Panasonic CONNECT

AW-UE80W [White Model]
AW-UE80K [Black Model]
4K Integrated Camera For Indoor Use

Perfect for a wide range of video production needs, such as recording live shows and events.

Compact design and quiet operation for smooth integration with your space.

The compact size and dome shape makes the camera's movements virtually unnoticeable. The new direct-drive motor reduces the operating sound to NC25 or lower. Its quiet operation makes subjects less conscious of the camera while in use.

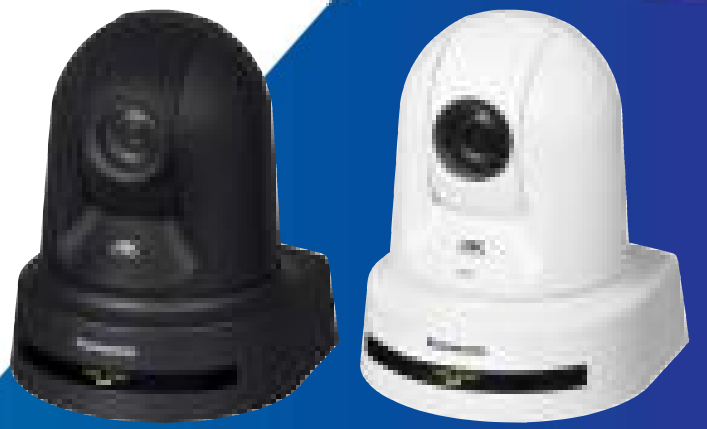
Flexible to adapt to various shooting situations.

The UE80 supports 4K/60p to render smooth high-resolution video images. With its wide 74.1° lens angle and optical 24x zoom, the camera captures details clearly - even from a distance - as well as the entire area from a limited space. The UE80 is equipped with many professional features and functions, including FreeD compatibility to connect to AR/VR systems for virtual productions.

High quality video transmission with low latency.

The UE80 supports High Bandwidth NDI®*1,2 for IP transmission of high-quality videos with a low latency and NDI®|HX*3,4 for efficient video transmission on limited bandwidth. Stable video streaming is realized regardless of bandwidth. The UE80 also offers high security, so it can be used safely in any video shooting setting.

*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 and other countries.
*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.



4K SRT ALLIANCE HDMI

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 provides robust security and works well even with an unstable network environment.

*Abbreviation for Secure Reliable Transport

Supports popular output interfaces

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

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 the camera's tracking information primarily for use with a virtual studio system.

Useful software to simplify 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

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

Accessories

Remote Camera Controller
AW-RP150
High operability ensured through touch-panel GUI monitor and a new type of joystick.

Remote Camera Controller
AW-RP60
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.

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
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
Effective Pixels			Approx. 8.49million pixels
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 • i.Zoom UHD 28 x, FHD 36x • 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(Native), 2160/50p(Native), 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 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), Φ3.5 mm stereo mini jack
		During MIC input	Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz), Supply voltage: 2.5 V±0.5 V(plug-in power compatible)
		During LINE input	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*2,3,4(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 Max Bit Rate: 512kbps/768kbps/1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/16384kbps/20480kbps/24576kbps
	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 Max Bit Rate: 1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/16384kbps/20480kbps/24576kbps
	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_qr-mz_prd_mebd-ue80_211012_all_s_gl

Broadcast and Professional AV Website | Contact Information | Facebook | Mobile App

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Factories of Panasonic Connect Co., Ltd. have received ISO14001:2015-the Environmental Management System certification. (Except for 3rd party's peripherals.)