Panasonic
BUSINESS

AW-UE70W [White Model]
AW-UE70K [Black Model]

4K Integrated Camera

For indoor use

Capture and deliver the moment with 4K over IP

4K PROFESSIONAL

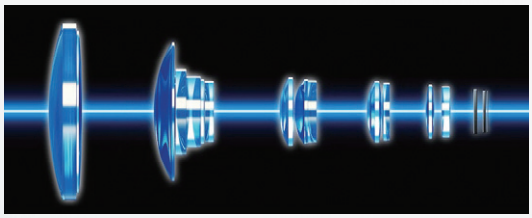
4K image quality gives greater depth to the video, and IP video output flexibly delivers content

The compact AW-UE70W/K integrated pan-tilt remote camera can output 4K video via HDMI, USB and IP transmission. By introducing technological capabilities developed in our 4K cameras for movie production and TV station use, we created the AW-UE70W/K as a 4K integrated camera that can be effectively used in a variety of environments. It achieves 4K shooting in situations where higher image quality is necessary, such as lecture recordings and conference, wedding and funeral hall content production.

4K PROFESSIONAL

4K 1 A four-drive lens system for high-image-quality zooming in 4K shooting

With the four-drive lens system, three zoom lenses and one focus lens are driven independently and simultaneously. Since the four groups of lenses can be driven separately, we were able to efficiently minimize the size and drive range of each lens and thereby achieve a smaller body and a zoom mechanism with high magnification and high image quality. Despite its compact size, the AW-UE70W/K has a high-resolution 20x optical zoom and a high-performance iA 22x zoom (4K mode).



* Images are simulated.

4K 2 Four types of output connectors. 4K output via HDMI, USB and LAN.

On the back of the unit, there are four types of output connectors which are HDMI, SDI, USB and LAN. 4K video output can be done not only via HDMI, but also via USB and LAN. This makes it possible to build a flexible system matching the specific objectives and environment.

Output format list:

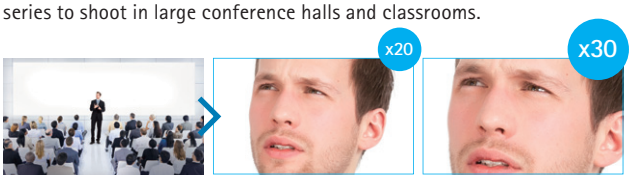
HDMI	2160/29.97p,2160/25p,1080/59.94p,1080/50p,1080/59.94i,1080/50i,1080/29.97PsF,1080/25PsF,1080/29.97p,1080/25p,720/59.94p,720/50p
SDI	1080/59.94p,1080/50p,1080/59.94i,1080/50i,1080/29.97PsF,1080/25PsF,1080/29.97p,1080/25p,720/59.94p,720/50p
USB	2160/5p,1080/30p,1080/25p,1080/15p,1080/12.5p,1080/5p,720/30p,720/25p,720/15p,720/12.5p,720/5p,360/30p,360/25p,360/15p,360/12.5p,360/5p
LAN	For details, please see "List of Supported Multi-Streaming Outputs" on P4.

1/2.3-type MOS Sensor

Equipped with a 1/2.3-type MOS sensor and DSP (Digital Signal Processor) for high sensitivity and high resolution.

High Performance Optical 20x Zoom Lens/ Super Resolution 30x Zoom

In addition to a 20x optical zoom, the AW-UE70W/K series can zoom up to 30x (22x when in 4K mode) while maintaining high resolution thanks to Super Resolution technology. It also features a 12x digital zoom*1 and a 1.4x, 2.0x, 4.0x, 6.0x, and 8.0x digital extender zoom which can be used for 4K focus assist. These capabilities enable the AW-UE70W/K series to shoot in large conference halls and classrooms.

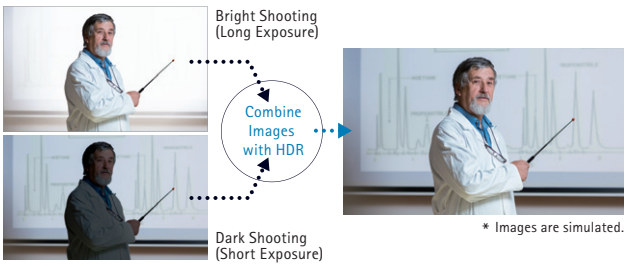


Wide side (29.5 mm) Telephoto side (612.0 mm) Super Resolution (i Zoom)

* Images are simulated.

Equipped with High Dynamic Range (HDR) Mode*2

In addition to conventional Dynamic Range Stretch (DRS) and Digital Noise Reduction (DNR), the AW-UE70W/K is equipped with High Dynamic Range (HDR) mode. When shooting and synthesizing two images with differing exposure times, the AW-UE70W/K can create video with high visibility that corrects for halation and black defects even under backlit conditions.



* Images are simulated.

Optical (FHD, 4K)/4-axis Hybrid Image Stabilizer (FHD) for Stable Shooting

Image shake is reduced with both optical and digital 4-axis automatic stabilization that detects mounting surface vibration caused by audio equipment and opening/closing doors.

Outputs Still Image During Preset Movements; Supports One-Camera Operations

The Freeze During Preset function enableds to freeze the video during preset playback. The immediately preceding still image is output during preset movements so that the swiveling movement is not displayed, making operations possible with one camera.

With Freeze During Preset function OFF and ON

Night Mode (supports automatic switching)

Switching to Night Mode makes shooting possible even in low light conditions in which shooting is normally difficult, such as when observing wildlife*3. The AW-UE70W/K can also be set to switch to the mode automatically depending on surrounding light levels.

* Images are simulated.

Optical ND Filter

There is an optical ND filter for adjusting to optimum brightness under a variety of light intensities.

Audio Input Function

The AW-UE70W/K also supports audio input, embedding and encoding. Audio output to IP is also supported. The ALC (Audio Automatic Level Control) in the AW-UE70W/K can be switched ON/OFF and an equalizer function can be used. By reducing low-frequency sound from air conditioners, projectors, and other devices, it is possible to emphasize and increase the clarity of the spoken words.

Both SDI and HDMI are Supported, and There is Also an External Synchronization Signal*4 Input Connector

For SDI/HDMI output, 2160/29.97p (HDMI only), 2160/25p (HDMI only), 1080/59.94p, 29.97p, 59.94i, 29.97PsF, 1080/50p, 25p, 50i, 25PsF, 720/59.94p, and 50p image formats are supported. In addition, there is an external synchronization signal input connector, and BBS (Black Burst Sync) and tri-level synchronization are supported.

Video/Audio Output with USB

USB Video Class 1.0 and USB Audio Class 1.0 are supported. This enables video and audio output via USB so the cameras can be used as high-image-quality Web cameras for Web conferencing, distance learning, and other applications utilizing communication software.

MicroSD Card Recording Function*5

Camera video and audio can be recorded in MP4 format on microSD card (sold separately) inserted into the unit. In addition, using an IP network, it is possible to externally control recording start/stop and download the recorded files.

micro SD (recording) formats supported:

2160/29.97p,2160/25p,1080/59.94p,1080/50p,1080/29.97p, 1080/25p,720/59.94p,720/50p,720/29.97p,720/25p

*1: Picture quality is lower with the digital zoom.
*2: Cannot be used when in 4K mode.
*3: Video output is monochrome.
*4: External synchronization synchronizes with SDI video signals. It does not synchronize with HDMI video signals or IP video signals.
*5: There may be instances where it is not possible to record in the same format as the output video.

Full HD Video Output Via IP Transmission*1

In addition to HDMI, SDI and USB output, production quality 4K/full HD video output via IP transmission is supported. For 4K video output via IP transmission, there can be one channel of IP video output of up to 30 frames/second. At full HD image quality, IP video output up to 60 frames/second is possible. One camera delivers up to four channels*1 of IP streaming video (H.264), and simultaneous transmission to as many as 14 devices is supported*2, so that flexible system setup is possible to meet various application needs.

List of Supported Multi-Streaming Outputs
(When priority mode "IP" or "IP (4K)" is selected)

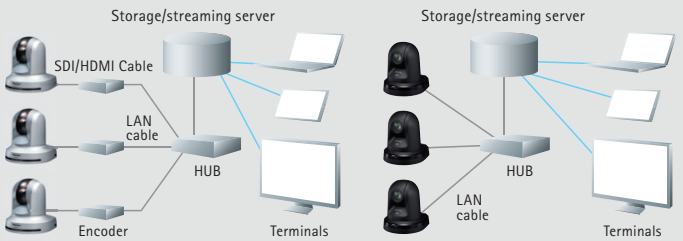
Settings			H.264				JPEG		
			CH1	CH2*3	CH3*3	CH4*4	CH1	CH2	CH3
Resolution	IP selected		1920×1080 1280×720*3 640×360*5	1280×720 640×360 320×180			1920×1080*4 1280×720*3 640×360 320×180*3		
	IP (4K) selected		3840×2160	–			640×360 320×180	–	
Frame rate	IP selected	59.94 Hz	60/30/15/5 fps	30/15/5 fps			30/15/5 fps		
		50 Hz	50/25/12.5/5 fps	25/12.5/5 fps			25/12.5/5 fps		
	IP (4K) selected	59.94 Hz	30/15/5 fps	–			15/5 fps	–	
		50 Hz	25/12.5/5 fps	–			12.5/5 fps	–	
Bit rate			Up to 50 Mbps at 4K or up to 24 Mbps otherwise						
Voice transmission			Yes (AAC48 KHz)						
PoE+			Yes						

* Depending on the output mode, certain restrictions apply.

Transmit IP Video Without a Separate Encoder Reduces Cost and Simplifies Installation*1

There is no need for the separate encoder normally required when streaming video and audio via IP. Systems can be built with exceptional cost/performance benefits.

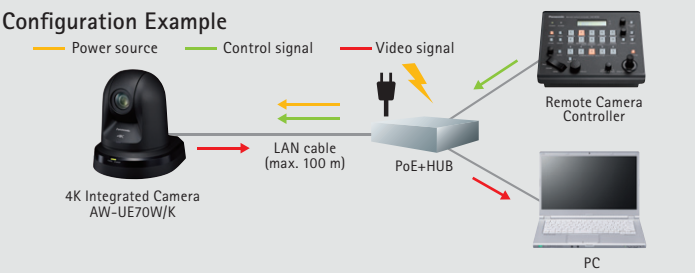
Lecture Capture/Streaming System Example



Supporting PoE+*6 for Lower Installation Costs

By connecting network devices that support the IEEE802.3at PoE+ standard, power can be supplied via LAN cable. Since it is not necessary to install a power supply or even a local AC outlet, installation costs can be significantly reduced.

Configuration Example



IP Control with Image Monitoring Using PC, Mac and Mobile Terminals

Using an IP browser, the camera can be controlled from a remote location, and IP video monitoring and remote camera control can be performed from a PC, Mac or mobile terminal such as an iPhone, iPad or Android device, enabling easy operations.

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

Camera Control Screen (PC)

Live Screen

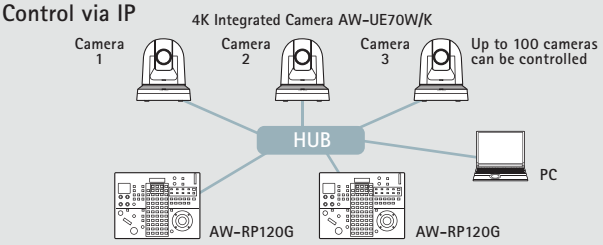
Mobile Terminal Screen

* Images are simulated.

Flexible IP Control Architecture Simplifies System Design and Operation*7

Up to 100 x AW-UE70W/K cameras can be controlled via IP from a single AW-RP120G/RP50 or PC. An AW-UE70W/K can also be simultaneously controlled by up to five AW-RP120G/RP50's via IP.

Control via IP

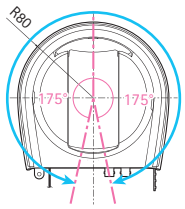


*1: 1920 x 1080 60 fps output is 1ch display only. For 2ch or more, display is max. 30 fps. Also, JPEG output is up to 3ch. *2: Depends on your network environment.
*3: Settable when HDR is "Off". *4: Settable when HDR is set to "Off" and the frame rate is other than 60fps (or 50fps). *5: Not settable when HDR is "Off". *6: Abbreviation of Power over Ethernet Plus.
*7: Controller upgrade required. For details, please refer to the "service and support" section on the Panasonic website (http://pro-av.panasonic.net).

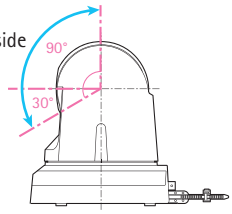
Exceptional Pan-tilt Performance for Smooth Shooting Over a Wide Area*1

The pan range of ±175° and the tilt range of -30° to +90° cover a wide shooting area*1. Pan and tilt operate at a maximum speed of 90°/second and respond quickly to remote control operation. They operate quietly at a sound level of NC35 or lower.

As seen from above



As seen from the side



*1: Depending on the position of the pan and tilt, the unit itself may be reflected in the image.

Other Functions

- Preset memory up to 100 positions.
- Functions such as freeze during preset, digital extender zoom and color temperature settings can be assigned to the user buttons on Panasonic controllers.
- Equipped with RS422 remote terminal; up to five units can be controlled via serial control from a controller.
- Equipped with RS232C remote terminal (standard serial communication support). Up to seven units can be controlled via daisy chain connection.
- Up to four units can be operated with a wireless remote controller (AW-RM50G sold separately).
- Easy installation thanks to use of turn-lock mechanism.

Easy Wireless Control Using an iPad*2 with a Control Assist Camera*3

Control Assist Camera
AW-HEA10W

Control Assist Camera
AW-HEA10K

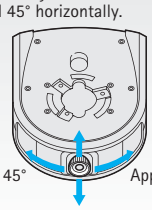
- Used in combination with an 4K/HD Integrated Camera*3.
- 95° wide-angle view from the Control Assist Camera is displayed on an iPad.
- Tapping the desired area of the wide-angle view displayed on the iPad*2 turns the field of view of the 4K/HD Integrated Camera*3 to the tapped position.
- 4K/HD Integrated Camera*3 pan, tilt, and zoom can be easily controlled from an iPad.
- Up to nine preset positions can be registered.

*2: An iPad (sold separately) and a wireless AP (sold separately) are required. Please install the iPad application "PTZ Cntrl" (free). For details, please visit Panasonic AW-HEA10W/K website (http://pro-av.panasonic.net/en/sales_o/camera/aw-hea10/).

*3: AW-UE70W/K, AW-HE130W/K, AW-HE40 series, and AW-HE60 series only. When used with the AW-HE60 series, in some cases an AW-HE60 series software upgrade will be necessary.

■ Range of lens movement

This is adjustable 30° vertically and 45° horizontally.



■ Usage example

*Images are simulated.

Using the iPad application "PTZ Cntrl" on an iPad, it is possible to control pan, tilt, zoom, focus, iris and gain. For details, please visit the Panasonic AW-HEA10W/K product site (http://pro-av.panasonic.net/en/sales_o/camera/aw-hea10/). The iPad application "PTZ Cntrl" can be downloaded for free from the App Store.

System Camera Options

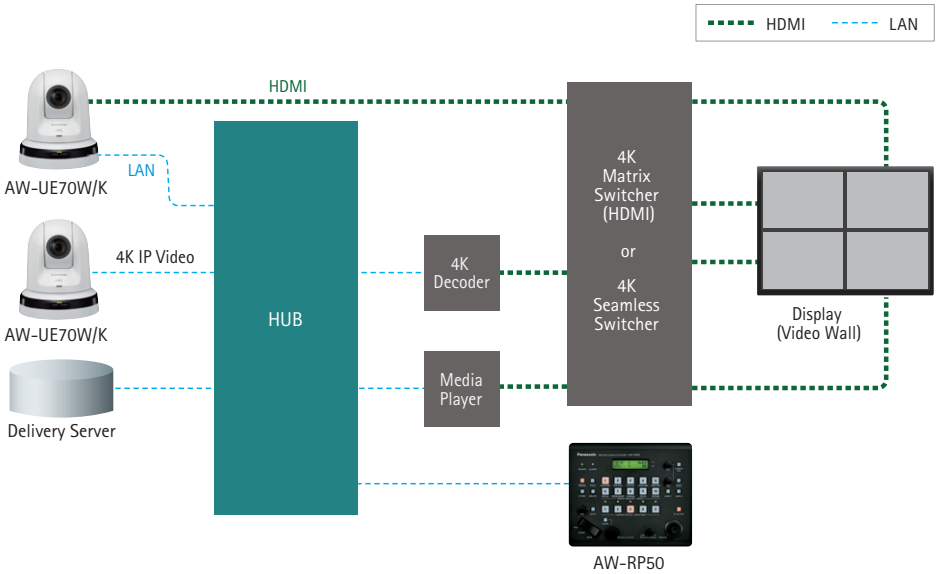
As of September, 2015

Control Assist Camera AW-HEA10W		Control Assist Camera AW-HEA10K
Remote Camera Controller AW-RP50	Remote Camera Controller AW-RP120G (AC adaptor (DC12 V) is required separately.)	Remote Operation Panel AK-HRP200G (AC adaptor (DC12 V) is required separately.)
Wireless Remote Control AW-RM50G ("AA", "R6" or "LR6" battery x 2 are not included.)	Compact Live Switcher AW-HS50	Direct Ceiling Mount Blacket WV-Q105A

Application 01: Signage

Signage that expresses the mood of the location by 4K video

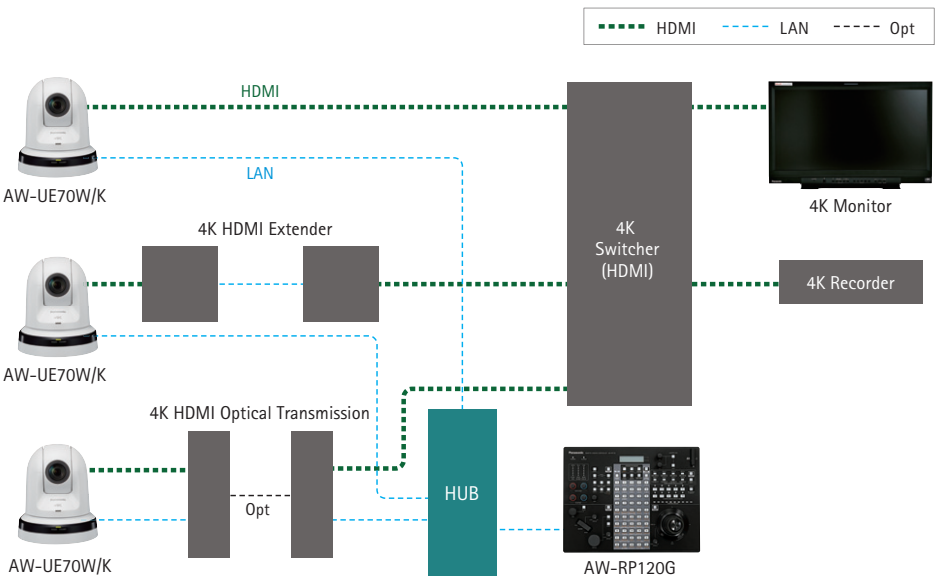
Place AW-UE70W/K cameras in a large commercial facility or event venue to record the live footage. You can then show 4K video on a large video wall. By splitting the screen display, you can show video from a variety of spots.



Application 02: Video Production

Production of 4K video using compact remote cameras

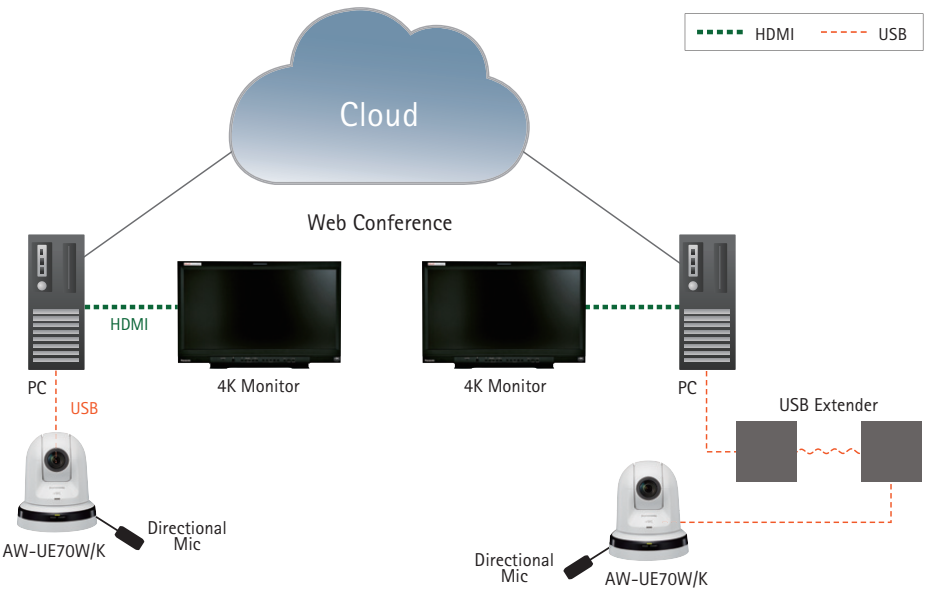
Efficiently add AW-UE70W/K cameras to a 4K switcher of an existing studio. This allows you to build a compact 4K program production system capable of handling professional uses while achieving good cost performance.



Application 03: Web Conferencing

Web conferences with high-definition views from the venue as a whole to individual speakers

Set up AW-UE70W/K cameras to achieve high-resolution zooming in 4K/HD at web conferences. Catch the big picture with high-definition video that shows all the details including the expressions of individual speakers by high-resolution zooming. That way, you can shoot conference video that gives a feel of almost like being there.



Specifications

As of September, 2015

GENERAL	Power requirements		DC 12 V (Supplied AC adaptor) DC 42 V to 57 V (PoE+ power supply)
	Current consumption		1.3 A (Supplied AC adaptor) 0.5 A (PoE+ power supply)
	Ambient operating temperature		0 °C to 40 °C (32 °F to 104 °F)
	Storage temperature		–20 °C to 50 °C (–4 °F to 122 °F)
	Allowable humidity ranges		20 % to 90 % (no condensation)
	Mass		Approx. 1.5 kg (3.30 lb)
	Dimensions (W x H x D)		160 mm x 186 mm x 179 mm (6-5/16 inches x 7-41/128 inches x 7-3/64 inches) [excluding protrusions, direct ceiling mount bracket]
	Finish		[AW-UE70W] Pearl white [AW-UE70K] Metallic black
	Controller supported*1		AW-RP50, AW-RP120G, AK-HRP200G
INPUT	Power		DC 12 V IN, PoE+ (IEEE802.3at standard)
	Mic/line input		Stereo mini-jack (ø3.5 mm) Input impedance: Approx. 2 kΩ (unbalanced) [Mic input] Supported microphones: Stereo mic (plug-in power, on/off switching via menu) Supplied voltage: 2.5 V ± 0.5 V Mic input level: –60 dBV ± 3 dBV (0 dB=1 V/Pa,1 kHz) [Line input] Input level: -10 dBV ± 3 dBV
G/L IN			Compatible with BBS (Black Burst Sync) signals and ternary synchronizing signals (BNC x 1)
OUTPUT	Video output	HDMI	HDMI connector * HDCP is not supported. * VIERA Link is not supported.
		3G/HD SDI OUT	Compliant with the SMPTE424/SMPTE292M standards/75 Ω(BNC x 1)
INPUT/ OUTPUT	Input/ Output connector	LAN	LAN connector for IP control (RJ-45) Equipped with straight/crossover cable auto detection function
		RS-232C	Mini DIN 8-pin (IN) Mini DIN 8-pin (OUT)
		RS-422	CONTROL IN RS422A (RJ-45)
		USB	Mini-B port
		SD card	microSD card slot
FUNCTIONS AND PERFORMANCE	**[Camera unit]**		
	Imaging sensors		1/2.3-type MOS
	Lens		Motorized 20x zoom, F1.8 to F3.6 [f=4.08 mm (5/32 inches) to 81.6 mm (3-7/32 inches); 35 mm (1-3/8 inches) equivalent: 29.5 mm (1-5/32 inches) to 612.0 mm (24-3/32 inches)]
	Focus		Switching between auto and manual
	Focus distance		Entire zooming range:1.5 m (4.92 ft) Wide end: 10 cm (0.33 ft)
	Color separation optical system		On-chip color filter system
	Minimum illumination	59.94 Hz	0.7 lx (50 IRE, F1.8, 48 dB,1/60 without accumulation) 0.35 lx (50 IRE, F1.8, 48 dB,1/30 with accumulation[Frame Mix 6 dB])
		50 Hz	0.7 lx (50 IRE, F1.8, 48 dB,1/50 without accumulation) 0.35 lx (50 IRE, F1.8, 48 dB,1/25 with accumulation[Frame Mix 6 dB])
	Horizontal resolution		4K: 1300 TV lines Typ (Center area) HD: 1000 TV lines Typ (Center area)
	Gain selection*2		Auto, 0 dB to 48 dB (3 dB step)
	Frame mix*3		Auto, Off, 6 dB, 12 dB, 18 dB, 24 dB
	ND filter		Auto*4, Through, 1/4, 4/16, 1/64
	Electronic shutter speed	During Full Auto	1/60 to 1/2000 (Auto Slow Shutter: Off)[59.94 Hz] 1/30 to 1/2000 (Auto Slow Shutter: On)[59.94 Hz] 1/50 to 1/2000 (Auto Slow Shutter: Off)[50 Hz] 1/25 to 1/2000 (Auto Slow Shutter: On)[50 Hz]
		During Auto	1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50 Hz]
		During Manual	1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 [59.94 Hz] 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 [50 Hz]
	Synchro scan		59.94 Hz : 59.94 Hz to 660.09 Hz (255 step) 50 Hz : 50.00 Hz to 570.12 Hz (255 step)
	Gamma		Off, Normal (Low, Mid, High), Cinema
	White balance		ATW, AWB A, AWB B, ATW, 3200K,5600K, VAR (2400K to 9900K)
	Chroma amount variability		±3 step
	Scene file		Full Auto, Manual1, Manual2, Manual3
FUNCTIONS AND PERFORMANCE	Output format	HD	2160:29.97p/25p (HDMI only) 1080:59.94p/50p 1080:59.94i/50i 1080:29.97p/25p 1080:29.97PsF/25PsF 720:59.94p/50p
	Synchronization system		Internal synchronization/External synchronization (BBS, Tri-level sync)
	Image stabilization		Optical (FHD, 4K)/4-axis hybrid image stabilizer (FHD) for stable
	[USB connection]		* This may vary depending on the operating environment.
	Video output		USB Video Class Ver1.0
	Video compression format		Motion JPEG
	Resolution		1920 x 1080, 1280 x 720, 640 x 360
	Frame rate		max 30 fps (59.94 Hz) max 25 fps (50 Hz)
	Audio output		USB Audio Class Ver1.0
	Audio compression format		Linear PCM, 48 kHz, 16-bit, 2 channels
	Transfer modes(JPEG)		3840x2160 59.94 Hz: 5fps, 50 Hz: 5fps 1920x1080/1280x720/640x360 59.94 Hz: 30fps/15fps/5fps, 50 Hz: 25fps/12.5fps/5fps
	Supported models		Devices standardly equipped with a USB 2.0 compatible port
	[Pan-tilt head unit]		
	Installation method		Stand-alone (Desktop) or suspended (Hanging)*5
	Pan/tilt operation speed		Maximum speed during preset: 300°/s Maximum speed during manual: 90°/s
	Panning range		±175°
	Tilting range		–30° to 90°*6
	Quietness		During preset: NC40 or less During manual: NC35 or less
	[Camera/pan-tilt head control]		
	IP connecting cable		When connecting through a hub: LAN cable*7 (category 5 or above),max. 100 m (328 ft) When using a PoE+ hub: LAN cable*7 (category 5e or above),max. 100 m (328 ft) When a hub is not used: LAN cable*7 (category 5 or above),max. 100 m (328 ft)
	AW protocol connecting cable		LAN cable*7 (category 5 or above,straight cable), max. 1000 m (3280 ft)
	Standard protocol connecting cable		Mini DIN 8-pin cable, male
	[SD card recording]		
	SD card recording		MPEG-4 AVC file standard compliant (.MP4)
	Video compression format		MPEG-4 AVC/H.264 High Profile
	Audio compression format		AAC-LC (48 kHz, 16 bit, 2 ch, 128 kbps)
	Recording format /Bit rate	59.94 Hz	3840x2160/29.97p (Up to 72 Mbps), 1920x1080/59.94p (Up to 28 Mbps), 1920x1080/29.97p (Average 15 Mbps/Average 10 Mbps/Average 6 Mbps), 1280x720/59.94p (Average 15 Mbps), 1280x720/29.97p (Average 8 Mbps/Average 4 Mbps/Average 2 Mbps)
		50 Hz	3840x2160/25p(Up to 72 Mbps), 1920x1080/50p(Up to 28 Mbps), 1920x1080/25p(Average 15 Mbps/Average 10 Mbps/Average 6 Mbps), 1280x720/50p(Average 15 Mbps), 1280x720/25p(Average 8 Mbps/Average 4 Mbps/Average 2 Mbps)
	[Network]		
	Transfer modes	JPEG	1920x1080, 1280x720, 640x360, 320x180, 59.94 Hz (30fps/15fps/5fps)*8, 50 Hz (25fps/12.5fps/5fps)*8
		H.264	3840x2160, 1920x1080, 1280x720, 640x360, 320x180, 59.94 Hz (60fps*9/30fps/15fps/5fps)*8, 50 Hz (50fps*9/25fps/12.5fps/5fps)*8
	Supported protocol	IPv4	TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCP, DNS, NTP, IGMP, UPnP, ICMP, ARP, RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCast
		IPv6	TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, NTP, ICMPv6(MLD), RTSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCast
	i-OS, Android support		JPEG image display
ACCESSORIES	Mount bracket for installation surface (Hanging*10 / Desktop): 1 Drop-prevention wire (already attached to the unit): 1 Bracket mounting screws (bind-head) M4 x 10 mm: 4 Main unit mounting screw (with flat washer, spring washer) M3 x 6 mm: 1 Power cable (1.5 m [4.92 ft]): 1 AC adaptor: 1 CD-ROM: 1		

*1: It may be necessary to upgrade the version of the controller so that the controller will support the unit. *2: During Auto, 6 dB to 48 dB (6 dB step) are available for AGC Max Gain setting.
*3: During Auto, 0 dB, 6 dB, 12 dB and 18 dB are available for Auto F.Mix Max Gain setting. *4: "Auto" is available when "Scene" setting is "Full Auto".
*5: To ensure safety, the unit must be secured using the mount bracket supplied. *6: Depending on the pan or tilt position, the camera may be reflected in the image.
*7: Use of an STP (shielded twisted pair) cable is recommended. *8: The frame rate may be lower than the setting depending on the operating conditions.
*9: When the image resolution is "3840x2160", "640x360" or"320x180", 60fps or 50fps cannot be selected for the frame rate. *10: To ensure more safety, AW-UE70W/K can be secured by using the direct ceiling mount bracket (WV-Q105A).

Required personal computer environment

As of September, 2015

CPU		When using 1080/60p [59.94 Hz] and 1080/50p [50 Hz] Intel® CoreTM i7 3.4 GHz or higher recommended Other than above Intel® CoreTM2 Duo 2.4 GHz or higher recommended
Memory	For Windows	1 GB or higher (2 GB or higher for Microsoft® Windows® 8.1, Microsoft® Windows® 8, Microsoft® Windows® 7 64-bit edition)
	For Mac	2 GB or more
Network function		10BASE-T or 100BASE-TX port x 1
Image display function		Resolution: 1024 x 768 pixels or more Color generation: True Color 24-bit or more
Supported operating system and web browser	Windows	Microsoft® Windows® 8.1 Pro 64-bit/32-bit*11 Windows® Internet Explorer® 11.0 Microsoft® Windows® 8 Pro 64-bit/32-bit*11 Windows® Internet Explorer® 10.0*11 Microsoft® Windows® 7 Professional SP1 64-bit/32-bit*12 Windows® Internet Explorer® 8.0 / 9.0 / 10.0 / 11.0*13
	Mac	OS X 10.8 Safari 6.2 / OS X 10.9 Safari 7.1 / OS X 10.10 Safari 8.0
	iPhone / iPad / iPod touch	iOS 8.3 Standard browser
	Android	Android OS 4.4 Standard browser
Other		CD-ROM drive (for using the Operating Instructions and various software) Adobe® Reader® (for viewing the Operating Instructions on the CD-ROM)

*11: Use the desktop version of Internet Explorer. (Internet Explorer for Windows UI is not supported.) *12: Windows® XP compatibility mode is not supported.
*13: The 64-bit version of Internet Explorer® is not supported.

For the latest information on supported OS/brower, please refer to the "service and support" on the Panasonic website (http://pro-av.panasonic/en/).

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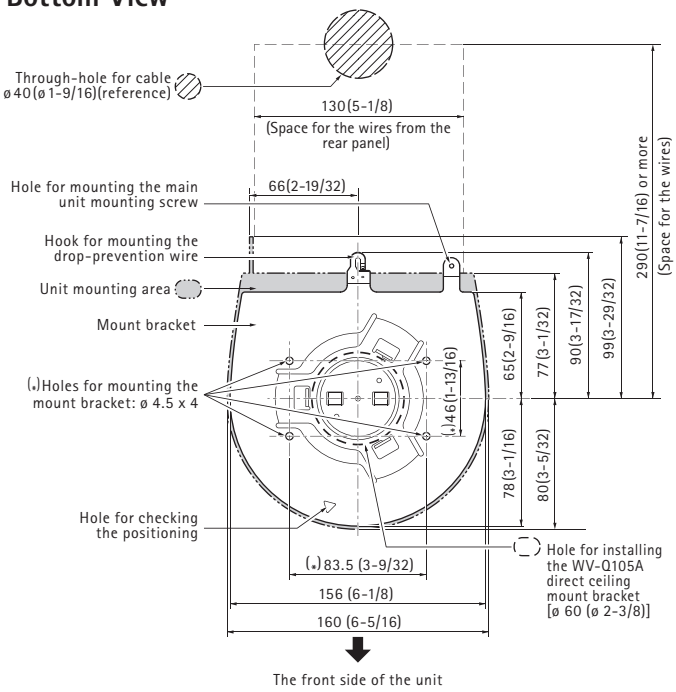
●Android™ is a trademark of Google Inc.

Rear View

Bottom View

Unit: mm(inches)



Please refer to the latest information, etc. at the following Panasonic web site:

http://pro-av.panasonic.net/

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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)

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