

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



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 4K¹ LCD projector brings clear, high-contrast detail from the smallest and lightest body in its class², 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 lm³ 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 LINK⁴, 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 Detection⁵ and Auto Power On⁶ 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 hours⁷ of maintenance-free operation. These features, together with Panasonic's use of around 59%⁸ 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 ³ / 8,000 lm (ANSI) ⁹ / 8,400 lm (Center) ¹⁰	7,300 lm ³ / 7,300 lm (ANSI) ⁹ / 7,600 lm (Center) ¹⁰	6,500 lm ³ / 6,500 lm (ANSI) ⁹ / 6,800 lm (Center) ¹⁰
Resolution	4K (3840 x 2400 pixels) ¹		



1 Displayed resolution 4K (3840 x 2400 pixels) with Quad Pixel Drive [ON]. 2 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. 3 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. 4 YPbPr 4:2:0 format only for 4K/60p signals input via 4K DIGITAL LINK. 5 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. 6 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. 7 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/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). 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. 8 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. 9 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 Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode. 11 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™, IPV6¹
- Data Cloning Function via LAN or USB Memory Devices²
- 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.



¹ Optional AJ-WM50 Series Wireless Module is not compatible with IPV6. ² 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 ¹		8,000 lm ² / 8,000 lm (ANSI) ³ / 8,400 lm (Center) ⁴	7,300 lm ² / 7,300 lm (ANSI) ³ / 7,600 lm (Center) ⁴	6,500 lm ² / 6,500 lm (ANSI) ³ / 6,800 lm (Center) ⁴
Time until light output declines to 50 % ⁵		20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)		
Resolution		4K (3840 x 2400 pixels) ⁶		
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)		0.76–7.62 m (30–300 in), 16:10 aspect ratio		
Center-to-corner zone ratio ²		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 ⁷		Throw ratio 1.09–2.21:1 ⁸ (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 ⁹		
	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) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], HDCP, Deep Color, 4K/60p ¹⁰ 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 AJ-WM50 Series Wireless Module, power supply (DC 5 V, maximum 2 A ¹¹)		
Protocol versions		IPv4, IPv6 ¹²		
Power supply		Single-phase AC 100–240 V, 50/60 Hz		
Maximum power consumption ¹³		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) ^{13, 14}	[NORMAL]	370 W (100–120 V), 355 W (200–240 V)	315 W (100–120 V), 300 W (200–240 V)	290 W (100–120 V), 275 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)	220 W (100–120 V), 210 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)	250 W (100–120 V), 240 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)	215 W (100–120 V), 205 W (200–240 V)
Filter ¹⁵		Included (Estimated maintenance time: approx. 20,000 hours)		
Operation noise ²		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 ¹⁶		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) ^{17, 18} , Operating humidity: 20–80 % (No condensation)		
Applicable software		Multi Monitoring & Control Software, Projector Network Setup Software, Wireless Projector App for iOS/Android™ ¹⁹		

¹ 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]. 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 Average light-output value of all shipped products measured at the center of screen in NORMAL Mode. ⁵ 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. ⁶ Displayed resolution (3840 x 2400 pixels) with Quad Pixel Drive [ON]. ⁷ Resolution decreases when using Digital Zoom Extender. Grid Adjustment, 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function. The range of corner adjustment is limited. ⁸ When Digital Zoom Extender is set to 80 %. ⁹ Depending on the connected CEC command compatible device, the link control may not operate normally. ¹⁰ YPbPr 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. ¹¹ On standby, power supply is available with Quick Startup set to ON or Power Management set to Ready. ¹² The optional AJ-WM50 Series Wireless Module does not support IPV6. ¹³ Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. ¹⁴ On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). ¹⁵ 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). ¹⁶ Average value. May differ depending on the actual unit. ¹⁷ 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. ¹⁸ When the optional AJ-WM50 Series Wireless Module is attached, the operating temperature range becomes 0–40 °C (32–104 °F). ¹⁹ 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**
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: Product availability may vary by country or region. Visit <https://docs.connect.panasonic.com/prodisplays/products/ty-wps2/> for more information.

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