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

- **Compact design and quiet operation for smooth integration with the surroundings.**
  The compact size and dome shape make the camera’s movements virtually 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.

- **Flexible to adapt to various video shooting situations.**
  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 professional features and functions, including FreeD compatibility for connection 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-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 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 works well even with an unstable network environment and that provides robust security.

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.

Other Features

- 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 13.2 V DC (Supplied AC adapter))
- PoE++: IEEE802.3bt compliant (DC24-57V Input camera)
- Current Consumption: 3.0 A (AC adapter input), 1.0 A (PoE++ power supply)
- Mass: Approx. 3.0 kg (6.6 lbs) (excluding ceiling mounting bracket)
- External dimensions: Width 170.0 mm × Height 211.0 mm × Depth 111.0 mm (1093 inches x 8.307 inches x 6.732 inches (Excluding protrusions, covers, ceiling mounting bracket))
- Camera part: 1/2.5-type MOS+1
- Effective Pixels: Approx. 8.8 million pixels
- Lens: Motorised Optical 24x zoom, f=1.8 to f=4.0 [f=4.12 mm (5/32 inches) to 98.9 mm (3-29/32 inches); 35 mm (1.38 inches) equivalent: 25.0 mm (3/32 inches) to 600.0 mm (25-3/8 inches)]
- Zoom magnification: Optical zoom: 24x, 0.7x to 1.9x
- Camera zoom: 1.2x, 2x
- Zoom ratio: 1 to 4.12
- Zoom HD: 2x, H: 3.3
- Angle of View Range: Horizontal view: 4.4° (wide) to 1.9° (tele), Diagonal view of angle: 8.8° (wide) to 3.8° (tele)
- Horizontal Resolution: 1,500 TV Typ (Center area, HD mode, wide), 1,000 TV Typ (Center area, FHD mode, wide)
- Output: Video Output HDMI: HDMI 2.0 connector, e.2.2/10bit, 3G-SDI OUT SMPTE292M/424M/75-31

Input/output Connector
- Input/output Connector: LAN Terminal for IP control (RJ-45), RS-422 CONTROL input RS422A (RJ-45)
- MIC/LINE input: AAC compatibility (compatible with IP only), 3.5 mm stereo mini jack
- During Input level: –40 dBV (0 V, 1 kHz, 1 kHz)
- During MIC input: Supply voltage: 2.5 V 0.5 W plug-in power compatible
- During LINE input: Input level: –10 dBV

Relating platform part
- Pan operating range: ±175°
- Tilt operating range: ±20°
- IP-Streaming
- Image Streaming Mode: JPEG/MJPEG, H.264, H.265, ND|HX version 2+4, 264, High Bandwidth ND|HX
- Image resolution: [f=4.12 mm (5/32 inches) to 98.9 mm (3-29/32 inches); 35 mm (1.38 inches) equivalent: 25.0 mm (3/32 inches) to 600.0 mm (25-3/8 inches)]
- Max Bit Rate: 512kbps/768kbps/1024kbps/1536kbps/2048kbps/2560kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps/20480kbps/24576kbps
- High Bandwidth ND|HX
- Transmission Type: TCP/IP, Uncast/Multicast
- Max Bit Rate: 250 Mbps

For more information, please visit Panasonic web site https://pro-av.panasonic.net/