

Specifications

GENERAL	Power requirements	DC 12 V (AC adaptor supplied)	DC 42 - 57 V (PoE+ power supply)	FUNCTIONS AND PERFORMANCE	Gain selection	Auto, 0 dB to 36 dB	
	Current consumption	1.8 A (AC adaptor supplied)	0.6 A (PoE+ power supply)		Frame mix*2	0 dB, 6 dB, 12 dB, 18 dB, 24 dB	
	Ambient operating temperature	0 °C to 40 °C (32 °F to 104 °F)			Electronic shutter speed	59.94p/59.94i:	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
	Storage temperature	-20 °C to 50 °C (-4 °F to 122 °F)				29.97p:	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
	Allowable humidity ranges	20 % to 90 % (no condensation)				23.98p:	1/24, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
	Mass	Approx. 3.1 kg (6.83 lb) [Including mount bracket]				50p/50i:	1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
	Dimensions (W x H x D)	180 mm x 228 mm x 234 mm (7-3/32 inches x 9 inches x 9-3/16 inches) (excluding protrusions, cable cover, direct ceiling mount bracket)			25p:	1/25, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000	
	Finish	AW-HE130WP/AW-HE130WE: Pearl white AW-HE130KP/AW-HE130KE: Metallic black			Synchro scan	59.94 Hz:60.15 Hz to 642.21 Hz 50 Hz:50.15 Hz to 535.71 Hz	
Controller supported*1	AW-RP120, AW-RP50, AK-HRP200		Gamma	HD, SD, FILMLIKE1, FILMLIKE2, FILMLIKE3 0.30 to 0.75 (Manual setting)			
INPUT	Input connector	DC 12 V IN, G/L IN (BNC)		White balance	AWB A, AWB B, ATW, 3200K, 5600K, VAR (2000K to 15000K)		
		• BBS (Black Burst Sync), tri-level sync supported • Locking to a color subcarrier is not possible with BBS. PoE+ (IEEE802.3at standard)		Chroma amount variability	OFF, -99 % to 40 %		
OUTPUT	Video output	HDMI	HDMI connector • HDCP is not supported. • Viera Link is not supported.	Scene file	Scene1, Scene2, Scene3, Scene4		
		HD/SD SDI OUT	SMPTTE424/SMPTTE292/SMPTTE259 standards 75 Ω (BNC×1)	Output format	1080/59.94p,1080/29.97p*3,1080/23.98p, 1080/59.94i,1080/29.97PsF,1080/23.98PsF, 720/59.94p,480/59.94p(i)*4,1080/50p,1080/25p*3, 1080/50i,80/25PsF,720/50p,576/50p(i)*4		
		VIDEO OUT	NTSC/PAL 1.0 V [p-p]/75 Ω (BNC×1)		Synchronization system	Internal/External synchronization (BBS/Tri-level sync)	
		LAN	LAN connector for IP control (RJ-45)	[Pan-tilt head unit]			
INPUT/OUTPUT	Input/Output connector	RS-422	CONTROL IN RS-422A (RJ-45)	Installation method	Stand-alone (Desktop) or suspended (Hanging)*5		
		MIC/LINE input	φ3.5 mm stereo mini jack Input impedance: High impedance • During MIC input Supported mic: Stereo mic (plug-in power ,on/off switching via menu) • Supply voltage: 2.5 V ± 0.5 V Mic input sensitivity: Approx. -40 dBV ± 3 dBV (0 dB=1 V/Pa, 1 kHz) • During LINE input Input level: Approx. -10 dBV ±3 dBV	Camera/pan-tilt head control	IP connecting cable • When connecting through a hub: LAN cable*6 (category 5e or above, straight cable), max. 100 m (328 ft) • When a hub is not used LAN cable*6 (category 5 or above, crossover cable) max.100 m (328 ft)		
FUNCTIONS AND PERFORMANCE	[Camera unit]			Pan-tilt operation speed	0.08°/s to 60°/s		
	Imaging sensors	1/2.86-type Full-HD 3MOS		Panning range	±175°		
	Lens	Motorized 20 zoom, F1.6 to F3.4 (f=4.5 mm to 90 mm; 35 mm equivalent: 32.13 mm to 642.5 mm)		Tilting range*7	-30° to 210°		
	Focus	Switching between auto and manual		Quietness	NC35 or less		
	Focus distance	Entire zooming range: 800 mm (2.62 ft) Wide end: 400 mm (1.31 ft)					
	Color separation optical system	3MOS					
	Minimum illumination	2 lx (50 %, F1.6, 36 dB)					
	Horizontal resolution	1000 TV lines Typ (Center area)					

*1: It may be necessary to upgrade the version of the controller in order to support the unit. For details on upgrading, visit the support page on the following website. <http://pro-av.panasonic.net/> *2: This cannot be configured when the format is 1080/29.97p, 1080/23.98p, 1080/29.97PsF, 1080/23.98PsF, 1080/25p, or 1080/25PsF. *3: Native output *4: A 'P' signal is output as HDMI output, an 'I' signal is output as SDI and an analog output for output formats of 480/59.94p(i) and 576/50p(i). *5: To ensure safety, the unit must be secured using the mount bracket supplied. *6: Use of an STP (shielded twisted pair) cable is recommended. *7: Depending on the pan or tilt position, the camera may be reflected in the image.

Computer requirements

CPU	Intel® Core™ 2 DUO 2.4 GHz or more	
Memory	For Windows:	1 GB or more (2 GB or more for 64-bit editions of Microsoft® Windows® 8.1, Microsoft® Windows® 8, and Microsoft® Windows® 7)
	For Mac:	2 GB or more
Network function	10BASE-T or 100BASE-TX port × 1	
Image display	Resolution: 1024 × 768 pixels or more Color generation: True Color 24-bit or more	
Supported operating systems and web browsers	For Windows:	Microsoft® Windows® 8.1 Pro 64-bit / 32-bit *1 Windows® Internet Explorer® 11.0*1 *3 Microsoft® Windows® 8 Pro 64-bit / 32-bit *1 Windows® Internet Explorer® 10.0*1 *3
	For Windows:	Microsoft® Windows® 7 Professional SP1 64-bit / 32-bit *2 Windows® Internet Explorer® 11.0 / 10.0 / 9.0 / 8.0 *3
For Mac:	OS X 10.9	Safari 7.0.2 OS X 10.8 Safari 6.1.2
	OS X 10.7	Safari 6.1.2
For iPhone, iPad, iPod touch:	iOS 7.1	Standard web browsers
	For Android	Android OS Standard web browsers
Other	CD-ROM drive (for using the Operating Instructions and various software)	
	Adobe® Reader® (for viewing the Operating Instructions on the CD-ROM)	

* 1 Use the desktop version of Internet Explorer. (Internet Explorer for Windows UI is not supported.)

* 2 Windows® XP compatibility mode is not supported.

* 3 The 64-bit version of Internet Explorer® is not supported.

* For the latest information on supported OS/browser, please refer to the "service and support" on the Panasonic website (<http://pro-av.panasonic.net>).

Standard Accessories

- Mount bracket for installation surface (Hanging / Desktop)
- Drop-prevention wire
- Drop-prevention wire mounting screw (comes attached to the unit)
- Bracket mounting screws (bind-head) M4 x 10 mm
- Main unit mounting screw (with flat washer, spring washer) M3 x 6 mm
- Cable cover
- Power cable
- CD-ROM
- AC adaptor

Rear view



Bottom view

