Panasonic CONNECT



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

PT-VMQ85

3LCD laser projector with 8,000 lumens brightness and 4K (3840 × 2400) resolution using 2-axis pixel-shifting technology. Equipped with a fixed 1.6x optical zoom lens with manual focus. Operating noise: 39 dB (Normal), 29 dB (Eco). Compact and lightweight at approx. 7.6–7.7 kg with dimensions of approx. 399 × 133 × 348 mm. Color: white or black.

Key Features

- Bright, High-Contrast Detail in Any Space
- Easy to Handle with Flexible Installation
- Energy-Efficient, Eco-Conscious Design

4K DIGITAL LINK | SOLID SHINE LASER | 4K PROFESSIONAL | 360°

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PT-VMQ85

https://ap.pnd.panasonic.com/tw/zh/pt-vmq85

Projector type	LCD projectors
Display Device -> Panel size	0.64 inch (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 (1920 x 1200) pixels
Light source	Laser diodes
Light output *1 *2	8,000 lm
Light output (ANSI) *1 *3	8,000 lm
Light output (Center) *1 *4	8,400 lm
Time until light output declines to 50 % -> NORMAL *5	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *5	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET *5	20,000 hours [QUIET]
Resolution *6	4K (3840 × 2400 pixels)
Contrast Ratio (typ.)	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	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 -> Vertical(from center of screen)	+44 %
Lens shift -> Horizontal(from center of screen)	±20 %
Keystone correction range	Vertical ±25°, Horizontal ±35°
Terminals -> HDMI™ IN	HDMI™ 19-pin x 2 (Compatible with HDCP, Deep Color, 4K/60p signal input), CEC supported*9
Terminals -> HDMI™ OUT	HDMI™ x 1, CEC not supported
Terminals -> AUDIO IN(M3 Stereo Mini Jack)	M3 stereo mini-jack x 1
Terminals -> AUDIO OUT(M3 Stereo Mini Jack)	M3 stereo mini-jack x 1
Terminals -> SERIAL IN	D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
Terminals -> DIGITAL LINK IN / 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)
Terminals -> LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PJLink™ [Class 2]
Terminals -> USB TYPE A	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)
On-mode power consumption(Operating mode) -> Normal *13 *14	370 W (100–120 V), 355 W (200–240 V) [NORMAL]
On-mode power consumption(Operating mode) -> Eco *13 *14	260 W (100–120 V), 250 W (200–240 V) [ECO]
On-mode power consumption(Operating mode) -> Quiet *13 *14	305 W (100–120 V), 295 W (200–240 V) [QUIET1] 255 W (100–120 V), 245 W (200–240 V) [QUIET2]
Filter *15	Included
Operation noise -> Normal	39 dB [NORMAL]
Operation noise -> Eco	39 dB [ECO]
Operation noise -> Quiet	34 dB [QUIET1] 29 dB [QUIET2]
Dimensions (W x H x D)	Approx. 399 × 115 × 348 mm (15 23/32″ x 4 17/32″ x 13 11/16″) (Excluding protruding parts) Approx. 399 × 133 × 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)
Operating environment -> Operating temperature *17 *18	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	20–80 % (no condensation)
Applicable software	Multi Monitoring & Control Software, Projector Network Setup Software, Wireless Projector App for iOS/Android™*19
Estimated filter maintenance cycle	approx. 20,000 hours
Body Colour	VMQ85EJ: WhiteVMQ85BEJ: Black
NFC	No
Active 3D	No
SDM	No
EAN	VMQ85EJ: 5025232991242 VMQ85BEJ: 5025232991341
Display method	Transparent LCD panel (x 3, R/G/B)
Display Device -> Drive method	Active matrix method
Gross Dimensions (W x H x D in mm)	VMQ85EJ/VMQ85BEJ : 546 x 276 x 474 mm
Gross Weight (Kg)	VMQ85EJ/VMQ85BEJ : Approx.11.7 kg(25.8 lbs)

Terminals -> SDI IN	–
Terminals -> DVI-D IN	–
Terminals -> DisplayPort™ IN	–

Footnote Description

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 ScreenCorrection, 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 atan 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).