Panasonic CONNECT



4K PTZ Camera with simultaneous 3G-SDI, HDMI & USB output

AW-UE20

PTZ cameras play an increasingly important role in teleworking such as online meetings and online classes. The AW-UE20 offers high image quality, wide shooting angle and high-magnification zoom to provide more comfortable communication through high-quality video images and stable transmission. The AW-UE20 is compatible with a wide range of systems such as SDI, HDMI, USB and IP, thus allowing flexible camera setup and operation. The AW-UE20 is a high-quality entry model. The compact unit can be installed in a small place without getting in the way.

Key Features

4K PTZ Camera

Simultaneous 3G-SDI, HDMI & USB output

Compact size & wide angle

High-Quality Video Streaming for More Comfortable Online Communication

Excellent system flexiblility to achieve smart wiring and smooth operation



Panasonic CONNECT



AW-UE20

https://latam.connect.panasonic.com /br/pt/produtos/broadcast-proav/awue20

HD Camera Unit -> Output Format (HDM: -> 4K Input Connector -> DC IN Output Connector -> HDMI Output Connector -> AS-SDI OUT Input/Output Connector -> LAN Input/Output Connector -> RS-232C Input/Output Connector -> USB	[50Hz]1080/509, 1080/50i, 1080/25p, 720/50p [50Hz]1080/50p, 1080/60p, 1080/60i, 1080/30p, 720/60p [59.94Hz]2160/29.97p, 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz]2160/29.97p, 1080/50p, 1080/59, 720/50p DC 12 V IN HDMI Connector 4:4:4/8 bit • HDCP is not supported. • Viera Link is not supported. • Viera Link is not supported. • Level-A supported *2 LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T Mini DIN 8-pin (IN)/Mini DIN 8-pin (OUT) CONTROL IN RS422A (RJ-45) Type-C connector
Camera Unit -> Output Format (HDM -> 4K Input Connector -> DC IN Output Connector -> HDMI Output Connector -> 3G-SDI OUT Input/Output Connector -> LAN Input/Output Connector -> RS-232C	[50Hz]1080/50p, 1080/50i, 1080/25p, 720/50p D[60Hz]2160/30p, 1080/60p, 1080/60i, 1080/30p, 720/60p [59.94Hz]2160/29.97p, 1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p [50Hz]2160/25p, 1080/50p, 1080/50i, 1080/25p, 720/50p DC 12 V IN HDMI Connector 4:4:4/8 bit + HDCP is not supported. • Viera Link is not supported. • Viera Link is not supported. 75Ω BNC • Level-A supported *2 LAN terminal for IP control (R]-45) 100BASE-TX/1000BASE-T Mini DIN 8-pin ([N)/Mini DIN 8-pin (OUT)
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חט	
	[59.94Hz]1080/59.94p, 1080/59.94i, 1080/29.97p, 720/59.94p
•	>[60Hz]1080/60p, 1080/60i, 1080/30p, 720/60p
Variability	
Camera Unit -> Chroma Amount	11 steps (0 to 10)
Camera Unit -> White Balance	ATW, AWB A, AWB B, 3200K, 5600K
Camera Unit -> Synchro Scan -> 25p	50.0Hz to 570.1Hz
29.97p	
Camera Unit -> Synchro Scan ->	60.0Hz to 660.0Hz
50p/50i	
Camera Unit -> Synchro Scan ->	50.0Hz to 570.1Hz
59.94p/59.94i	
Camera Unit -> Synchro Scan ->	60.0Hz to 660.0Hz
	1/8000, 1/16000 [50Hz]
Speed -> Manual	1/8000, 1/16000 [60Hz/59.94Hz] 1/1, 1/2, 1/3, 1/6, 1/12, 1/25, 1/50, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000,
Camera Unit -> Electronic Shutter	1/1, 1/2, 1/3, 1/7, 1/15, 1/30, 1/60, 1/120, 1/240, 1/480, 1/1000, 1/2000, 1/4000,
Camera Unit -> Frame Mix	Auto, 0dB, 6dB, 12dB, 18dB, 24dB
Camera Unit -> Gain Selection	Auto, 0dB to 42dB *1
> HD	
Camera Unit -> Horizontal Resolution	-1,000 Typ (Center area)
> 4K	
Camera Unit -> Horizontal Resolution	
Camera Unit -> Minimum Illuminatio	n 0.4 lx (50IRE, Gain=42dB, Shutter Speed 1/30, IRIS=F1.6)
	Diagonal angle of view: 79.0° (wide) to 7.0° (tele)
	Vertical angle of view: 43.0° (wide) to 3.0° (tele)
Camera Unit -> Angle of View Range	Horizontal angle of view: 71.0° (wide) to 6.0° (tele)
Camera Unit -> Conversion Lens	Not supported
	35 mm equivalent: 26.4 mm to 316.4 mm]
	[f=3.9 mm to 46.8 mm;
Camera Unit -> Lens	Motorized Optical 12x zoom, F1.6 to F2.8
	• Max Digital Zoom: 2x, 3x, 4x
	• Digital extender zoom: 1.4x , 2x
	• i.Zoom UHD 1.33x, FHD 1.33x
Camera Unit -> Zoom	Optical zoom: 12x
Camera Unit -> Effective Pixels	Approx. 8,460,000 pixels
General -> Controller Supported Camera Unit -> Imaging Sensor	See the "Compatibility Chart for Operation Devices and Application Software" page 1/2.8-type 4K MOS x 1
	AW-UE20K: Black
General -> Finish	AW-UE20W: White
	(Excluding protrusions, cable cover, mounting bracket)
	(6.5 inches x 6.94 inches x 6.93 inches)
General -> Dimensions	W165.1 mm x H 176.2 mm x D 176.1 mm
General -> Weight	Approx. 1.9 kg (4.19lbs) (excluding ceiling mounting bracket)
General -> Storage Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Humidity	
Temperature General -> Ambient Operating	20 🗞 to 90 🔗 (no condensation)
General -> Ambient Operating	0 °C to 40 °C (32°F to 104°F)
General -> Current Consumption	1.3 A (Supplied AC adapter), 0.4 A (PoE+ power supply)
	IEEE802.3at compliant: DC42.5 to 57 V
General-> PoE	PoE+
	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
General -> Power Requirements	

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burning UK input burn		
Input Sec00 dBV (0 dB-1 VPa, 14H2) Compatible Plays in power. Supply volage: 2.5 V ± 0.5 V - Ouring UNE mput Public Plays in power. Supply volage: 2.5 V ± 0.5 V - Number of quantitation base. 15 dB to +12 dB G dB step) - Instruction of quantitation base. 15 dB to +12 dB G dB step) - Number of quantitation base. 15 dB to +12 dB G dB step) - Number of quantitation base. 15 dB to +12 dB G dB step) - Number of quantitation base. 15 dB to +12 dB G dB step) - Number of quantitation base. 16 dB step Part Head Unit -> Parona Base. 10 dB step - Number of quantitation base. 16 dB step in subperied Hanging) - Number of quantitation base. 16 dB step in subperied Hanging) - Number of quantitation base. 16 dB step in subperied Hanging) - Number of quantitation base. 16 dB step in subperied Hanging) - Number of quantitation base. 16 dB step in subperint 12 dD bit in the subperint 12 dD bit in the		5
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Input level. Approx10 dBV Visible input volume rage: -36 dits +12 dBC dB step) - inbedded audio output level12 dBC - input for quantization bits 16 bits Parcill Head Unit -> Bronnecting - Ling above, straight cable) Max 100 m G28 ft) - Cable - Typui dary Theo 300-extraight cable) Max 100 m G28 ft) - Typui dary Theo 300-extraight cable) Max 100 m G28 ft) - Typui dary Theo 300-extraight cable) Max 100 m G280 ft) - Typui dary Theo 300-extraight cable) Max 100 m G280 ft) - Typui dary Theo 300-extraight cable) Max 100 m G280 ft) - Typui dary Theo 300-extraight cable) Max 100 m G280 ft) - Typui dary Theo 300-extraight cable) Max 100 m G280 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 10 ft) - Typui dary Theo 300 ft (the 30 ft) - Typui dary Theo 300 ft (the 30 ft)		
- Variable input volume range.: 36 dB or 12 dB 0 dB step) - Simpling requency: 48 htts - Simpling req		
 ninberded addio output level - 12 dBTS nombol or quantization bits: 16 bits Number of quantization bits: 16 bits Pan-Uit Head Uith -> 17 connection Typu hore 2400 -> 4000 -> 40000 -> 4000 -> 4000 -> 4000 -> 40000 -> 4000 -> 40000 -> 4000		
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Par-dit Head Unit > IP commedia If you have a Pole + othermet hub LAH cable * 300000000000000000000000000000000000		
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Pan-dit Kead Unit. > XW protocol +LA Cable(category 5c or above, sraight cable) Max 1000 m (3280 ft) Pan-dit Kead Unit. > Sandard Mini Din 8-pin cable (male) Protocol Connecting Cable Xand-alone (Desktop) or suspended (Hanging) Mendod Manualo 1.1% to 100% Pan-dit Kead Unit. > Pan-dit Koperations Manualo 1.1% to 100% Pan-dit Head Unit. > Pan-dit Koperations Manualo 1.1% to 100% Pan-dit Head Unit. > Pan-dit Kead Unit. > Pan-dit Kead Unit. > Quiters NC40 or less (60 deg/sec or less) Supported Operating Systems and Windows 10 Windows 10 Windows 10 Windows 10 Mindows 10 Mindows 10 Windows 10 Mindows 10 Mindows 10 Mindows 10 Pisreaming > Image Transmission Mac CS v10.14 Mac CS v10.14 Mac CS v10.12 Safari Copole Crome Pisreaming > Image Tran		• If you don't have a PoE+ ethernet hub
connecting cable Protocol Prot		LAN cable *3
Pa-odt fixed Unit > Snatalator Protocol Connocing Cable Protocol Connocing Cable Protocol Connocing Cable Protocol Connocing Cable Protocol Connocing Cable Protocol Connocing Cable Pran-til Head Unit > Pan/til Operation Speed range: Matual: 0.11% to 100% Preset: 0.11% to 00% Preset: 0.11% to	Pan-tilt Head Unit -> AW protocol	• LAN cable(category 5e or above, straight cable) Max 1000 m (3280 ft)
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Speed Manuak D 17 yo to 100 Ys Practit Head Unit > Paning Range 170 *** Pan-dit Head Unit > Quietness 30° to 30° *5 Rancht Head Unit > Quietness NC40 or less (60 deg/sec or less) Supported Operating Systems and Windows® Internet Epiopren® 11 (32 bit / 64 bit) Microsoft Edge Google Chrome Google Chrome Supported Operating Systems Microsoft Edge Google Chrome Google Chrome Web Browsers > Mac ⁻⁷ Microsoft Edge Google Chrome Google Chrome Supported Operating Systems and Microsoft Edge Google Chrome Browsens > Mac ⁻⁷ MicroSoft Edge Google Chrome Supported Operating Systems Web Browsers > Mac ⁻⁷ MicroSoft Edge Browsenting > Image Resoluting (MPEG) 1280 × 720.0. 640 × 360 (H124/H26) Subtra (MJPEG) > Trame Bate (H1259 × H26) PS resaming > Image Tramsmission (Golf L/59.94H2) Setting (H26) > Frame Bate (H1259.94H2) PS resaming > Image Tramsmission (Golf L/59.94H2) Setting (H26) > Frame Bate (H157.95715 fps.3010° fo/50° fps		nSpeed range:
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Supported Operating Systems and Web Browsers -> Windows ^{*7} Windows® Internet Explorer® 11 (32 bit / 64 bit) Microsoft Edge Google Chrome Web Browsers -> Mac ^{*7} Mac OS VI 0.15 Mac OS VI 0.13 Mac OS VI 0.12 Safari Google Chrome IP Streaming -> Image Streaming MeE (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) Mode IP Streaming -> Image Resolution (MPEC) (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) Mode IP Streaming -> Image Resolution (IMPEC) 1280×720, 640×360 (H.264/H.265) 3840×2160, 1920×1080, 1280×720, 640×360 H.264/H.265) 3840×2160, 1920×1080, 1280×720, 640×360 H.264/H.265) 3840×2160, 1920×1080, 1280×720, 640×360 H.264/H.265) Setting (MPEC) -> Frame Rate IP Streaming -> Image Transmission Unspecified ^{*7} Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission (DH2/59,94Hz) Setting (H.264) -> Frame Rate HD: Sfps/10fps/25fps FHD: Sfps		
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Supported Operating Systems and Web Browsers -> Mac ¹⁷ Mac OS V10.15 Mac OS V10.13 Mac OS V10.13 Mac OS V10.12 Safari Google Chrome IP Streaming -> Image Streaming Mode MPEG (HTTP), H.246 (RTSP/RTMP/RTMPS), H.265 (RTSP) IP Streaming -> Image Resolution (H.264/H.265) 3840x2160, 1920x1080, 1280x720, 640x360 (H.264/H.265) 3840x2160, 1920x1080, 1280x720, 640x360 IP Streaming -> Image Transmission (MSG) -> Frame Rate Inspectified ¹⁷ IP Streaming -> Image Transmission Setting (M.PEG) -> Frame Rate Inspectified ¹⁷ IP Streaming -> Image Transmission Setting (M.PEG) -> Frame Rate Inspectified ¹⁷ IP Streaming -> Image Transmission Setting (M.PEG) -> Max Bit Rate Inspectified ¹⁷ Setting (H.264) -> Frame Rate HIS: Sfpx15fps/30fps/S60fps [50Hz] IP Streaming -> Image Transmission RSP/RTMP:1024kbps to 32768kbps RTMPS:1024kbps to 32768kbps Setting (H.265) -> Frame Rate RTMPS:1024kbps to 32768kbps IP Streaming -> Image Transmission RSP/RTMP:1024kbps to 32768kbps RTMPS:1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate RTMPS:1024kbps to 32768kbps IP Streaming -> Image Transmission ROHz/S59.4412] Setting (H.265) -> Max Bit Rate RTMPS:1024kbps to 32768kbps IP Streaming -> Image Transmission ROHz/S59.4412] IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTC		Microsoft Edge
Web Browsers -> Mac ¹² Mac OS v10.14 Mac OS v10.13 Mac OS v10.13 Mac OS v10.12 Safari Google Chrome IP Streaming -> Image Streaming Mode MPEG (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) IP Streaming -> Image Resolution IP Streaming -> Image Resolution IP Streaming -> Image Transmission Max 30fps (25fps) Max 03fps (25fps) Etting (MPEG) -> Frame Rate IP Streaming -> Image Transmission IP Streaming -> Image Transmission Max 30fps (25fps) Max 03fps (25fps) Etting (MPEG) -> Frame Rate Setting (MPEG) -> Frame Rate IP Streaming -> Image Transmission Max 30fps (25fps) Inspecified ⁷⁷ Setting (MPEG) -> Frame Rate Setting (MPEG) -> Max Bit Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Inspecified ⁷⁷ Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission RTSP/RTM:1024kbps to 32768kbp5 Setting (H.264) -> Max Bit Rate RTMPS:1016ps/25fps/50fps HD: 5fps/10fps/25fps/50fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps/50fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps/10fps/25fps HD: 5fps		Google Chrome
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Mac OS v10.12 Safari Google Chrome PP Sreaming -> Image Streaming Mode MIPEG (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) PS reaming -> Image Resolution (PS detailed in the streaming in the stream in the s	Web Browsers -> Mac ^{*7}	
Safari Google Chrome Google Chrome Mode MPEG (HTP), H.2.64 (RTSP/RTMP/RTMPS), H.2.65 (RTSP) IP Streaming -> Image Resolution (IP Streaming -> Image Transmission Setting (M/PEG) -> Frame Rate MMPEG (HTP), H.2.64 (RTSP/RTMP/RTMPS), H.2.65 (RTSP) IP Streaming -> Image Transmission Setting (M/PEG) -> Frame Rate Max 30 (ps (25 (ps)) IP Streaming -> Image Transmission Setting (M/PEG) -> Max Bit Rate INspecified *7 Setting (M/PEG) -> Max Bit Rate (50H:/59.94Hz) Setting (M/PEG) -> Max Bit Rate (50H:/59.730 (ps/60 (ps (50Hz) - 44:.5 (ps/15 (ps/30 (ps/60 (ps (50Hz) - 44:.5 (ps/10 (ps/25 (ps/50 (ps (50Hz)		
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Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Max 30Fps (25 fps) Setting (MJPEG) -> Frame Rate IP Streaming -> Image Transmission INspecified ^{*7} Setting (MJPEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission KTSP/KTMP:1024kbps to 32768kbps Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission KTSP/KTMP:1024kbps to 32768kbps IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (60Hz/59.94Hz) Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (24kbps to 32768kbps Setting (MJEG) -> Frame Rate IP Streaming -> Image Transmission (24kbps to 32768kbps Setting (MJEG) -> Image Transmission (25kbps camera -> Image output VUV (Uncompressed), MJPEG, HJEA, HTP, RTSP, RTP, RTP/RTCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IPV4 USB web camera -> Image output VUV (Uncompressed), MJPEG, HJEA,		
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Setting (H.264) -> Frame Rate 4K: 5fps/15fps/30fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps Setting (H.264) -> Max Bit Rate RTMPS:1024kbps to 32768kbps Setting (H.265) -> Frame Rate 4K: 5fps/15fps/30fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps		
FHD: Sfps/13fps/30fps/60fps [S0Hz] 4K: Sfps/10fps/25fps FHD: Sfps/10fps/25fps FHD: Sfps/10fps/25fps Setting (H.264) -> Max Bit Rate RTMPS:1024kbps to 32768kbps Setting (H.265) -> Frame Rate 4K: Sfps/15fps/30fps FHD: Sfps/15fps/30fps FHD: Sfps/15fps/30fps FHD: Sfps/15fps/30fps FHD: Sfps/15fps/30fps FHD: Sfps/15fps/30fps/60fps FHD: Sfps/15fps/30fps/60fps FHD: Sfps/15fps/30fps/60fps FHD: Sfps/15fps/30fps/60fps FHD: Sfps/10fps/25fps FHD: Sfps/10fps/25fps FHD: Sfps/10fps/25fps/50fps IP Streaming -> Image Transmission 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps IP Streaming -> Audio Compression AC-LC, 48kHz/16bit/2ch Format 1024kbps to 32768kbps IP Streaming -> Supported Protocol-> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP IPv6 1024kbps to 32768, MJPEG, H.264 USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> VUV 1058 web camera -> Image resolution 3840x2160, 1920x1080, 1280x720		
[50Hz]4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps/50fpsIP Streaming -> Image TransmissionRTSP/RTMP:1024kbps to 32768kbpsSetting (H.264) -> Max Bit RateRTMPS:1024kbps to 32768kbpsIP Streaming -> Image Transmission[60Hz/59.94Hz]Setting (H.265) -> Frame Rate4K: 5fps/15fps/30fpsFHD: 5fps/10fps/25fpsFHD: 5fps/10	Setting (H.264) -> Frame Rate	
Ak: Sfps/10fps/25fps FHD: Sfps/10fps/25fps/50fps IP Streaming -> Image Transmission RTMPS:1024kbps to 32768kbps Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission [60Hz/59.94Hz] Setting (H.265) -> Frame Rate 4K: 5fps/15fps/30fps FHD: 5fps/15fps/30fps/60fps [50Hz] 4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps FFD: Sfps/10fps/25fps FFD: Sfps/10fps/25		FHD: 5fps/15fps/30fps/60fps
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IP Streaming -> Image Transmission RTSP/RTMP:1024kbps to 32768kbps Setting (H.264) -> Max Bit Rate RTMPS:1024kbps to 8192kbps IP Streaming -> Image Transmission [60Hz/59.94Hz] 4k: 5fps/15fps/30fps FHD: 5fps/15fps/30fps FHD: 5fps/15fps/30fps/55fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FP Streaming -> Audio Compression AAC-LC, 48kHz/16bit/2ch FP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IPv4 USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image resolution 640x360 -> -> YUV UV (Uncompressed), MJPEG, H.264 ->		
Setting (H.264) -> Max Bit Rate RTMPS:1024kbps to 8192kbps IP Streaming -> Image Transmission [60Hz/59.94Hz] Setting (H.265) -> Frame Rate 4K: 5fps/10fps/20fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps FFD: 5fps/10fps/25fps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps FFD: 5fps/10fps/25fps FFD: 5fps/10fps FFD: 5fps FFD: 5fps FFD		
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Setting (H.265) -> Frame Rate 4K: 5fps/15fps/30fps FHD: 5fps/15fps/30fps/60fps [50Hz] 4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps/50fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fp	-	
FHD: 5fps/15fps/30fps/60fps [50Hz] 4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fpsIP Streaming -> Image Transmission1024kbps to 32768kbpsSetting (H.265) -> Max Bit RateAAC-LC, 48kHz/16bit/2chFormatAAC-LC, 48kHz/16bit/2chIP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTPIPv6USB Web camera -> Image outputUSB Video Class Ver1.1USB web camera -> Image outputUSB Video Class Ver1.1USB web camera -> Image resolution640x360-> YUVUSB web camera -> Image resolution840x2160, 1920x1080, 1280x720, 640x360USB web camera -> Image resolution3840x2160, 1920x1080, 1280x720, 640x360-> MJPEGUSB web camera -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJSB web camera -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJPEGImage resolution840x2160, 1920x1080, 1280x720, 640x360-> H.264Image resolution840x2160, 1920x1080, 1280x720, 640x360		
[50Hz]4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps/50fpsIP Streaming -> Image Transmission1024kbps to 32768kbpsSetting (H.265) -> Max Bit RateIP Streaming -> Audio CompressionAAC-LC, 48kHz/16bit/2chFormatIP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTPIPv6USB Video Class Ver1.1USB web camera -> Image outputUSB Video Class Ver1.1USB web camera -> Image resolution640x360-> YUV3840x2160, 1920x1080, 1280x720, 640x360-> MJPEG3840x2160, 1920x1080, 1280x720, 640x360USB web camera -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJPEGIB Streaming -> Image resolutionUSB web camera -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJPEGIB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJPEGIB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> MJPEGIB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> H.264IB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> H.264IB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360-> H.264IB Streaming -> Image resolutionIB Streaming -> Image resolution840x2160, 1920x1080, 1280x720, 640x360<	secting (11.205) -> Frame Rate	
4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps FHD: 5fps/10fps/25fps/50fps IP Streaming -> Image Transmission 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate IP Streaming -> Audio Compression Format IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DNC, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNC, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image resolution 640x360 -> YUV Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image resolution 640x360 -> MJPEG 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG Streaming -> Image resolution <t< td=""><td></td><td></td></t<>		
FHD: 5fps/10fps/25fps/50fps IP Streaming -> Image Transmission 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate 1024kbps to 32768kbps IP Streaming -> Audio Compression AAC-LC, 48kHz/16bit/2ch Format AAC-LC, 48kHz/16bit/2ch IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DHCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IVSB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image resolution 640x360 -> YUV Streaming -> Supported Protocol -> Streaming -> Supported Protocol -> 1020x1080, 1280x720, 640x360 -> MJPEG Streaming -> Image resolution USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 Streaming -> Image USB web camera -> Image [60Hz/59.94Hz]:15fps		
IP Streaming -> Image Transmission 1024kbps to 32768kbps Setting (H.265) -> Max Bit Rate AAC-LC, 48kHz/16bit/2ch IP Streaming -> Audio Compression AAC-LC, 48kHz/16bit/2ch Format Format IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Image output USB Video Class Ver1.1 USB web camera -> Image output VUV (Uncompressed), MJPEG, H.264 USB web camera -> Image resolution 640x360 -> YUV Streaming -> Image resolution USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG Streaming -> Image resolution USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 [60Hz/59.94Hz]:15fps		
IP Streaming -> Audio Compression AAC-LC, 48kHz/16bit/2ch Format IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNC, DNC, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Image output USB Video Class Ver1.1 USB web camera -> Image resolution 640x360 -> YUV Step camera -> Image resolution USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 ISB web camera -> Image USB web camera -> Image [60Hz/59.94Hz]:15fps		
IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IP Streaming -> Image output USB Video Class Ver1.1 USB web camera -> Image output YUV (Uncompressed), MJPEG, H.264 USB web camera -> Image resolution 640x360 -> YUV 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 [60Hz/59.94Hz]:15fps	-	AAC-LC, 48kHz/16bit/2ch
IP v6 IP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP IPv4 USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image output YUV (Uncompressed), MJPEG, H.264 type USB web camera -> Image resolution 640x360 -> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps		TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP
IPv4 USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image output YUV (Uncompressed), MJPEG, H.264 type USB web camera -> Image resolution 640x360 -> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps	• • •	•
USB web camera -> Image output USB Video Class Ver1.1 USB web camera -> Image output VU (Uncompressed), MJPEG, H.264 VUV (Uncompressed), MJPEG, H.264 USB web camera -> Image resolution 640x360 -> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps	• • •	TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS, NTP
USB web camera -> Image output YUV (Uncompressed), MJPEG, H.264 type USB web camera -> Image resolution 640x360 -> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps		USB Video Class Ver1.1
type USB web camera -> Image resolution 640x360 -> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps		
-> YUV USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps	type	
-> MJPEG USB web camera -> Image resolution 3840x2160, 1920x1080, 1280x720, 640x360 -> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps	-	040300
-> H.264 USB web camera -> Image [60Hz/59.94Hz]:15fps		3840x2160, 1920x1080, 1280x720, 640x360
USB web camera -> Image [60Hz/59.94Hz]:15fps	-	
CONTRACTOR DECEMBER OF TAXABLE FOR TAXAB	-> MJPEG USB web camera -> Image resolution	3840x2160, 1920x1080, 1280x720, 640x360

USB web camera -> Image	[60Hz/59.94Hz]
Transmission Setting (frame rate) ->	4K: 5fps
MJPEG	FHD: 5fps, 15fps, 30fps
	[50Hz]
	4K: 5fps
	FHD: 5fps 10fps, 25fps
USB web camera -> Image	[60Hz/59.94Hz]
Transmission Setting (frame rate) ->	4K: 5fps, 15fps, 30fps
H.264	FHD: 5fps, 15fps, 30fps, 60fps
	[50Hz]
	4K: 5fps, 10fps, 25fps
	FHD: 5fps, 10fps, 25fps, 50fps
USB web camera -> Audio Output	USB Audio Class Ver1.0
USB web camera -> Audio	Linear PCM, 48KHz/16bit/2ch
Compression Format	
Footnote Description	1. Can be set in 3 dB step increments.
	2. Embedded audio is not supported.
	3. STP (Shielded Twisted Pair) is recommended.

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4. To ensure safety, the unit must be secured using the mount bracket supplied.

The main unit may appear in the video depending on the pan/tilt position.
 Supported OS indicated are for browsers current as of September 2021. SeeService and Support / PASS" for the latest information on browser support.
 JPEG and H.264, H.265 simultaneous operation is possible.