

## LCD Projectors

## PT-VMQ85 Series

Note: Product availability may vary by country or region.

Smooth and Detailed  
4K Images from the  
Smallest and Lightest  
LCD Projector in its Class



White Models

Black Models

Note: As of May 2026, based on internal research, the PT-VMQ85 is the smallest and lightest 4K LCD projector with over 8,000 lm, and the PT-VMQ75 is the smallest and lightest in its class with over 7,300 lm. Displayed resolution 4K (3840 x 2400 pixels) with Quad Pixel Drive [ON].

### ■ Main Features

## 01 | Bright, High-Contrast Detail in Any Space

Panasonic's first 4K<sup>1</sup> LCD projector brings clear, high-contrast detail from the smallest and lightest body in its class<sup>2</sup>, making immersive 4K projection more accessible across a wide range of applications. Quad Pixel Drive 2-axis pixel-shifting technology faithfully reproduces high-resolution content, while up to 8,000 lm<sup>3</sup> output maintains bright, richly colored visuals in well-lit rooms. Vivid Green Mode enhances color for sports simulation, while dynamic contrast adds natural depth for a more lifelike viewing experience.

## 02 | Easy to Handle with Flexible Installation

Compact and lightweight, the VMQ85 Series adapts easily to your space, from golf simulation booths to museums, offices, and classrooms. A 1.6x optical zoom, wide lens shift, and an upgraded suite of adjustment tools simplify image alignment, even around ceiling obstructions or when reusing existing mounts. Built-in features like Angle Monitor support quick single-person setup, while 4K DIGITAL LINK<sup>4</sup>, dual HDMI™ inputs, and scheduling function make for smooth integration and day-to-day operation.

## 03 | Energy-Efficient, Eco-Conscious Design

High brightness is paired with efficient operation to reduce running costs. Image Detection<sup>5</sup> and Auto Power On<sup>6</sup> adjust power use to minimize energy waste when idle or between sessions. Laser light source and ECO Filter reduce cost and waste with up to 20,000 hours<sup>7</sup> of maintenance-free operation. These features, together with Panasonic's use of around 59%<sup>8</sup> recycled resins and recyclable packaging, help organizations reduce environmental impact and contribute to a cleaner future.

PT-VMQ85 Series			
	PT-VMQ85	PT-VMQ75	PT-VMQ65
Light Output	8,000 lm <sup>3</sup> / 8,000 lm (ANSI) <sup>9</sup> / 8,400 lm (Center) <sup>10</sup>	7,300 lm <sup>3</sup> / 7,300 lm (ANSI) <sup>9</sup> / 7,600 lm (Center) <sup>10</sup>	6,500 lm <sup>3</sup> / 6,500 lm (ANSI) <sup>9</sup> / 6,800 lm (Center) <sup>10</sup>
Resolution	4K (3840 x 2400 pixels) <sup>1</sup>		



<sup>1</sup> Displayed resolution 4K (3840 x 2400 pixels) with Quad Pixel Drive [ON]. <sup>2</sup> As of May 2026, based on internal research, the PT-VMQ85 is the smallest and lightest 4K LCD projector with over 8,000 lm, and the PT-VMQ75 is the smallest and lightest in its class with over 7,300 lm. <sup>3</sup> Measured when [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF]. Measurement, measuring conditions, and notation method comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. <sup>4</sup> YPbPr 4:2:0 format only for 4K/60p signals input via 4K DIGITAL LINK. <sup>5</sup> Settings cannot be made when [PICTURE] menu -> [DAYLIGHT VIEW] is set to [AUTO], [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], a [TEST PATTERN] is displayed, or there is no signal. Image Detection function is supported when the input signal is transmitted via HDMI™ terminal. <sup>6</sup> Settings cannot be made when [STANDBY MODE] is set to [ECO/NETWORK] 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™ terminal. <sup>7</sup> At around 20,000 hours, 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/m<sup>3</sup> 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/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>). Filter can be washed and reused up to two times. When washing the filter with water, please follow the procedures listed in the operating instructions. <sup>8</sup> By total weight of plastic parts in the projector main unit. Excludes projection lenses, printed circuit boards, labels, cables, connectors, electronic components, optical components, ESD components, EMI component adhesives, and coatings. <sup>9</sup> Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. <sup>10</sup> Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode. <sup>11</sup> Requires the AJ-WM50 Series Wireless Module (sold separately). Availability may vary by country or region.

## Other Features

- Supports AMX® DD, PJLink™, Extron XTP®, Crestron Connected™ V2, Crestron XiO Cloud™, IPV6<sup>1</sup>
- Data Cloning Function via LAN or USB Memory Devices<sup>2</sup>
- Supports Widescreen 21:9 video content
- Lens Block Detection Function
- Quick On/Quick Off Mode and Direct Power Off
- Audible feedback for projector ON/OFF via remote
- Built-in 10 W speaker and Audio Standby Mode
- Free 360° installation
- Startup Logo Function
- Presentation Support System

## Learn More

For more information, please scan the QR code to access the VMQ85 Series product webpage at our global projector website.



<sup>1</sup> Optional AI-VM50 Series Wireless Module is not compatible with IPV6. <sup>2</sup> Data-cloning is supported among models in the same series with the same resolution. Excludes passwords, projector ID, and network settings.

## Specifications

Model	PT-VMQ85	PT-VMQ75	PT-VMQ65
Projector type	LCD projectors		
LCD panel	Panel size	0.64 inch (16:10 aspect ratio)	
	Pixels	2,304,000 (1920 x 1200) pixels	
Light source	Laser diodes		
Light output <sup>1</sup>	8,000 lm <sup>2</sup> / 8,000 lm (ANSI) <sup>3</sup> / 8,400 lm (Center) <sup>4</sup>	7,300 lm <sup>2</sup> / 7,300 lm (ANSI) <sup>3</sup> / 7,600 lm (Center) <sup>4</sup>	6,500 lm <sup>2</sup> / 6,500 lm (ANSI) <sup>3</sup> / 6,800 lm (Center) <sup>4</sup>
Time until light output declines to 50 % <sup>5</sup>	20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)		
Resolution	4K (3840 x 2400 pixels) <sup>6</sup>		
Contrast ratio <sup>7</sup>	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)	0.76–7.62 m (30–300 in), 16:10 aspect ratio		
Center-to-corner zone ratio <sup>2</sup>	85 %		
Lens	1.6x manual zoom (throw ratio: 1.09–1.77:1), manual focus lens, F=1.58–1.91, f=15.30–24.60 mm		
Digital Zoom Extender <sup>7</sup>	Throw ratio 1.09–2.21:1 <sup>8</sup> (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™ x 2 (Compatible with HDCP, Deep Color, 4K/60p signal input), CEC supported <sup>9</sup>	
	HDMI™ OUT	HDMI™ x 1, CEC not supported	
	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/60p <sup>10</sup> 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 AI-VM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A <sup>11</sup> )		
Protocol versions	IPv4, IPv6 <sup>12</sup>		
Power supply	Single-phase AC 100–240 V, 50/60 Hz		
Maximum power consumption <sup>13</sup>	405 W (4.2–1.7 A) (410 VA) (Power consumption is 390 W at 200–240 V)	350 W (3.6–1.5 A) (355 VA) (Power consumption is 335 W at 200–240 V)	325 W (3.4–1.4 A) (330 VA) (Power consumption is 310 W at 200–240 V)
On-mode power consumption (Operating mode) <sup>13, 14</sup>	[NORMAL]	370 W (100–120 V), 355 W (200–240 V)	315 W (100–120 V), 300 W (200–240 V)
	[ECO]	260 W (100–120 V), 250 W (200–240 V)	240 W (100–120 V), 230 W (200–240 V)
	[QUIET 1]	305 W (100–120 V), 295 W (200–240 V)	275 W (100–120 V), 265 W (200–240 V)
	[QUIET 2]	255 W (100–120 V), 245 W (200–240 V)	235 W (100–120 V), 225 W (200–240 V)
Filter <sup>15</sup>	Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise <sup>2</sup>	39 dB (NORMAL/ECO), 34 dB (QUIET 1), 29 dB (QUIET 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)	399 x 115 x 348 mm (15 23/32" x 4 17/32" x 13 11/16") (Excluding protruding parts) 399 x 133 x 348 mm (15 23/32" x 5 1/4" x 13 11/16") (With legs at shortest position)		
Weight <sup>16</sup>	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) <sup>17, 18</sup> , Operating humidity: 20–80 % (No condensation)		
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Wireless Projector App for iOS/Android™ <sup>19</sup>		

<sup>1</sup> When [PICTURE MODE] is set to [DYNAMIC], [LIGHT POWER] is set to [NORMAL], [DAYLIGHT VIEW] is set to [OFF], and [AUTO POWER SAVE] is set to [OFF]. <sup>2</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2020 international standards. Value is average of all products when shipped. <sup>3</sup> Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. <sup>4</sup> Average light-output value of all shipped products measured at the center of screen in NORMAL Mode. <sup>5</sup> 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. <sup>6</sup> Displayed resolution (3840 x 2400 pixels) with Quad Pixel Drive [ON]. <sup>7</sup> Resolution decreases when using Digital Zoom Extender. Grid Adjustment, 6-Point Screen Correction, VPI Keystone Correction, and curved-screen correction are not available when using this function. The range of corner adjustment is limited. <sup>8</sup> When Digital Zoom Extender is set to 80 %. <sup>9</sup> Depending on the connected CEC command compatible device, the link control may not operate normally. <sup>10</sup> YCbCr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. <sup>11</sup> On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. <sup>12</sup> The optional AI-VM50 Series Wireless Module does not support IPv6. <sup>13</sup> Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118:2020 international standards. <sup>14</sup> On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 100 m (2,297 ft). <sup>15</sup> 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/m<sup>3</sup>), 10,000 hours (under dust conditions of 0.15 mg/m<sup>3</sup>). <sup>16</sup> Average value. May differ depending on the actual unit. <sup>17</sup> 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. <sup>18</sup> When the optional AI-VM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). <sup>19</sup> 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 WXGA (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
- **ET-FMP50 Series Media Processors**  
ET-FMP50 / ET-FMP20  
Note: Product availability may vary by country or region. Visit <https://docs.connect.panasonic.com/projector/products/fmp50> for more information.
- **Wireless Module**  
AI-VM50 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: Product availability may vary by country or region. Visit <https://docs.connect.panasonic.com/prodisplays/products/ty-wps/> for more information.

# Panasonic



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PT-VMQ85\_Series\_G1 Printed in Japan.