



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.



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.



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.

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.

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.

Built-in auto tracking function

The UE80's built-in auto-tracking function allows capturing a moving presenter and speaker. The camera work follows the speaker without the need for detailed operation by the operator, allowing for realistic video shooting at any time.

Other features

- Optical Image Stabilization (OIS)
- RTMP/RTMPS for direct streaming
- 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													
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 MOSx1													
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	<ul style="list-style-type: none"> • 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	<table border="1"> <thead> <tr> <th>SDI</th> <th>HD</th> </tr> </thead> <tbody> <tr> <td>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</td> <td>2160/59.94p(Native), 2160/50p(Native), 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 2160/23.98p(Native)</td> </tr> <tr> <td>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</td> <td></td> </tr> </tbody> </table>	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	2160/59.94p(Native), 2160/50p(Native), 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 2160/23.98p(Native)	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								
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	2160/59.94p(Native), 2160/50p(Native), 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 2160/23.98p(Native)													
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	<table border="1"> <thead> <tr> <th>HDMI</th> <th>3G-SDI OUT</th> </tr> </thead> <tbody> <tr> <td>HDMI 2.0 connector, 4:2:2/10bit</td> <td>SMPT292M/424M/ 75 Ω(BNCx1)</td> </tr> </tbody> </table>	HDMI	3G-SDI OUT	HDMI 2.0 connector, 4:2:2/10bit	SMPT292M/424M/ 75 Ω(BNCx1)									
HDMI	3G-SDI OUT													
HDMI 2.0 connector, 4:2:2/10bit	SMPT292M/424M/ 75 Ω(BNCx1)													
Input/Output														
Input/Output Connector	<table border="1"> <thead> <tr> <th>LAN</th> <th>RS-422</th> <th>MIC/LINE input</th> </tr> </thead> <tbody> <tr> <td>LAN terminal for IP control (RJ-45)</td> <td>CONTROL IN RS422A (RJ-45)</td> <td>AAC compatibility (compatible with IP only), Ø3.5 mm stereo mini jack</td> </tr> <tr> <td></td> <td></td> <td> <table border="1"> <thead> <tr> <th>During MIC input</th> <th>During LINE input</th> </tr> </thead> <tbody> <tr> <td>Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz), Supply voltage: 2.5 V±0.5 V(plug-in power compatible)</td> <td>Input level: -10 dBV</td> </tr> </tbody> </table> </td> </tr> </tbody> </table>	LAN	RS-422	MIC/LINE input	LAN terminal for IP control (RJ-45)	CONTROL IN RS422A (RJ-45)	AAC compatibility (compatible with IP only), Ø3.5 mm stereo mini jack			<table border="1"> <thead> <tr> <th>During MIC input</th> <th>During LINE input</th> </tr> </thead> <tbody> <tr> <td>Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz), Supply voltage: 2.5 V±0.5 V(plug-in power compatible)</td> <td>Input level: -10 dBV</td> </tr> </tbody> </table>	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
LAN	RS-422	MIC/LINE input												
LAN terminal for IP control (RJ-45)	CONTROL IN RS422A (RJ-45)	AAC compatibility (compatible with IP only), Ø3.5 mm stereo mini jack												
		<table border="1"> <thead> <tr> <th>During MIC input</th> <th>During LINE input</th> </tr> </thead> <tbody> <tr> <td>Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz), Supply voltage: 2.5 V±0.5 V(plug-in power compatible)</td> <td>Input level: -10 dBV</td> </tr> </tbody> </table>	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								
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*2,3,4(H.264), High Bandwidth NDI*													
Image Resolution	1920x1080, 1280x720, 640x360, 320x180													
Image Transmission Setting	<table border="1"> <thead> <tr> <th>H.264</th> <th>H.265</th> <th>High Bandwidth NDI**5</th> <th>NDI* HX version 2</th> </tr> </thead> <tbody> <tr> <td> 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 </td> <td> 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 </td> <td> Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps </td> <td> Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 512kbps/768kbps/1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/16384kbps/20480kbps/24576kbps </td> </tr> </tbody> </table>	H.264	H.265	High Bandwidth NDI**5	NDI* HX version 2	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	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	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 512kbps/768kbps/1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/16384kbps/20480kbps/24576kbps					
H.264	H.265	High Bandwidth NDI**5	NDI* HX version 2											
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	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	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 512kbps/768kbps/1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/16384kbps/20480kbps/24576kbps											

*1The main unit may appear in the video depending on the pan/tilt position.
 2NDI is a new protocol developed by NewTek, Inc. that supports IP video production workflow.
 3NDI is a registered trademark of NewTek, Inc. in the United States and other countries.
 4In 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. In the NDI*|HX mode, 4K video signals cannot be output. AW-UE80 supports NDI*|HX version 2 and Full HD output.
 *5Full HD/60p output is supported.
 *This specification is a part. Please see the website for details.

Panasonic

Panasonic Connect Co., Ltd.
2-15 Matsuba-cho, Kadoma, Osaka 571-8503 Japan

SP-UE80PEWEB4 202309U



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



For more information, please visit Panasonic web site

https://pro-av.panasonic.net/en/?cid=ad_gr-mz_prd_mebd-ue80_211012_all_s_g



Broadcast and Professional AV Website



Contact Information



Facebook



Mobile App