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 /mx/es/productos/broadcast-yproav/aw-ue20

Camera Unit -> Synchro Scan -> 29.97p Camera Unit -> Synchro Scan -> 25p Camera Unit -> White Balance Camera Unit -> Chroma Amount Variability Camera Unit -> Output Format (SDI) - HD	50.0Hz to 570.1Hz ATW, AWB A, AWB B, 3200K, 5600K 11 steps (0 to 10) >[60Hz]1080/60p, 1080/60i, 1080/30p, 720/60p [59.94Hz]1080/59,94p, 1080/59,94i, 1080/29.97p, 720/59.94p [50Hz]1080/50p, 1080/60p, 1080/60j, 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. • Viera Link is not supported. • Level-A supported ^{*2} LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T Mini DIN 8-pin ([NJ/Mini DIN 8-pin (OUT) CONTROL IN RS422A (RJ-45)
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Camera Unit -> Synchro Scan -> 29.97p Camera Unit -> Synchro Scan -> 25p Camera Unit -> White Balance Camera Unit -> Chroma Amount	ATW, AWB A, AWB B, 3200K, 5600K
Camera Unit -> Synchro Scan -> 29.97p Camera Unit -> Synchro Scan -> 25p Camera Unit -> White Balance	ATW, AWB A, AWB B, 3200K, 5600K
Camera Unit -> Synchro Scan -> 29.97p	50.0Hz to 570.1Hz
Camera Unit -> Synchro Scan -> 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, 1/8000, 1/16000 [60H2/50 04H2]
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	-1,400 Typ (Center area)
Camera Unit -> Minimum Illumination	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)
- 2	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
Camera Unit -> Imaging Sensor	1/2.8-type 4K MOS x 1
General -> Controller Supported	See the "Compatibility Chart for Operation Devices and Application Software" page
	AW-UE20K: Black
General -> Finish	(Excluding protrusions, cable cover, mounting bracket) AW-UE20W: White
	(6.5 inches x 6.94 inches x 6.93 inches)
General -> Dimensions	W 165.1 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	
General -> Ambient Operating	20 🚸 to 90 🚸 (no condensation)
Temperature	
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)
	PoE+ IEEE802.3at compliant: DC42.5 to 57 V
General -> Power Requirements General -> PoE	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)

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burning UK input burn	Input	
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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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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)
Proteol Connecting Cable Practic Head Unit > Installation Method Practic Head Unit > Pan/Ult Operation Speed Practic Head Unit > Pan/Ult Operation Speed Practic Head Unit > Pan/Ult Operation Practic Head Unit > Pan/Ult Operation Practic Head Unit > Pan/Ult Read Unit > Timing range Practic Head Unit > Timing range Practic Head Unit > Timing range Practic Head Unit > Outeness NC40 or less (60 deg/sec or less) Supported Operating Systems and Mac OS VID.15 Mac OS VID.14 Mac OS VID.14 Mac OS VID.12 Safar Google Chrome MPE Google Chrome MPE Go Chrome MPE Go (HPEG) 1280 × 720, 640 × 360 (H2 def/adA65) 3840 × 2160, 1920 × 1080, 1280 × 720, 640 × 360 (H2 def/adA65) 3840 × 2160, 1920 × 1080, 1280 × 720, 640 × 360 HP Streaming -> Image Transmission (INPEG) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps Setting (H2 G5) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps Setting (H2 G5) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps Setting (H2 G5) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps Setting (H2 G5) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps Setting (H2 G5) -> Frame Rate HP Streaming -> Image Transmission (G0H2/59,94Hz) Ket Sipuri Ofby:25 fps: 30fps	connecting cable	
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Method Manu2: 0.17% to 100% Speed Manu2: 0.17% to 200% (fit to 140%) Pan-dit Head Unit -> Panning Range 170° Pan-dit Head Unit -> Tiling range 730° to 30° 5 Pan-dit Head Unit -> Quistness NC40 or less (60 deg/sec or less) Supported Operating System and Windows® Internet Explorer® 11 (32 bit / 64 bit) Microsoft Edge Google Chrome Supported Operating Systems and Mac OS v10.15 Mac OS v10.13 Mac OS v10.14 Mac OS v10.13 Mac OS v10.14 Mac OS v10.13 Mac OS v10.13 Mac OS v10.13 Mac OS v10.13 Mac OS v10.14 Mac OS v10.13 Mac OS v10.13 Mac OS v10.14 Mac OS v10.14 Mac OS v10.13 Mac OS v10.13 Mac OS v10.14 Mac OS v10.14 Mac OS v10.14 Mac OS v10.15 Mac OS v10.14 Mac OS v10.14 Mac OS v10.14 Mac OS v10.15 Mac OS v10.14 Mac OS v10.16 Mac OS v10.14 Mac OS v10.16 Mac OS v10.14 Mode MIPEGI PE steaming > Image Tra	Protocol Connecting Cable	
Pan-dit Head Unit -> Pan/dit OperationSpeed ange: Manuel: 0.11/9 to 1001/9 Speed Manuel: 0.11/9 to 1001/9 Pan-dit Head Unit -> Panning Range a10° to 0001/9 (filt: to 140 //9) Pan-dit Head Unit -> Outeress NC40 or less (60 deg/sec or less) Supported Operating Systems and Windows 10 Web Browsers -> Windows* Windows 10 Marcos 10 begrate or less) Marcos 100 eg/sec or less) Supported Operating Systems and Windows 10 Web Browsers -> Mindows* Marcos 10.15 Marcos 10.15 Marcos 10.13 Marcos 10.13 Marcos 10.13 Marcos 10.12 Safari Google Chrome Safari PS reaming -> Image Resolution [MJPEG] PF reaming -> Image Transmission Marcos 10.12 Safari Google Chrome PS reaming -> Image Transmission Marcos 11.280×720, 640×360 PF straaming -> Image Transmission Marcos 10.120×1080, 1280×720, 640×360 PF straaming -> Image Transmission Marcos 1016/250/95 Setting (H.264) -> Frame Rate PF Straaming -> Image Transmission PF streaming -> Image Transmission ISSP/15		Stand-alone (Desktop) or suspended (Hanging)
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 (MPEG) PF seaming > Image Tramsmission (Golf/FS9.34/H2) PF seaming > Image Tramsmission (Golf/FS9.34/H2) PF seaming > Image Tramsmission (Golf/FS9.34/H2) PF seaming > Image Tramsmissing (Golf/FS9.34/H2)		nSpeed range:
Preset 0.11% to 200% (Tilt: to 140%) Pan-tilt Head Unit-> Tatking range -30° to 90° *5 Pan-tilt Head Unit-> Tatking range -30° to 90° *5 Pan-tilt Head Unit-> Tatking range -30° to 90° *5 Pan-tilt Head Unit-> Tatking range -30° to 90° *5 Stapported Operating Systems and Web Browsers -> Windows ¹⁷ Windows 0 Microsoft Edge Google Chrome Stapported Operating Systems and Mac OS v10.13 Mac OS v10.13 Mac OS v10.13 Mac OS v10.12 Safari Microsoft Edge P Streaming -> Image Streaming MIPE (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) Microsoft Edge P Streaming -> Image Streaming MIPE (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) Microsoft Edge P Streaming -> Image Transmission IMspecified *7 State (MTP) State (MTP) Microsoft Edge/Spi Softps State (MTP) P Streaming -> Image Transmission Inspecified *7 State (MTP) State (MTP) Microsoft Edge/Spi Softps State (MTP) P Streaming -> Image Transmission Inspecified *7 State (MTP) State (MTP) Microsoft Edge/Spi Softps State (MTP) P Streaming -> Image Transmission Inspecified *7 State (ML264) -> Frame Rate <td>-</td> <td></td>	-	
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Pan-tilt Head Unit -> Quietness NC43 or less (60 deg/sec or less) Supported Operating Systems and Web Browsers -> Windows 10 Windows 10 Windows 10 Windows 10 Web Browsers -> Windows 7 Windows 10 Supported Operating Systems and Web Browsers -> Mac ⁷⁷ Mac Os/10.15 Supported Operating Systems and Web Browsers -> Mac ⁷⁷ Mac Os/10.13 Mac Os/10.13 Mac Os/10.13 Mac Os/10.12 Safari Google Chrome Coogle Chrome IP Streaming -> Image Streaming Mode IMPEC (HTP), H.264 (RISP/RTMP/RIMPS), H.265 (RTSP) Processory Mac Os/10.12 Safari Coogle Chrome IP Streaming -> Image Transmission IMPEC (HTP), H.264 (RISP/RTMP/RIMPS), H.265 (RTSP) Mode Mac Os/10.1280-720, 640+360 IP Streaming -> Image Transmission ISOPEC/IFO (HTP), H.264 (RISP/RTMP/RIMPS), H.265 (RTSP) Setting (H.264) -> Frame Rate ISOPEC/IFO (HTP), H.264 (RISP/RTMP/RIMPS), H.265 (RTSP) PS Streaming -> Image Transmission ISOPEC/IFO (HTP), H.216 (-30° to 90° ^{*5}
Sopported Operating System and Web Browsers -> Windows 7 Windows 10 Windows 0 Windows 0 Windows 0 Sopported Operating System and Windows 0 Windows 0 Supported Operating Systems and Web Browsers -> Mac ⁷⁷ Mindows 0 Mindows 0 Windows 0 Mindows 0 Mindows 0 Mindows 0 Supported Operating Systems and Web Browsers -> Mac ⁷⁷ Mindows 0 Mindows 0 Mindows 0 Windows 0 Mindows 0 Mindows 0 Mindows 0 Mindows 0 Web Browsers -> Mac ⁷⁷ Mindows 0 Mindows 0 Mindows 0 Mindows 0 Web Browsers -> Mac ⁷⁷ Mindows 0 Mindows 0 Mindows 0 Mindows 0 Web Browsers -> Image Streaming Setting (MIPEO) -> Image Transmission Mindows 0 Mindows 0 Mindows 0 IP Streaming -> Image Transmission Io01/J59.94Hz] String (MIPEO) -> Frame Rate HD: 55pr10/ps/25pr30/ps HD: 55pr30/ps/25pr30/ps PB Streaming -> Image Transmission Io01/J29.94Hz] String (H.265) -> Frame Rate HD: 55pr30/ps/25pr30/ps HD: 55pr30/ps/25pr30/ps PB Streaming -> Image Transmission Io01/J29.94Hz] Strips/10/ps/25/ps/20/ps <t< td=""><td></td><td>NC40 or less (60 deg/sec or less)</td></t<>		NC40 or less (60 deg/sec or less)
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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Google Chrome Supported Operating Systems and Mac OS VI0.15 Mac OS VI0.12 Safari Mac OS VI0.12 Safari Google Chrome IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution (H260 + V10, 1200 + 120		Windows® Internet Explorer® 11 (32 bit / 64 bit)
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
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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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1280x720, 640×360 [1.264/H.265] 3840×2160, 1280×720, 640×360IP Streaming -> Image TransmissionMax 30fps (25fps)Setting (MJPEG) -> Frame RateUnspecified *7IP Streaming -> Image Transmission[60Hz/59,94Hz]Setting (MJPEG) -> Frame RateK: 5fps/15fps/30fps (FMD: 5fps/15fps/30fps/60fps [50Hz]IP Streaming -> Image Transmission[60Hz/59,94Hz]Setting (H.264) -> Frame RateHD: 5fps/15fps/30fps/60fps [50Hz]IP Streaming -> Image Transmission[60Hz/59,94Hz]Setting (H.264) -> Frame RateRTMPS/1024kbps to 32768kbpsIP Streaming -> Image Transmission[60Hz/59,94Hz]Setting (H.265) -> Frame RateRTMPS/1024kbps to 32768kbpsB Streaming -> Image Transmission[60Hz/59,94Hz]Setting (H.265) -> Frame RateAK: 5fps/10fps/25fps/50fps [50Hz]P Streaming -> Image Transmission[10Hz/59,94Hz]Setting (H.265) -> Frame RateAK: 5fps/10fps/25fps/50fps [50Hz]P Streaming -> Image Transmission1024kbps to 32768kbpsSetting (H.265) -> Max Bit Rate1024kbps to 32768kbpsP Streaming -> Image Transmission1024kbps to 32768kbpsSetting (H.265) -> Max Bit Rate1024kbps to 32768kbpsP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTPIP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTPIP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMP, ARP, RTMP, RTMPS, NTPIP Streaming -> Supported Protocol -> TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6, NTP </td <td></td> <td>[MIPEG]</td>		[MIPEG]
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IP Streaming -> Image Transmission Max 30fps (25fps) Setting (MJPEG) -> Frame Rate Unspecified *7 IP Streaming -> Image Transmission [60Hz/59.94Hz] Retting (H,264) -> Frame Rate 4K: 5fps/15fps/30fps [50Hz] 4K: 5fps/10fps/25fps [FD: 5fps/10fps/25fps/50fps [50Hz] RtSP/RTMP1024kbps to 32768kbps RTMP51024kbps to 32768kbps Setting (H,264) -> Max Bit Rate RTMP51024kbps to 32768kbps IP Streaming -> Image Transmission RTSP/RTMP1024kbps to 32768kbps Setting (H,264) -> Max Bit Rate RTMP51024kbps to 32768kbps IP Streaming -> Image Transmission RTSP/RTMP1024kbps to 32768kbps Setting (H,265) -> Frame Rate AC/259/30fps/60fps [50Hz] 4K: 5fps/10fps/25fps/30fps/60fps [50Hz] 4K: 5fps/10fps/25fps/50fps IP Streaming -> Image Transmission 1024kbps to 32768kbps Setting (H,265) -> Frame Rate 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 USB Web camera -> Image output USB Web camera -> Image output USB web camera -> Image resolution 340x2160, 1920x1080, 1280x720, 640x36		[H.264/H.265]
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FHD: 5fps/10fps/25fps/50fps IP Streaming -> Image Transmission RTSP/RTMP:1024kbps to 32768kbps Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission (Ghz/59.94Hz) Setting (H.265) -> Frame Rate 4K: 5fps/10fps/25fps FHD: 5fps/10fps/25fps/30fps (FHD: 5fps/10fps/25fps/30fps (FHD: 5fps/10fps/25fps/30fps FHD: 5fps/10fps/25fps/30fps FHD: 5fps/10fps/25fps/30fps FHD: 5fps/10fps/25fps/50fps FHD: 5fps/10fps/25fps/50fp		
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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	-	
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[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.