in Bright Rooms

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Installation Flexibility Adapts Projection to Any Space

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Smooth and Effortless Collaboration



## PT-VMZ5ES

[https://ap.pnd.panasonic.com/hk/en/\\_pt-vmz5es](https://ap.pnd.panasonic.com/hk/en/_pt-vmz5es)

<b>Projector type</b>	LCD projectors
<b>Display method</b>	Transparent LCD panel (x 3, R/G/B)
<b>Display Device -&gt; Panel size</b>	16.3 mm (0.64 in) diagonal (16:10 aspect ratio)
<b>Display Device -&gt; Drive method</b>	Active matrix method
<b>Display Device -&gt; Number of pixels</b>	PT-VMZ71/VMZ61/VMZ51/VMZ51S/VMZ41 : 2,304,000 (1920 x 1200) pixelsPT-VMW61/VMW51 : 1,024,000 (1280 x 800) pixels
<b>Light source</b>	Laser diodes
<b>Light output</b>	PT-VMZ71 : 7,000 lmPT-VMZ61 : 6,200 lmPT-VMZ51 : 5,200 lmPT-VMZ51S : 5,200 lmPT-VMZ41 : 4,500 lmPT-VMW61 : 6,200 lmPT-VMW51 : 5,200 lm
<b>Light output (ANSI)</b>	PT-VMZ71 : 7,000 lmPT-VMZ61 : 6,200 lmPT-VMZ51 : 5,200 lmPT-VMZ51S : 5,200 lmPT-VMZ41 : 4,500 lmPT-VMW61 : 6,200 lmPT-VMW51 : 5,200 lm
<b>Time until light output declines to 50 % -&gt; NORMAL</b>	20,000 hours [NORMAL]
<b>Time until light output declines to 50 % -&gt; ECO</b>	24,000 hours [ECO]
<b>Time until light output declines to 50 % -&gt; QUIET</b>	20,000 hours [QUIET]
<b>Resolution</b>	PT-VMZ71/VMZ61/VMZ51/VMZ51S/VMZ41 : WUXGA (1920 x 1200 pixels)PT-VMW61/VMW51 : WXGA (1280 x 800 pixels)
<b>Contrast Ratio (typ.)</b>	3,000,000:1 (Full On/Full Off)(When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [1].)
<b>Screen size (diagonal)</b>	0.76–7.62 m (30–300 in), 16:10 aspect ratio
<b>Center-to-corner zone ratio</b>	85%
<b>Lens</b>	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
<b>Digital Zoom Extender</b>	Throw Ratio 1.09–2.21:1 (Corresponding value. When used together with optical zoom.)
<b>Lens shift -&gt; Vertical(from center of screen)</b>	+44 %
<b>Lens shift -&gt; Horizontal(from center of screen)</b>	±20 %
<b>Keystone correction range</b>	PT-VMZ71/VMZ61/VMZ51/VMZ51S/VMZ41 : Vertical: ±25 °, Horizontal: ±35 °PT-VMW61/VMW51 : Vertical: ±35 °, Horizontal: ±35 °
<b>Installation</b>	Ceiling/floor, front/rear, free 360-degree installation
<b>Terminals -&gt; HDMI™ IN</b>	HDMI™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/30p*6 signal input), CEC supported*7
<b>Terminals -&gt; COMPUTER IN (D-SUB 15pin)</b>	D-sub 15-pin (female) x 2 (RGB/Y/P <sub>B</sub> /R/YC <sub>B</sub> /C <sub>R</sub> )
<b>Terminals -&gt; AUDIO IN(M3 Stereo Mini Jack)</b>	M3 stereo mini-jack x 2
<b>Terminals -&gt; AUDIO OUT(M3 Stereo Mini Jack)</b>	M3 stereo mini-jack x 1
<b>Terminals -&gt; SERIAL IN</b>	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
<b>Terminals -&gt; DIGITAL LINK IN / LAN</b>	PT-VMZ71/VMZ61/VMZ51/VMW61/VMW51 : RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control)(HDBase™ compliant), 100Base-TX (Compatible with PLink™ [Class 2],HDCP, Deep Color, 4K/30p*6 signal input)
<b>Terminals -&gt; LAN</b>	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ [Class 2]
<b>Terminals -&gt; USB TYPE A</b>	USB connector (Type A) x 1 for Memory Viewer function, optional AJ-WM50 Series Wireless Module,power supply (DC 5 V, maximum 2 A*8)
<b>Protocol versions</b>	IPv4, IPv6
<b>Power supply</b>	AC 100 V–240 V, 50/60 Hz
<b>Maximum power consumption</b>	420 W (4.5–1.9 A) (455 VA)(Power consumption is 410 W at 200–240 V)370 W (3.9–1.7 A) (395 VA)(Power consumption is 360 W at 200–240 V)305 W (3.1–1.3 A) (310 VA)(Power consumption is 295 W at 200–240 V)300 W (3.1–1.3 A) (305 VA)(Power consumption is 290 W at 200–240 V)370 W (3.9–1.7 A) (395 VA)(Power consumption is 360 W at 200–240 V)305 W (3.1–1.3 A) (310 VA)(Power consumption is 295 W at 200–240 V)
<b>On-mode power consumption(Operating mode) -&gt; Normal</b>	PT-VMZ71 : [NORMAL] 390 W (100–120 V), 375 W (200–240 V)PT-VMZ61 : [NORMAL] 335 W (100–120 V), 320 W (200–240 V)PT-VMZ51 : [NORMAL] 270 W (100–120 V), 255 W (200–240 V)PT-VMZ51S/VMZ41 : [NORMAL] 265 W (100–120 V), 255 W (200–240 V)PT-VMW61 : [NORMAL] 325 W (100–120 V), 315 W (200–240 V)PT-VMW51 : [NORMAL] 260 W (100–120 V), 250 W (200–240 V)

<b>On-mode power consumption(Operating mode) Eco</b>	PT-VMZ71 : [ECO] ->275 W (100-120 V), 265 W (200-240 V)PT-VMZ61 : [ECO] 240 W (100-120 V), 230 W (200-240 V)PT-VMZ51 : [ECO] 195 W (100-120 V), 185 W (200-240 V)PT-VMZ51S/VMZ41 : [ECO] 190 W (100-120 V), 180 W (200-240 V)PT-VMW61 : [ECO] 230 W (100-120 V), 220 W (200-240 V)PT-VMW51 : [ECO] 180 W (100-120 V), 175 W (200-240 V)
<b>On-mode power consumption(Operating mode) Quiet</b>	PT-VMZ71 : [QUIET] ->270 W (100-120 V), 260 W (200-240 V)PT-VMZ61 : [QUIET] 235 W (100-120 V), 225 W (200-240 V)PT-VMZ51 : [QUIET] 190 W (100-120 V), 180 W (200-240 V)PT-VMZ51S/VMZ41 : [QUIET] 185 W (100-120 V), 175 W (200-240 V)PT-VMW61 : [QUIET] 225 W (100-120 V), 215 W (200-240 V)PT-VMW51 : [QUIET] 175 W (100-120 V), 170 W (200-240 V)
<b>Built-in speaker</b>	10 W monaural
<b>Cabinet materials</b>	Molded plastic
<b>Filter</b>	Included
<b>Estimated filter maintenance cycle</b>	Approx. 20,000 hours
<b>Operation noise -&gt; Normal</b>	PT-VMZ71 : 38 dB [NORMAL]PT-VMZ61/VMZ51/VMZ51S/VMZ41/VMW61/VMW51 : 36 dB [NORMAL]
<b>Operation noise -&gt; Eco</b>	PT-VMZ71 : 38 dB [ECO]PT-VMZ61/VMZ51/VMZ51S/VMZ41/VMW61/VMW51 : 36 dB [ECO]
<b>Operation noise -&gt; Quiet</b>	PT-VMZ71 : 28 dB [QUIET]PT-VMZ61/VMZ51/VMZ51S/VMZ41/VMW61/VMW51 : 26 dB [QUIET]
<b>Body Colour</b>	Black/White
<b>Dimensions (W x H x D)</b>	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)
<b>Dimensions (W x H x D) -&gt; Width (not including protruding parts)</b>	399 mm (15 23/32")
<b>Dimensions -&gt; Width (including protruding parts)</b>	399 mm (15 23/32")
<b>Dimensions -&gt; Height (not including protruding parts)</b>	115 mm (4 17/32")
<b>Dimensions -&gt; Height (including protruding parts)</b>	133 mm (5 1/4" )
<b>Dimensions -&gt; Depth (not including protruding parts)</b>	348 mm (13 11/16")
<b>Dimensions -&gt; Depth (including lens)</b>	348 mm (13 11/16")
<b>Gross Dimensions (W x H x D in mm)</b>	VMZ5ESU7/VMZ5ESEJ: 567 x 451 x 264 mm VMZ5ES: 555 x 439 x 246 mm
<b>Weight</b>	PT-VMZ71 : Approx. 7.0 kg (15.43 lbs)PT-VMZ61/VMW61 : Approx. 6.9 kg (15.21 lbs)PT-VMZ51/VMZ51S/VMZ41/VMW51 : Approx. 6.5 kg (14.33 lbs)
<b>Gross Weight (Kg)</b>	VMZ5ESU7: 10.1 kg(22.2 lbs) VMZ5ESEJ: 9.8 kg(21.6 lbs) VMZ5ES: 8.9 kg(19.6 lbs)
<b>Operating environment -&gt; Operating temperature</b>	0-45 °C (32-113 °F)
<b>Operating Environment -&gt; Operating humidity (No condensation)</b>	20-80 % (no condensation)
<b>Applicable software</b>	Multi Monitoring & Control Software, Logo Transfer Software, Presenter Light Software for Windows®*15, Wireless Projector App for iOS/Android™*16
<b>NFC</b>	<a href="https://docs.connect.panasonic.com/projector/products/smartycontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smartycontrol/regional.html#regional</a>
<b>EAN</b>	VMZ5ES: 8887549891762 VMZ5ESEJ: 5025232984664