



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

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| <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) pixels<br>PT-VMW61/VMW51 : 1,024,000 (1280 x 800) pixels   |
| <b>Light source</b>   | Laser diodes   |
| <b>Light output</b>   | PT-VMZ71 : 7,000 lm<br>PT-VMZ61 : 6,200 lm<br>PT-VMZ51 : 5,200 lm<br>PT-VMZ51S : 5,200 lm<br>PT-VMZ41 : 4,500 lm<br>PT-VMW61 : 6,200 lm<br>PT-VMW51 : 5,200 lm   |
| <b>Light output (ANSI)</b>                                    | PT-VMZ71 : 7,000 lm<br>PT-VMZ61 : 6,200 lm<br>PT-VMZ51 : 5,200 lm<br>PT-VMZ51S : 5,200 lm<br>PT-VMZ41 : 4,500 lm<br>PT-VMW61 : 6,200 lm<br>PT-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)<br>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 °<br>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 <sub>P</sub> /Y/C <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]<br>390 W (100–120 V),<br>375 W (200–240 V)<br>PT-VMZ61 : [NORMAL]<br>335 W (100–120 V),<br>320 W (200–240 V)<br>PT-VMZ51 : [NORMAL]<br>270 W (100–120 V),<br>255 W (200–240 V)<br>PT-VMZ51S/VMZ41 : [NORMAL]<br>265 W (100–120 V),<br>255 W (200–240 V)<br>PT-VMW61 : [NORMAL]<br>325 W (100–120 V),<br>315 W (200–240 V)<br>PT-VMW51 : [NORMAL]<br>260 W (100–120 V),<br>250 W (200–240 V)    |

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| <b>On-mode power consumption(Operating mode) -&gt; Eco</b>                 | PT-VMZ71 : [ECO]<br>275 W (100-120 V),<br>265 W (200-240 V)PT-VMZ61 : [ECO]<br>240 W (100-120 V),<br>230 W (200-240 V)PT-VMZ51 : [ECO]<br>195 W (100-120 V),<br>185 W (200-240 V)PT-VMZ51S/VMZ41 : [ECO]<br>190 W (100-120 V),<br>180 W (200-240 V)PT-VMW61 : [ECO]<br>230 W (100-120 V),<br>220 W (200-240 V)PT-VMW51 : [ECO]<br>180 W (100-120 V),<br>175 W (200-240 V)             |
| <b>On-mode power consumption(Operating mode) -&gt; Quiet</b>               | PT-VMZ71 : [QUIET]<br>270 W (100-120 V),<br>260 W (200-240 V)PT-VMZ61 : [QUIET]<br>235 W (100-120 V),<br>225 W (200-240 V)PT-VMZ51 : [QUIET]<br>190 W (100-120 V),<br>180 W (200-240 V)PT-VMZ51S/VMZ41 : [QUIET]<br>185 W (100-120 V),<br>175 W (200-240 V)PT-VMW61 : [QUIET]<br>225 W (100-120 V),<br>215 W (200-240 V)PT-VMW51 : [QUIET]<br>175 W (100-120 V),<br>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<br>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)<br>VMZ5ESEJ: 9.8 kg(21.6 lbs)<br>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/smartpjcontrol/regional.html#regional">https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional</a>   |
| <b>EAN</b>   | VMZ5ES: 8887549891762<br>VMZ5ESEJ: 5025232984664  |