



4K 50/60p PTZ Camera supporting Full-Bandwidth NDI®*1, SRT and FreeD protocols

AW-UE80

The AW-UE80W/K is a PTZ camera suitable for capturing the natural facial expressions of actors/performers and for recording events without spoiling the ambiance. The dome-shaped design minimizes "the feeling of being recorded on video" while the new direct-drive motor produces a very quiet operating sound so it won't disturb the production activities or spoil the ambiance. The camera offers high-image-quality 4K/60p resolution, wide 74.1° angle, and optical zoom with up to 24x magnification to achieve superb video image quality. The AW-UE80W/K also offers excellent stability and security during video streaming so it can be used for any type of video production. From the production of a reality show to the recording of an internal business or educational event, the top-of-the-line standard model, AW-UE80W/K, can be used in a diversity of applications.

Key Features

Supports a wide variety of IP transmission protocols, including NDI®*1 High Bandwidth, NDI®*1 HX, and SRT*2

Supports 4K 50p/60p shooting

Includes a wide-angle lens with a 74.1° field of view and 24x optical zoom

Supports FreeD for building AR/VR systems

New Direct Drive System for improved responsiveness and quietness







Panasonic CONNECT









AW-UE80

https://oc.connect.panasonic.com/au/en/aw-ue80

General	
Power Requirements	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
PoE++	IEEE802.3bt compliant: DC42 to 57 V (Camera Input)(Software authentication (LLDP) is supported)
urrent Consumption	3.0 A (Supplied AC adaptor), 1.0 A (PoE++ power supply)
mbient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
mbient Operating Humidity	20 % to 90 % (no condensation)
torage Temperature	-20 to 50°C (-4 °F to 122 °F)
lass	Approx. 2.0 kg (4.41 lbs) (excluding ceiling mounting bracket), Approx. 2.25 kg (4.96 lbs) (including ceiling mounting bracket)
imensions (W x H x D) (mm)	170.0 mm x 211.0 mm x 171.0 mm
imensions (W x H x D) (inch)	6.693 inches x 8.307 inches x 6.732inches
nish	AW-UE80W: WhiteAW-UE80K: Black
ontroller Supported	AW-RP150GJ, AW-RP60GJ, AW-RM50AG, AK-HRP1000*1, 2, AK-HRP1005*1, 2, AK- HRP1015*2, AK-HRP250*2
amera Unit	
naging Sensors	1/2.5-type MOS×1
ens	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)]
oom	• Optical zoom: 24x• i.Zoom UHD 28x, FHD 36x• Digital extender zoom: 1.4x, 2x
onversion Lens	Not supported
ngle 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)
ptical Filter	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode")
ocus	Switching between auto and manual
ocus Distance	Entire zooming range: 1200 mm (3.9 ft)Wide end: 100 mm (0.33 ft)
olor Separation Optical System	1 MOS
inimum Illumination	3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
orizontal Resolution	1,500 TV Typ (Center area, UHD mode, wide)1,000 TV Typ (Center area, FHD mode, wide)
ain Selection	Auto, 0 dB to 36 dB*3 (Super Gain function equipped : 37 dB to 42 dB)
ame Mix	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB*4
ectronic Shutter Speed	4/60 4/400 4/420 4/250 4/500 4/4000 4/2000 4/0000 4/4000
ectronic Shutter Speed 9.94p/59.94i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
ectronic Shutter Speed 29.97p	1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
lectronic Shutter Speed 23.98p/24	p 1/24, 1/48, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
ectronic Shutter Speed 50p/50i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
ectronic Shutter Speed 25p	1/25, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
/ncro Scan	
ynchro Scan 59.94p/59.94i	60.0 Hz to 7200 Hz
nchro Scan 29.97p	30.0 Hz to 7200 Hz
nchro Scan 23.98p/24p	24.0 Hz to 7200 Hz
nchro Scan 50p/50i	50.0 Hz to 7200 Hz
nchro Scan 25p	25.0 Hz to 7200 Hz
amma	HD / Normal / Cinema1 / Cinema2 / Still Like
/hite Balance	• ATW: 3200 K, 5600 K (ATW Speed 3-stage variables.)• AWB: AWB-A / AWB-B• VAR (selectable between 2000 K and 15000 K by designating a value)
hroma Amount Variability	OFF, -99 % to 99 %
cene File	
ynchronization System nput	Internal/External synchronization (BBS/Tri-level sync)
nput Connectors	DC 12 V IN, G/L IN(BNC)BBS (Black Burst Sync), tri-level sync supported)
utput	
utput Format	
utput 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), 730/59.04b, 50p.
output Format HDMI 4K	720/59.94p, 50p 2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Just),
	2160/23.98p (Native) 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p
utput Format HDMI 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
ideo Output	
ideo Output HDMI	HDMI 2.0 connector, 4:2:2/10bit• HDCP is not supported.• Viera Link is not supported
ideo Output 3G-SDI OUT	SMPTE292M/424M/ 75 Ω(BNC×1)• Level-A/Level-B supported
nput/Output	
nput/Output Connector	
nput/Output Connector LAN	LAN terminal for IP control (RJ-45)

Input/Output Connector RS-422 MIC/Line Input	CONTROL IN RS422A(RJ-45) AAC compatibility (compatible with IP only)Ф3.5 mm stereo mini jack• During MIC inputInput level: -40 dBV (0 dB=1 V/Pa, 1 kHz)Supply voltage: 2.5 V±0.5 V (plug-in power compatible)"• Input impedance: Approx. 2 kC (when plug-in power is turned ONJA)pprox.
	20 kΩ (when plug-in power is turned OFF)*• During LINE inputInput level: -10 dBVInput impedance: Approx. 3 kΩ• Input volume variable range: -36 dB to 12 dB (3 dB step)• Embedded audio output level: -12 dBFS• Sampling frequency: 48 kHz• Quantization bit rate: 24 bit (SDI, HDMI), 16 bit (IP)
Pan Tilt Head Unit	
Camera/Pan-Tilt Head Control	
IP Connecting Cable	 If you have a PoE++ ethernet hubLAN cable*5, 6 (category 5e or above, straight cable) Max 100 m (328 ft)• If you don't have a PoE++ ethernet hubLAN cable*5, 6 (category 5e or above, straight cable) Max 100 m (328 ft)
AW Protocol Connecting Cable	LAN cable *5 (category 5e or above, straight cable) Max 1000 m (3280 ft)
Installation Method Pan/Tilt Operation Speed	Stand-alone (Desktop) or suspended (Hanging)*7 Speed range: 0.08°/s to 60°/s (Normal mode)*8
rain tilt operation speed	• 3 speed modes installedNormal:60°/s, Fast1:90°/s, Fast2:180°/s
Panning Range	±175°
Tilting Range	-30°to 90°*9
Quietness	NC25 or less
Image Streaming Mode	JPEG(MJPEG), H.264, H.265, NDI®*1HX version 2*11, 12, 13 (H.264), NDI®*1 High Bandwidth
Supported operating systems and web browsers	
Windows	Windows 10
	Windows® Internet Explorer® 11(32 bit / 64 bit)
	Microsoft Edge
	Google Chrome
Mac	Mac OS v11.0.1 / Safari 14.01
	Mac OS v11.0.1 / Google Chrome Mac OS v10.15 / Google Chrome
	Mac OS v10.14 / Google Chrome
iPhone / iPad	iOS
	Safari
	iPadOS
Android	Android OS
	Google Chrome
IP Streaming	
Image Resolution	1920×1080, 1280×720, 640×360, 320×180
Image Transmission setting (JPEG) Image Transmission Setting (H.264)	Frame rate: Maximum 30fpsImage quality (Fine / Normal) Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
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	Transmission Priority: Constant bit rate, Frame rate, Best effort
	Frame Rate: [60 Hz] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps
	Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps /
Image Transmission Setting (H.265)	20480kbps / 24576kbps
gu	20480kbps / 245 / 6kbps Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
go	·
go	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
go	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort
Audio Compression Type	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps /
Audio Compression Type Supported Protocol	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch
Audio Compression Type	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP
Audio Compression Type Supported Protocol Supported protocol IPv6	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p,
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video Power LED	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video Power LED Tripod Screw Penetration Measures	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: 【HD】 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control Possible
Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video Power LED Tripod Screw Penetration Measures Pan/Tilt Mechanical Method	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: [HD] 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control Possible New Direct Drive System
Audio Compression Type Supported Protocol Supported Protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video Power LED Tripod Screw Penetration Measures Pan/Tilt Mechanical Method Privacy Mode Image Stabilization Other Function	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: [HD] 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control Possible New Direct Drive System The lens surface faces backward when standing by (ON/OFF)* Default is OFF OIS 2-axisMENU switching: Select between Off/O.I.S.(STABLE)/O.I.S.(PAN/TILT)
Audio Compression Type Supported Protocol Supported Protocol IPv6 Supported protocol IPv4 Output Formats Image Transmission Setting (High Bandwidth NDI®) New Functions F-Number Display Menu Display on IP Video Power LED Tripod Screw Penetration Measures Pan/Tilt Mechanical Method Privacy Mode Image Stabilization	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP RTMP, RTMPS, SRT NDI®*1 High Bandwidth: [HD] 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p Transimission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps Displayed on the AW-RP150GJ and AW-RP60GJ sides Supported*15 ON/OFF control Possible New Direct Drive System The lens surface faces backward when standing by (ON/OFF)* Default is OFF

*2:Will be supported in the future *3:Can be set in 1 dB step increments. *4:Cannot be set when the format is 2160/29.97p, 2160/23.98p, 2160/24p, 2160/25p, 1080/29.97p, 1080/23.98p (59.94i), 1080/29.97PsF, 1080/23.98PsF, 1080/25p, 1080/25PsF. *5:STP (Shielded Twisted Pair) is recommended.
*4:Cannot be set when the format is 2160/29.97p, 2160/23.98p, 2160/24p, 2160/25p, 1080/29.97p, 1080/23.98p (59.94i), 1080/29.97PsF, 1080/23.98PsF, 1080/25p, 1080/25PsF.
1080/29.97p, 1080/23.98p (59.94i), 1080/29.97PsF, 1080/23.98PsF, 1080/25p, 1080/25PsF.
*5:STP (Shielded Twisted Pair) is recommended.
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*6:Use Category 6 or higher when transmitting 4K video.
*7:To ensure safety, the unit must be secured using the mount bracket supplied.
*8:Note that the operating noise may be loud in high speed. If the operating noise is disturbing, use the Normal mode.
*9:The main unit may appear in the video depending on the pan/tilt position.
*10:Supported OS indicated are for browsers current as of August 2020. See "Service an Support / PASS" for the latest information on browser support.
*11:NDI® is a new protocol developed by NewTek, Inc. that supports IP video productio workflow.
*12:NDI® is a registered trademark of NewTek, Inc. in the United States.
*13:In this instance, NDI® is used to indicate low latency with NDI® High Bandwidth, 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 Fu HD output.
*14:Simultaneous operation with the AW protocol is not possible.
*15:Non-synchronous with SDI-OUT
1920x1080, 1280x720
Transimission Type: TCP/UDP, Unicast/Multicast
AAC-LC, 48 kHz, 16 bit, 2 ch

NDI®*1 High Bandwidth: Included as standard*14

AAC-LC, 48 kHz, 2 ch