Panasonic CONNECT



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





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AW-UE80

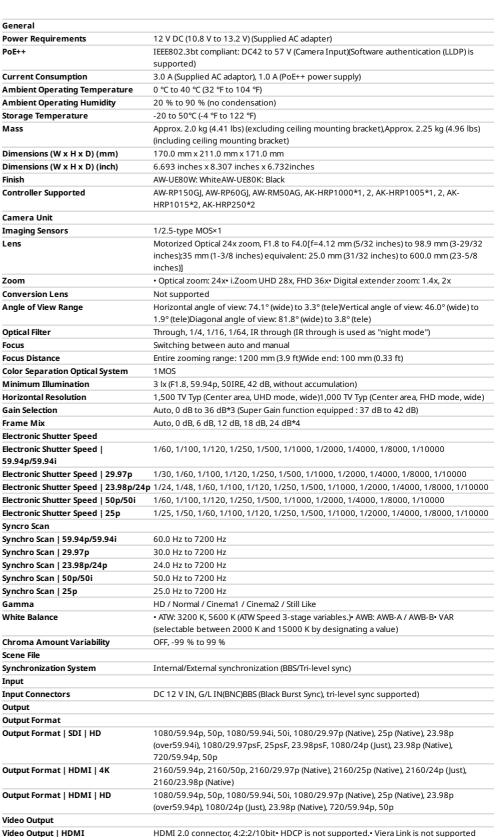
<u>https://eu.connect.panasonic.com/g</u> <u>b/en/products/broadcast-proav/aw-</u> <u>ue80</u>



Video Output | 3G-SDI OUT

Input/Output





HDMI 2.0 connector, 4:2:2/10bit• HDCP is not supported.• Viera Link is not supported SMPTE292M/424M/ 75 Ω(BNC×1)• Level-A/Level-B supported

Input/Output Connector LAN	LAN terminal for IP control (RJ-45)
Input/Output Connector RS-422	CONTROL IN RS422A(RJ-45)
MIC/Line Input	AAC compatibility (compatible with IP only) Φ 3.5 mm stereo mini jack• During MIC
	inputInput level: -40 dBV (0 dB=1 V/Pa, 1 kHz)Supply voltage: 2.5 V \pm 0.5 V (plug-in power compatible)"• Input impedance: Approx. 2 k Ω (when plug-in power is turned ON)Approx.
	20 k Ω (when plug-in power is turned OFF)"• During LINE input Input level: -10 dBVInput
	impedance: Approx. 3 k Ω • 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 of
	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	Stand-alone (Desktop) or suspended (Hanging)*7
Pan/Tilt Operation Speed	Speed range: 0.08°/s to 60°/s (Normal mode)*8
	 3 speed modes installedNormal:60°/s, Fast1:90°/s, Fast2:180°/s
Panning Range	±175°
Filting 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	
	Windows® Internet Explorer® 11(32 bit / 64 bit)
	Microsoft Edge
	Google Chrome
Mac	Mac OS v11.0.1 / Safari 14.01
wac	
	Mac OS v11.0.1 / Google Chrome
	Mac OS v10.15 / Google Chrome
	Mac OS v10.14 / Google Chrome
Phone / iPad	iOS
	Safari
	iPadOS
Android	Android OS
	Google Chrome
IP Streaming	<u>-</u>
Image Resolution	1920×1080, 1280×720, 640×360, 320×180
Image Transmission setting (JPEG)	Frame rate: Maximum 30fpsImage quality (Fine / Normal)
	Frame rate: Maximum 30fpsImage quality (Fine / Normal) Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort
	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port
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Image Transmission Setting (H.264)	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 /
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Image Transmission Setting (H.264) Image Transmission Setting (H.265)	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 20480kbps / 24576kbps 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 / 1024kbps / 15288kbps / 14336kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 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 / 20480kbps / 24576kbps 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 / 1024kbps / 12288kbps / 14336kbps / 16384kbps /
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Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 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 / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch
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Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported protocol IPv6 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, NTSP/RTP, MPEG2-TS, DHCP, DNS, NTP, IGMP, ICMP, ARR RTMP, RTMPS, SRT
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Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Dutput Formats	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps AAC-LC, 48 kHz, 16 bit, 2 ch TCP/IP, UDP/IP, HTTP, HTTPS, NTSP/RTP, MPEG2-TS, DHCP, DNS, NTP, IGMP, ICMP, ARR RTMP, RTMPS, SRT
Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported protocol IPv6 Supported protocol IPv4 Dutput Formats Image Transmission Setting (High	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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
Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported Protocol IPv6 Supported protocol IPv6 Dutput Formats Image Transmission Setting (High Bandwidth NDI®)	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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
Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported Protocol IPv6 Supported protocol IPv6 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, ARI 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
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 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, ARI 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
Image Transmission Setting (H.264) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported Protocol IPv6 Supported protocol IPv6 Supported protocol IPv4 Dutput 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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 Supported*15
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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 Supported*15 ON/OFF control
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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 Supported*15 ON/OFF control Possible
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, AR 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 Supported*15 ON/OFF control Possible New Direct Drive System
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, ARI 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
Image Transmission Setting (H.264) Image Transmission Setting (H.265) 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] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, ARI 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 Supported*15 ON/OFF control Possible New Direct Drive System
Image Transmission setting (JPEG) Image Transmission Setting (H.264) Image Transmission Setting (H.265) Image Transmission Setting (H.265) Audio Compression Type Supported Protocol Supported Protocol JPv6 Supported Protocol JPv6 Power LED Tripod Screw Penetration Measures Pan/Tilt Mechanical Method Privacy Mode Image Stabilization Other Function Tally LED display color	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port 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 / 20480kbps / 24576kbps 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 / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 1024kbps / 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, ARI 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

*1:NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries. Discontinued Model

*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.

*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 and Support / PASS" for the latest information on browser support.

 $^{\rm *11:NDI}{\ensuremath{\mathbb S}}$ is a new protocol developed by NewTek, Inc. that supports IP video production 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 Full 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 HX version 2: Included as standard

NDI®*1 High Bandwidth: Included as standard*14 AAC-LC, 48 kHz, 2 ch