Video Conference
Endpoints with inbuilt MCU

Full HD Video Conferencing Camera with In-Built USB Recording

HTVC-5 Endpoint with MCU is plug & play device, a single USB cable feeding video, control and power. With 12x optical zoom, it is ideal for video/virtual conferencing solution.

Product Specifications:

Special Features

Built-in MCU supports USB microphone, Wifi, Dual Codec 1080p @ 60 fps, Wireless Connectivity using Wifi, Support web-based conference management, Support Streaming and USB Based Recording, Supports AES-256 Encryption, Support Multi device i.e. Laptop, Tab, Mobile, Audio associated with presentation, Support Timing power on and power off, Support Automatic standby and wake up on incoming call, Support Remote Control.

Model: HTVC-5 Endpoint with MCU

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Full HD Video Conferencing Camera	
Type of Camera	PTZ (CMOS Sensor 1/2.7")
Lens Focal Length	3.5mm~42.3mm, F1.8~F2.8
Pixels	2.07M
Scanning	Progressive
Shutter Speed	1/30s~1/10000s
Backlight Compensation	Available
Optical Zoom/Digital Zoom	12X/16X
Signal/Noise Ratio	≥55dB
Illumination	0.5Lux at F1.8, Automatic Gain Control ON
Digital Noise Reduction	2D and 3D
Field of View	80.1 degrees
Horizontal/Vertical Rotation Range	±170 degrees H/-30 degrees~90 degrees
Pan Speed Range	1.7 degrees ~ 100 degrees per second
Tilt Speed Range	1.7 degrees~69.9 degrees per second
Number of Presets	255
Image Freeze	Available
Preset Accuracy	0.1 degrees
Face Detection	Available
Local Storage	Available
White Balance	Automatic, Indoor, Outdoor, One Push and Manual
Horizontal and Vertical Image Flip	Available
Video Resolution	HD: 1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25, 640x480p/240 SD: 480i, 576i
Resolution	Ultra HD up to 4K at 30fps/23fps encoding output. Compatible with 1080p and 720p.
Video Output	Supports HDMI that can directly display non-compressed Ultra HD video
Remote Control	High Speed Communication via remote control

Input/Output	
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
HD Output	1xHDMI v1.3 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
SD Output	1xCVBS: 3.5mm mini jack, 1Vp-p, 75Ω
USB	USB 2.0 Type A x 1
Network	1xRJ45: 10M/100M Ethernet Interface
Power	JEITA (DC IN 12V)
Communication	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P

IPC Features	
Video Compression	H.265/H.264 / MJEPG
Video Stream	Main Stream; Sub Stream
Main Stream Resolution	1920x1080, 1280x720, 1024x576
Sub Stream Resolution	720x576, 720x480, 320x240
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Video Bit Rate	32Kbps ~ 20480Kbps
Audio Compression	AAC
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Supported Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Physical Attributes	
Electrical	Power consumption: 12W Input Voltage: DC 12V
Environmental	Operating temperature: -10 degrees C ~ 40 degrees C Storage Temperature: -40 degrees C~60 degrees C
Current Consumption	1.0A
Dimensions	16.9cm x 14.2cm x 16.4cm
Weight	3.0lb

VC Camera (1+5) Participants

Video Features	
Video Resolution for Main Screen	3840x2160(60FPS), 3840x2160(30FPS), 1920x1080(60FPS), 1920x1080(30FPS), 1280x720(60FPS), 1024x720(60FPS)
Dual Stream	Video (1080p) + Content sharing (1080p)
Content Video Resolution	1920x1080(60FPS), 1920x1080(30FPS), 1280x720(60FPS), 1024x720(60FPS)
Image Layout	Picture in Picture, Dual Screen, Single Screen and Multi-Screen

Audio Features	
Features	a) AEC (Acoustic Echo Cancellation) b) AGC (Automatic Gain Control) c) ANS (Acoustic Noise Suppression) d) Music Mode e) WebRTC Mode H.265/H.264 / MJEPG

Protocols	
Video Protocols	H.261, H.263, H.263+, H.264, H.264 High Profile, H.265
Call Protocols	H.323, SIP, VCS
Network Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, NAT, NTP, UDP
Audio Protocols and Standards	G.711-ALaw, G.711-ULaw, G.722, G.722.1-24K, G.722.1-32K, G.722.1C-24K, G.722.1C-32K, G.722.1C-48K OPUS 16KHz, OPUS 24KHz, OPUS 48KHz

Dual Stream Protocol	H.239
Other Standards	H.235, H.245

Application Features	
Recording	Full HD USB Recording
Encryption	AES-256 Encryption
Codec	Dual Codec 1080p @ 60fps
Wireless Connectivity	Wi-Fi connectivity
Wireless Remote Control	2.4G Wireless Remote Control
Other Features	- Enable touch screen via USB - Windows, Android & iOS application - Asymmetric bandwidth - Supports DNS SRV - Schedule conferences on Calendar - Supports Same View - Get static NAT address automatically - Get Dual Video output via HDMI - Multiple Layout available - Audio with presentation - Automatic Wakeup/Standby & Power On/Off - Address Book on Network - Built-in MCU - Web Conference Management - Supports USB microphone - Upgrade remotely on network

Interface Features	
USB	2x USB2.0 (USB Microphone and Flash Drive)
Communication	RS232 x 1
Audio In	1x Line In Jack, 1x Microphone-In
Audio Out	1x Line-Out Jack, 1x HDMI Audio Output
Network	RJ45 x 1: 10/100/1000 Base-T
Video Input	3 x HDMI (2 HDMI x Camera & 1 HDMI x content sharing)
Video Output	2 x HDMI
Power Adaptor	12V/2.5A
Power Button	Given on the front panel
Display Size	5.5cm x 1.5cm

Security Features	
Security	H.235 (AES) signaling and media stream encryption, administrator password, SSH/HTTPS
Firewall	H.460, ICE
Network	FEC (Forward Error Correction) Eliminate Mosaic, ARQ (Automatic Repeat-request), IFC (Intelligent flow control), APD (Automatic port detection)

Bandwidth	
Bandwidth	64kbps~8mbps

Physical Characteristics	
Working Requirements	Working Voltage: 100V ~ 240V Working Frequency: 50Hz/60Hz Power consumption: 20W
Operating Temperature/Humidity	Operating temperature: 0°C to 40ºC Operating humidity: 10% to 80% Non-Operating temperature: -40º to 55ºC Non-Operating humidity (non-condensing): 0% to 95%

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