

Specifications

Main unit

Power supply		AC 100V-240V, 50Hz/60Hz	
Power consumption <sup>1</sup>	Maximum power consumption	305 W (3.1-1.3A) (310VA) (The power consumption is 295 W at 200-240V)	
	On-mode power consumption (Light power)	[Normal]	270 W (100-120 V), 255 W (200-240 V)
		[Eco]	195 W (100-120 V), 185 W (200-240 V)
		[QUIET]	190 W (100-120 V), 180 W (200-240 V)
Standby mode power consumption	[Normal]	15 W When [IN STANDBY MODE] in [AUDIO SETTING] is set to [OFF], [QUICK STARTUP] is set to [OFF], and <DC OUT> terminal is not in use.	
	[Eco]	0.5 W	
BTU value		Max 1,045 BTU	
LCD panel	Size	16.3 mm [0.64 in] diagonal (16:10 aspect ratio)	
	Display system	Transparent LCD panel (x 3, R/G/B)	
	Number of pixels	2,304,000 (1920 x 1200)	
Refresh rate		24-100 Hz Refresh rate varies depending on scanning frequency.	
Light source		Laser Diode	
Light output <sup>1</sup>	Light Power	[Normal]	5,200 lm [PICTURE MODE] is set to [DYNAMIC], [DAYLIGHT VIEW] is set to [OFF], [AUTO POWER SAVE] is set to [OFF]
		[Eco/Quiet]	3,640 lm
Time until light output declines to 50% <sup>2</sup>	Light Power	[Normal/Quiet]	20,000 hours
		[ECO]	24,000 hours
Filter Replacement Cycle		20,000 hours (Under the dust conditions of 0.08mg/m <sup>3</sup> ) 10,000 hours (Under the dust conditions of 0.15mg/m <sup>3</sup> ) Filter can be washed and reused up to two times. Filter cleaning cycle varies depending on environment.	
Resolution		1920 x 1200 pixels (Input signals that exceed this resolution will be converted to 1920 x 1200 pixels.)	
Contrast ratio <sup>1</sup>		3,000,000:1 (All White/All Black) When [PICTURE MODE] is set to [DYNAMIC], [DYNAMIC CONTRAST] is set to [1]	
Screen size		0.76-7.62 m [30-300 in], 16:10 aspect ratio	
Center to corner zone ratio <sup>1</sup>		85%	
Lens		1.6x Manual zoom (Optical) (Throw ratio:1.09-1.77:1) Manual focus lens, F-1.60-2.12, f=15.30-24.64 mm	
Digital Zoom Extender <sup>3</sup>		Throw Ratio 1.09:1 - 2.21:1 <sup>4</sup> (Corresponding value) (When optical zoom is used together.)	
Lens shift (from the origin point of the lens mounter)		Vertical +44%, Horizontal ±20%	
Installation		Ceiling/floor, front/rear, free 360-degree installation	
Maximum usable volume output		10W (monaural)	
Compatible Signal	RGB signal input	Resolution: 640 x 400 to 1920 x 1200 Dot clock frequency: 162 MHz or less PIAS (Panasonic Intelligent Auto Scanning) system	
	YCbCr/YPbPr signal input	Resolution: 480i <sup>5</sup> /576i <sup>5</sup> to 1920 x 1080 Dot clock frequency: 148.5 MHz or less The HD/SYNC and VD terminals do not support 3 value SYNC.	
	HDMI signal input	Moving image signal resolution: 480i <sup>5</sup> /576i <sup>5</sup> to 4096 x 2160 Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace) Dot clock frequency: 25 MHz to 297 MHz	
	DIGITAL LINK signal input	Moving image signal resolution: 480i/576i to 4096 x 2160 Still image signal resolution: 640 x 400 to 1920 x 1200 (non-interlace) Dot clock frequency: 25 MHz to 297 MHz	
Terminals	HDMI 1 IN/ 2 IN		HDMI-19 pin x 2 Deep Color, compatible with HDCP 1.4, 4K/30p signal input <sup>6</sup> , CEC supported <sup>7</sup> Audio Signal: Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)
	COMPUTER 1 IN / 2 IN		D-sub 15pin (female) x 2
	RGB		0.7 V [p-p], 75 ohms (1.0 V [p-p], 75 ohms for sync on G) HD/SYNC, VD: TTL, high impedance, positive/negative automatic
		YPbPr	Y: 1.0 V [p-p], including sync signal, Pb/Pb (Cb/Ca): 0.7 V [p-p], 75 ohms
	AUDIO 1 IN/ 2 IN		M3 stereo mini-jack x 2 0.5 V [rms], input Impedance 22 k Ohms and more
	VARIABLE AUDIO OUT		M3 stereo mini-jack x 1 0 V [rms] to 2.0 V [rms] variable, output Impedance 2.2 k ohms and less
	SERIAL IN		D-sub 9-pin (female) x 1 for computer control (RS-232C compliant)
LAN		RJ-45 x 1 for network control, 10Base-T, 100Base-TX, compatible with PLink™ (Class 2)	

Terminals	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection, HDBase-T™ compliant, 100Base-TX, compatible with PJLink™ (Class 2), HDCP 1.4, Deep Color, 4K/30p signal input <sup>6</sup>
	USB (VIEWER/WIRELESS/DC OUT)	USB connector (Type A) x 1 for Memory Viewer function, optional Wireless Module AJ-WM50, power supply (DC 5 V, maximum 2 A)
Power cord length		India and North/Middle/South America: 3.0 m [9 ft 10 in] Other countries or regions: 2.0 m [6 ft 7 in]
Cabinet materials		Molded plastic
Dimensions (W x H x D) <sup>10</sup>		399 x 133 x 348 mm [15-23/32 x 5-1/4 x 13-11/16 in]
Weight <sup>8</sup>		Approx. 6.5 kg (14.3 lbs)
Operating noise <sup>1</sup>		36 dB (NORMAL/ECO) 26 dB (QUIET)
Laser Classification	Laser Class	Class 1 (IEC/EN 60825-1:2014)
	Risk Group	Risk Group 2 (IEC 62471-5:2015)
Operating environment	Operating environment temperature	0 °C (32 °F) to 45 °C (113 °F) <sup>9</sup> The operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F) when the optional Wireless Module (Model No.: AJ-WM50 Series) is attached.
	Operating environment humidity	20% to 80% (no condensation)

#### Remote control unit

Power supply	3V DC (AAA/R03/LR03 battery x 2)
Operation range	Approx. 30 m [98 ft 5 in] (when operated directly in front of signal receptor)
Dimensions (W x H x D)	48 x 145 x 27 mm [1-7/8 x 5-23/32 x 1-1/16 in]
Weight <sup>8</sup>	Approx. 102 g (3.60 ozs.) including batteries

#### Supplied accessories

- Wireless remote control unit (x 1)
- Power cord (x 2 for Europe and Asia model/ x 1 for other countries)
- Batteries for remote control (R03/AAA type x 2)
- Lens cap (x 1)
- Strap (x 1)

#### Other Applications

- Multi Monitoring and Control Software (for Windows)
- Logo Transfer Software (for Windows)
- Presenter Light Software (for Windows)
- Wireless Projector App (for iOS/Android)

#### Optional accessories

Ceiling Mount Bracket (for high ceilings)	ET-PKL100H
Ceiling Mount Bracket (for low ceilings)	ET-PKL100S
Attachment plate for ceiling mount bracket	ET-PKV400B
DIGITAL LINK switcher	ET-YFB200G
Digital Interface Box	ET-YFB100G
Replacement Filter Unit	ET-RFV500
Wireless Module	AJ-WM50 *The suffix at the end of the model number is omitted. Operating Temperature when attached to the projector: 0-40 °C (32-104 °F).
Early Warning Software	ET-SWA100 series *The symbol at the end of the part number will vary depending on the type of license.

Weights and dimensions shown are approximate. Specifications subject to change without notice.

- 1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped.
- 2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, Dynamic Contrast [2], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m<sup>3</sup> of particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment.
- 3 Resolution decreases when using this function, 6-Point Screen Correction, V/H Keystone Correction, and curved-screen correction are not available when using this function, and range of corner adjustment is limited.
- 4 When optical zoom is used together and Digital Zoom Extender is set to 80%.
- 5 Pixel-Repetition signal (dot clock frequency 27.0 MHz) only.
- 6 A signal with different resolution is converted to the number of display dots.
- 7 Depending on the connected CEC-compatible device, the link control may not operate normally.
- 8 Average value. May differ depending on the actual unit.
- 9 Note that projector cannot be used at altitudes 2,700 m (8,858 ft) or higher above sea level. In the following operating environments, light output may be reduced to protect the projector; when the projector is used at altitudes below 700 m (2,297 ft) and ambient temperature is 36 °C (97 °F) or higher; when the projector is used at altitudes between 700 m (2,297 ft) and 1,400 m (4,593 ft) exclusive and ambient temperature is 34 °C (93 °F) or higher; when the projector is used at altitudes between 1,400 m (4,593 ft) and 2,100 m (6,890 ft) exclusive and ambient temperature is 32 °C (90 °F) or higher; and when the projector is used at altitudes between 2,100 m (6,890 ft) and 2,700 m (8,858 ft) exclusive and ambient temperature is 30 °C (86 °F) or higher.
- 10 With legs at shortest position.