

**AW-UE80W** [White Model]

**AW-UE80K** [Black Model]

4K Integrated Camera For Indoor Use



**Models to respond to a wide range of video production needs, such as recording of reality shows and events**

### Compact & quiet design blends in smoothly with the surroundings.

The compact size and gentle dome shape make the camera movements unnoticeable. The new direct-drive motor has reduced the operating sound to NC25 or lower. Quiet operation makes the performers less conscious of the presence of the camera during the shooting.

### Flexibility adapt to various video shooting situations such as large-scale shooting.

The UE80 supports 4K/60p to render smooth high-resolution video images. With its wide 74.1° angle and optical 24x zoom, the camera captures details clearly even from a distance as well as the entire area from a limited space. It is equipped with many features and functions for professional use, including FreeD compatibility, to realize the reduction of required manpower at the shooting site and achieving high-quality video images.

### High-image-quality videos resistant to interruption and with a low latency.

The UE80 supports High Bandwidth NDI®\*1,2 for IP transmission of high-image-quality videos with a low latency and NDI®|HX\*3,4 for efficient video transmission even with a limited bandwidth, thus realizing stable video streaming. The UE80 offers high security, so it can be used safely in any video shooting.



\*1 NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow.

\*2 NDI® is a registered trademark of NewTek, Inc. in the United States.

\*3 In this instance, NDI® is used to indicate low latency with high bandwidth NDI®, NDI®|HX is used to indicate high efficiency low bandwidth NDI®|HX.

\*4 In the NDI®|HX mode, 4K video signals cannot be output. AW-UE80 supports NDI®|HX version 2 and Full HD output.



# Various functions to flexibly adapt to the shooting scene

## Supports SRT\* to ensure secure and stable video streaming

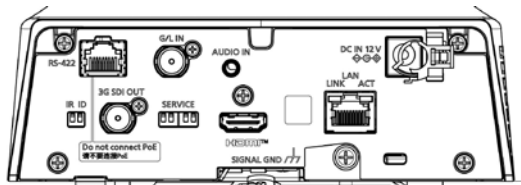


The UE80 supports SRT, a next-generation video transport protocol that works well even with an unstable network environment and that provides robust security.

\* Abbreviation for Secure Reliable Transport

## Support 3 kinds of Interfeses

The UE80 supports three kinds of output interfaces—3G-SDI, HDMI and IP—so it can be used together with a wide range of devices.



## Accessories



**Remote Camera Controller  
AW-RP150GJ**  
High operability ensured through touch-panel GUI monitor and a new type of joystick.



**Remote Camera Controller  
AW-RP60GJ**  
Equipped with a GUI menu screen for clear visibility and a joystick for intuitive control.



**Auto Tracking Software Key  
AW-SF100/AW-SF200**  
Face Recognition and Human Body Detection for High Precision and Smooth Tracking Control for Natural-looking Video.



**Visual Preset Software Key  
AW-SF300**  
GUI screen that enables the subject of multiple PTZ Cameras to be switched with a single click of an icon.

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## FreeD compatibility allows for the configuration of an AR/VR system

The UE80 can output commands in conformity with FreeD\* so it can be connected to an AR/VR system.

\*FreeD is a protocol widely used for transmitting camera's tracking information primarily for use with a virtual studio system.

## Useful Software for Simplifies Workflow

The UE80 supports various software such as Auto Tracking Software and PTZ Control Center. The software simplifies the shooting workflow using PTZ cameras and reduces the operation and management workloads.

## Other Features

- Electronic Image Stabilization (EIS)
- Optical Image Stabilization (OIS)
- RTMP/RTMPS for direct streaming
- Use of Web GUI for camera control

## AW-UE80W/K Specifications

Comprehensive		
Power Requirements		12 V DC (10.8V to 13.2V)(Supplied AC adapter)
PoE++		IEEE802.3bt compliant : DC42-57 V (Camera Input)
Current Consumption		3.0 A (AC adaptor input), 1.0 A (PoE++ power supply)
Mass		Approx. 2.0 kg(4.41 lbs) (excluding ceiling mounting bracket)
External dimensions		Width 170.0 mm x Height 211.0 mm x Depth 171.0 mm(6.693 inches x 8.307 inches x 6.732 inches) (Excluding protrusions, cable cover, ceiling mounting bracket)
Camera part		
Image Sensors		1/2.5-type MOS×1
Lens		Motorized Optical 24x zoom, F1.8 to F4.0 [f=4.12 mm (5/32 inches) to 98.9 mm (3-29/32 inches); 35 mm (1-3/8 inches) equivalent: 25.0 mm (31/32 inches) to 600.0 mm (23-5/8 inches)]
Zoom magnification		• Optical zoom: 24 x • 1.Zoom UHD 28 x, FHD 3 6x • Digital extender zoom: 1.4 x, 2 x
Angle of View Range		Horizontal angle of view: 74.1° (wide) to 3.3° (tele) Vertical angle of view: 46.0° (wide) to 1.9° (tele) Diagonal angle of view: 81.8° (wide) to 3.8° (tele)
Horizontal Resolution		1,500 TV Typ (Center area, UHD mode, wide), 1,000 TV Typ (Center area, FHD mode, wide)
Output Format	SDI	HD 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p(Native), 25p(Native), 23.98p(over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p(Just), 23.98p(Native), 720/59.94p, 50p
	HDMI	4K 2160/59.94p, 2160/50p, 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Just), 2160/23.98p(Native)
	HD	1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p(Native), 25p(Native), 23.98p(over59.94p), 1080/24p(Just), 23.98p(Native), 720/59.94p, 50p
Output		
Video Output	HDMI	HDMI 2.0 connector, 4:2:2/10bit
	3G-SDI OUT	SMPTE292M/424M/ 75 Ω(BNC×1)
Input/output		
Input/Output Connector	LAN	LAN terminal for IP control (RJ-45)
	RS-422	CONTROL IN RS422A (RJ-45)
	MIC/LINE input	AAC compatibility (compatible with IP only), Ø3.5 mm stereo mini jack
	During MIC input During LINE input	Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz), Supply voltage: 2.5 V±0.5 V(plug-in power compatible) Input level: -10 dBV
Rotating platform part		
Pan operating range		±175°
Tilt operating range		-30°~90° *1
IP Streaming		
Image Streaming Mode		JPEG(MJPEG), H.264, H.265, NDI® HX version 2 <sup>*3,*4</sup> (H.264), High Bandwidth NDI®
Image resolution		1920×1080, 1280×720, 640×360, 320×180
Image Transmission Setting	H.264	Transmission Type: Unicast port(AUTO), Unicast port(MANUAL), Multicast port Frame rate: [At 60 Hz] 5 fps/15 fps/30 fps/60 fps [At 50 Hz] 5 fps/12.5 fps/25 fps/50 fps
	H.265	Transmission Type: Unicast port(AUTO), Unicast port (MANUAL), Multicast port Frame rate: [At 60 Hz] 60 fps/30 fps [At 50 Hz] 50 fps/25 fps
	High Bandwidth NDI®*5	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps
NDI® HX version 2		Transmission Type: TCP/UDP, Unicast/Multicast

\*1 The main unit may appear in the video depending on the pan/tilt position.

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\*5 Full HD/60p output is supported.

\*This specification is a part. Please see the website for details.



For more information, please visit  
Panasonic web site

[https://pro-av.panasonic.net/en/?cid=ad-gr-mz\\_prd\\_mebd-ue80\\_211012\\_all\\_s\\_gl](https://pro-av.panasonic.net/en/?cid=ad-gr-mz_prd_mebd-ue80_211012_all_s_gl)



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Factories of AVC Networks Company have received  
ISO 14001:2004-the Environmental Management System  
certification. (Except for 3rd party's peripherals.)