

Panasonic

BUSINESS

AW-UE70W [White Model]
AW-UE70 K [Black Model]
4K Integrated Camera

For indoor use



Capture and deliver
the moment with 4K over IP



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

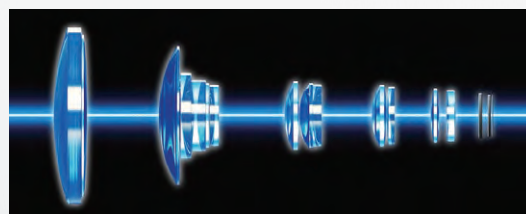


The compact AW-UE70W/K integrated pan-tilt remote camera can output 4K video via HDMI, USB and IP transmission. By introducing technological capabilities developed in our 4K cameras for movie production and TV station use, we created the AW-UE70W/K as a 4K integrated camera that can be effectively used 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 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:

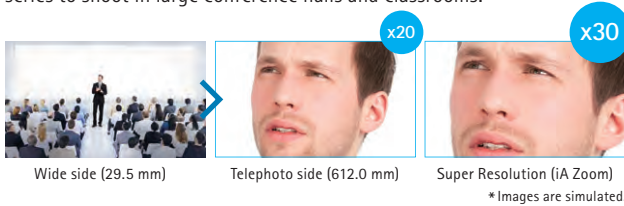
| | |
|------|--|
| HDMI | 2160/29.97p, 2160/25p, 1080/59.94p, 1080/50p, 1080/59.94i, 1080/50i, 1080/29.97PsF, 1080/25PsF, 1080/29.97p, 1080/25p, 720/59.94p, 720/50p |
| SDI | 1080/59.94p, 1080/50p, 1080/59.94i, 1080/50i, 1080/29.97PsF, 1080/25PsF, 1080/29.97p, 1080/25p, 720/59.94p, 720/50p |
| USB | 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.

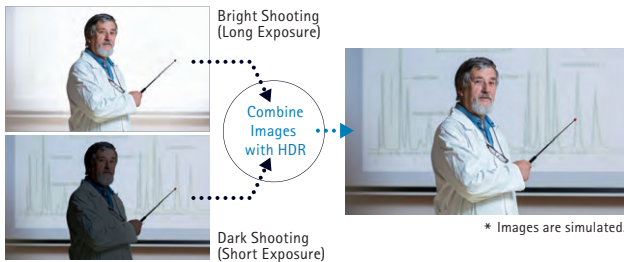
High Performance Optical 20x Zoom Lens/ Super Resolution 30x Zoom

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.



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.



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 enabled 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 | 1920x1080 1280x720*3 640x360*5 | 1280x720 640x360 320x180 | | 1920x1080*4 1280x720*3 640x360 320x180*3 | | | |
| | IP (4K) selected | 3840x2160 | — | | 640x360 320x180 | — | | |
| 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 | | — | | — | |
| Bit rate | | Up to 50 Mbps at 4K or up to 24 Mbps otherwise | | | | | | |
| Voice transmission | | Yes (AAC48 KHz) | | | | | | |
| PoE+ | | Yes | | | | | | |

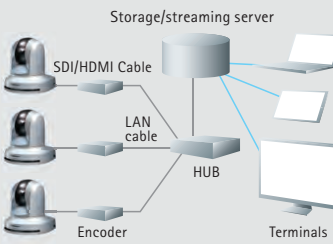
* Depending on the output mode, certain restrictions apply.

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

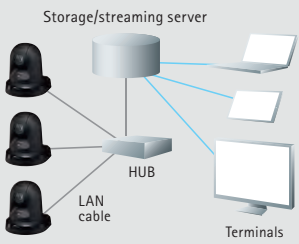
There is no need for the separate encoder normally required when streaming video and audio via IP. Systems can be built with exceptional cost/performance benefits.

Lecture Capture/Streaming System Example

● When used with cameras with only SDI/HDMI output:



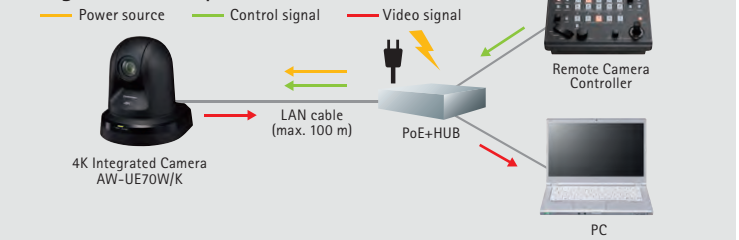
● When used with cameras capable of IP video output:



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

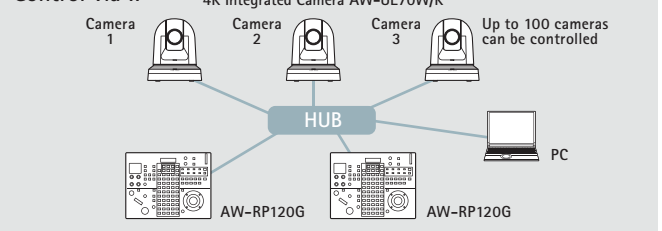


* Images are simulated.

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



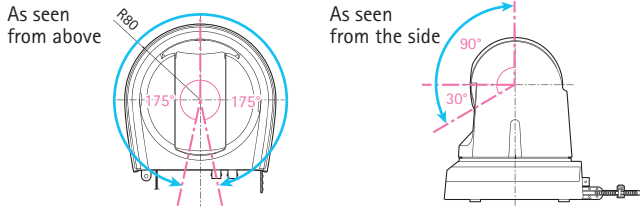
*1: 1920 x 1080 60 fps output is 1ch display only. For 2ch or more, display is max. 30 fps. Also, JPEG output is up to 3ch. *2: Depends on your network environment.

*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 $\pm 175^\circ$ and the tilt range of -30° to $+90^\circ$ cover a wide shooting area*1. Pan and tilt operate at a maximum speed of $90^\circ/\text{second}$ and respond quickly to remote control operation. They operate quietly at a sound level of NC35 or lower.



*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

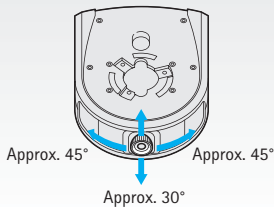
- Used in combination with an 4K/HD Integrated Camera*3.
- 95° wide-angle view from the Control Assist Camera is displayed on an iPad.
- Tapping the desired area of the wide-angle view displayed on the iPad*2 turns the field of view of the 4K/HD Integrated Camera*3 to the tapped position.
- 4K/HD Integrated 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.



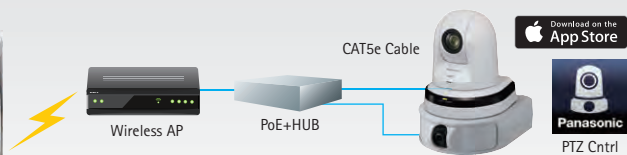
Usage example

4K/HD Integrated Camera video

Control Assist Camera video



* 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

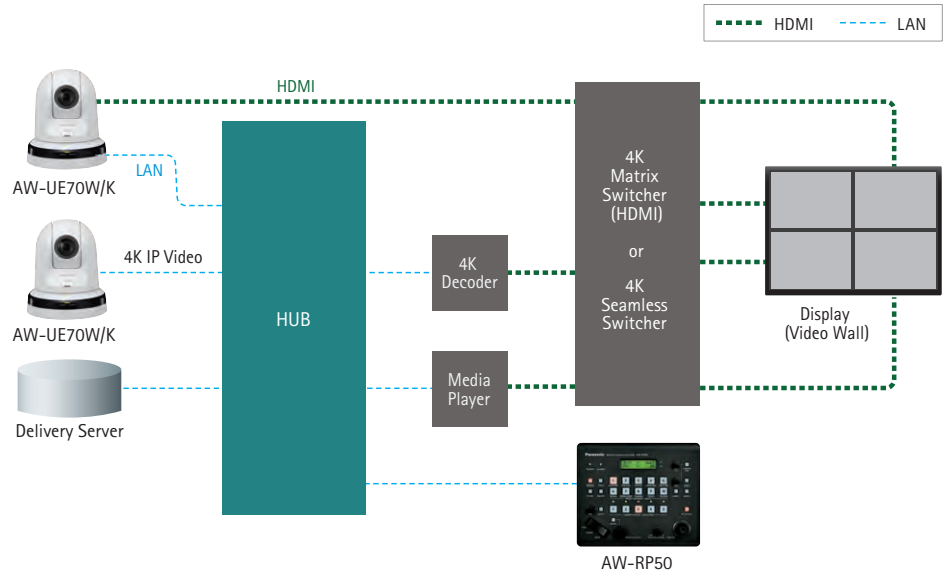
As of September, 2015

| | | | |
|--|---|--|---|
| 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.) |  |
| Wireless Remote Control AW-RM50G (*AA*, *R6* or *LR6* battery x 2 are not included.) |  | Compact Live Switcher AW-HS50 |  |
| | | Remote Operation Panel AK-HRP200G (AC adaptor (DC12 V) is required separately.) |  |
| | | Direct Ceiling Mount Bracket WV-Q105A |  |

Application 01: Signage

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

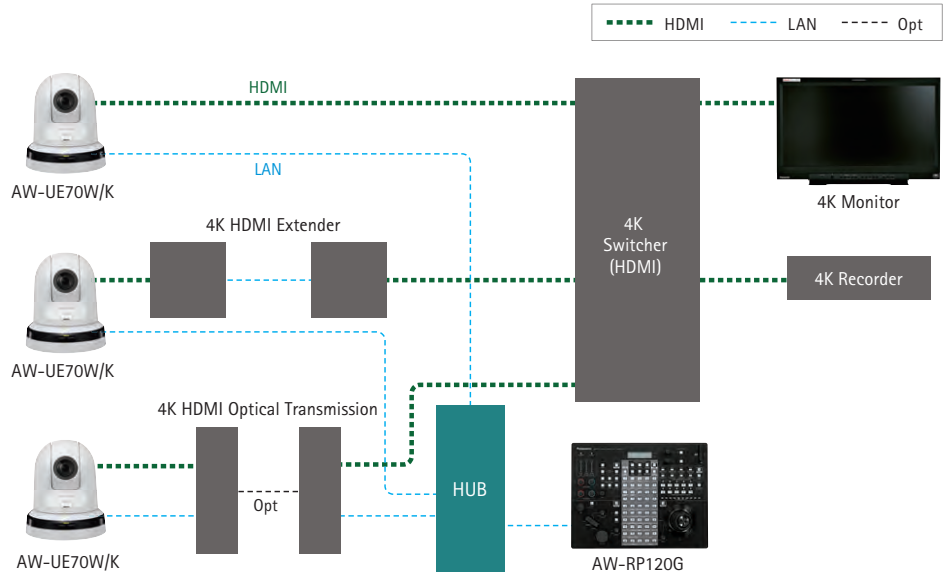
Place AW-UE70W/K cameras in a large commercial facility or event venue to record the live footage. You can then show 4K video on a large video wall. By splitting the screen display, you can show video from a variety of spots.



Application 02: Video Production

Production of 4K video using compact remote cameras

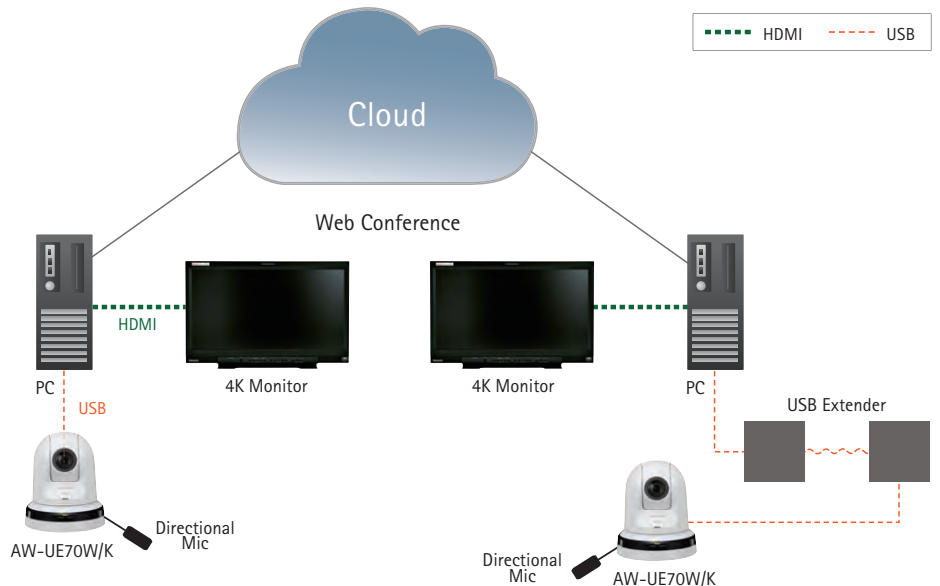
Efficiently add AW-UE70W/K cameras to a 4K switcher of an existing studio. This allows you to build a compact 4K program production system capable of handling professional uses while achieving good cost performance.



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) | | Output format | HD | 2160/29.97p/25p (HDMI only) 1080/59.94p/50p 1080/59.94i/50i 1080/29.97p/25p 1080/29.97p/25pSF 720/59.94p/50p | |
| | 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 | | Synchronization system | Internal synchronization/External synchronization (BBS, Tri-level sync) | | |
| | [AW-UE70K] | Metallic black | | | Image stabilization | Optical (FHD, 4K)/4-axis hybrid image stabilizer (FHD) for stable | |
| Controller supported*1 | AW-RP60, AW-RP120G, AK-HRP200G | | [USB connection] | * This may vary depending on the operating environment. | | | |
| INPUT | Power | DC 12 V IN, PoE+ (IEEE802.3at standard) | | Video output | USB Video Class Ver1.0 | | |
| | Mic/line input | Stereo mini-jack (ø3.5 mm) | | Video compression format | Motion JPEG | | |
| | | Input impedance: Approx. 2 kΩ (unbalanced) | | Resolution | 1920 x 1080, 1280 x 720, 640 x 360 | | |
| | | [Mic input] | | Frame rate | max 30 fps (59.94 Hz) max 25 fps (50 Hz) | | |
| | | Supported microphones: Stereo mic (plug-in power, on/off switching via menu) | | Audio output | USB Audio Class Ver1.0 | | |
| | | Supplied voltage: 2.5 V ± 0.5 V | | Audio compression format | Linear PCM, 48 kHz, 16-bit, 2 channels | | |
| | | Mic input level: -60 dBV ± 3 dBV (0 dB=1 V/Pa, 1 kHz) | | 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 | | |
| Input level: -10 dBV ± 3 dBV | | Supported models | Devices standardly equipped with a USB 2.0 compatible port | | | | |
| 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/SMPTTE292M 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 Manual | 1/60 to 1/2000 [59.94 Hz] 1/50 to 1/2000 [50 Hz] | | | | |
| | | | 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 | 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, RTCP, FTP, DHCP, DNS, NTP, IGMP, UPnP, ICMP, ARP, RTPSPoverTCP, RTSPoverHTTP, SSL(TLS), MultiCast/UniCast | | | | | | |
| | IPv6 TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTCP, FTP, DHCPv6, DNS, NTP, ICMPv6(MLD), RTPSPoverTCP, 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® Core™ i7 3.4 GHz or higher recommended Other than above Intel® Core™ i5 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/browser, please refer to the "service and support" on the Panasonic website (<http://pro-av.panasonic/en/>).

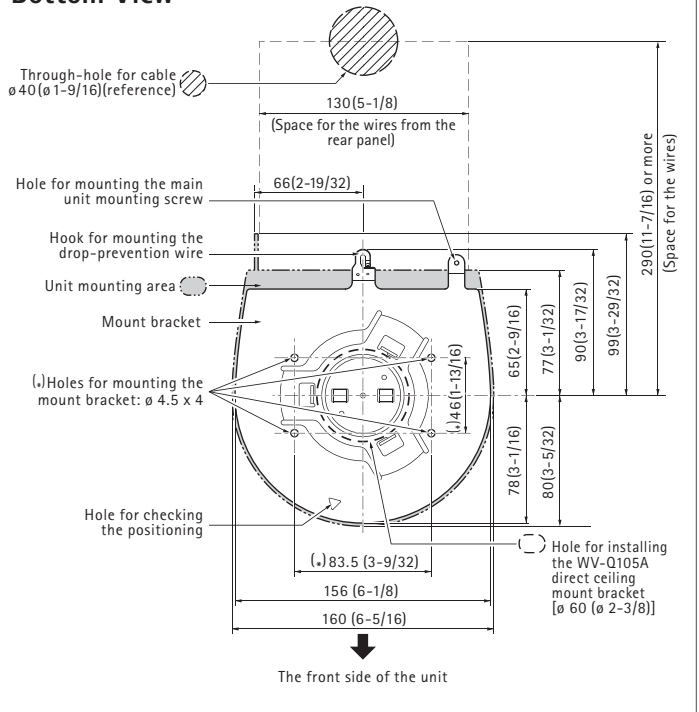
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- Apple, Mac, OS X, iPhone, iPod Touch, iPad, and Safari are registered trademarks of Apple Inc., in the United States and other countries.
- Android™ is a trademark of Google Inc.

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/>

Panasonic®

Panasonic Corporation
AVC Networks Company
2-15 Matsuba-cho, Kadoma, Osaka 571-8503
Japan
<http://pro-av.panasonic.net/>

[Countries and Regions]

| | |
|-------------------------------------|-----------------------|
| Argentina | +54 11 4122 7200 |
| Australia | +61 (0) 2 9491 7400 |
| Bahrain | +973 252292 |
| Brazil | +55 11 3889 4035 |
| Canada | +1 905 624 5010 |
| China | +86 10 6515 8828 |
| Hong Kong | +852 2313 0888 |
| Czech Republic: | +421 (0) 903 447 757 |
| Denmark | +45 43 20 08 57 |
| Egypt | +20 2 23938151 |
| Finland, Latvia, Lithuania, Estonia | +358 (9) 521 52 53 |
| France | +33 (0) 1 47 91 64 00 |
| Germany, Austria, Switzerland | +49 (0) 6103 313887 |
| Greece | +30 210 96 92 300 |
| Hungary | +36 (1) 382 60 60 |
| India | +91 1860 425 1860 |
| Indonesia | +65 6277 7284 |
| Iran (Vida) | +98 21 2271463 |
| (Panasonic Office) | +98 2188791102 |
| Italy | +39 02 6788 367 |
| Jordan | +962 6 5859801 |
| Kazakhstan | +7 727 298 0891 |
| Korea | +82 2 2106 6641 |
| Kuwait | +96 522431385 |

| | |
|--|----------------------|
| Lebanon | +96 11665557 |
| Malaysia | +60 3 7809 7888 |
| Mexico | +52 55 5488 1000 |
| Mongolia | +976 70115577 |
| Netherlands, Belgium | +31 73 640 2729 |
| New Zealand | +64 9 272 0100 |
| Norway | +47 67 91 78 00 |
| Pakistan | +92 5370320 (SNT) |
| Palestine | +972 2 2988750 |
| Panama | +507 229 2955 |
| Philippines | +65 6277 7284 |
| Poland | +48 (22) 338 1100 |
| Portugal | +351 21 425 77 04 |
| Romania, Albania, Bulgaria, Macedonia | +40 (0) 729 164 387 |
| Russia & CIS | +7 495 9804206 |
| Saudi Arabia | +96 626444072 |
| Singapore | +65 6277 7284 |
| Slovak Republic, Croatia, Serbia, Bosnia, Montenegro, Slovenia | +421 (0) 903 447 757 |
| South Africa | +27 11 3131622 |
| Spain | +34 (93) 425 93 00 |
| Sweden | +46 (8) 680 26 41 |
| Syria | +963 11 2318422/4 |
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| | |
|------------------------------|---------------------|
| Thailand | +662 731 8888 |
| Turkey | +90 216 578 3700 |
| U.A.E. (for all Middle East) | +971 4 8862142 |
| | +380 44 4903437 |
| Ukraine | +44(0)1344 70 69 13 |
| U.K. | +1 877 803 8492 |
| U.S.A. | +65 6277 7284 |
| Vietnam | |



JQA-0443



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