

# Video Conference Endpoints with inbuilt MCU

Built in HD Camera – 30 FPS – 1080p Video System



HTVC-20 Endpoint with MCU is plug & play device, a single USB cable feeding video, control and power. With 20x optical zoom, it is ideal for video/virtual conferencing solution.

**hugo**  
TECHNO

Model: HTVC-20 Endpoint with MCU

**Product Specifications:**

Special Features
Built-in MCU to simultaneously connect (1+3) locations, connect 1+3 Endpoints simultaneously, Support USB microphone, Support Wifi, Supports Dual Codec 1080p @ 30 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: H.224, H.281, Automatically get static NAT address, Support Network address book, Support DNS SRV, Support SDK API, Support Built-in VPN, Support PIP: 1/16 picture size, optional position, Split output: Bi-screen display, Support Incoming call password, Support Asymmetric bandwidth

Type of Camera	PTZ (CMOS Sensor)
Optical Zoom	20X
Resolution	1080p 30fps
Content Video Resolution	Input: VGA (640x480), SVGA (800x600), XGA(1024x768), WXGA(1280x768), WXGA (1280x800), 1280x960, SXGA(1280x1024), 1360x768, 1366x768, 1440x900, XGA+(1400x1050), 1600x900, 1600x1200, 1680x1050, 1080p(1920x1080) Coding/Decoding Resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920 x 1080; Output:800x600, 1024x768, 1280 x 1024, 1280x720, 1920x1080
Focus Arrangement	Manual/Automatic
Brightness Adjustment	Manual/Automatic
White Balance	Manual/Automatic
Built-in-HD Camera	Sensor: 2.07 million effective pixels, 1/2.7 inch CMOS horizontal, Input: 1080P, viewing angle: 72.5 degrees, PTZ: horizontal +/-170 degrees, vertical -30 +90 degrees, Supports auto white balance, auto exposure, auto focus Support remote camera control Support mirror/flip
Camera positioning system	10 Presets
Other Video Features	PiP (Picture in Picture), PoP (Picture outside Picture)
Video Standards and Protocols	H.264, H.261, H.263, H.263+, H.263++
Audio Standards and Protocols	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.723.1, G.726, SILK
Dual Stream	ITU-T H.239, BFCP
Other Standards	H.221, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Standards and Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP
Audio Features	AEC (Acoustic Echo Cancellation), AGC (Automatic Gain Control), ANS (Acoustic Noise Suppression), Lip synchronization
Network	FEC (Forward Error Correction), ARQ (Automatic Repeat-reQuest) etc.
Security	H.235 (AES) Signal and media stream encryption Administrator password, SSH/HTTPS

Firewall Traversal	H.460.18/19, H.460.23/24, ICE
Bandwidth IP	64kbps 8Mbps
Video Input	HDMI x 1, Built-in Camera
Video Output	HDMI x 2
Communication Interface	Rs232 In x 1: 3 pin Phoenix Jack
USB Interface	USB2.0 x 2 Host (support USB flash disk, USB microphone etc.)
Audio Input	3.5 mm line-in jack, 3.5mm mic-in jack
Audio Output	3.5 mm line-out jack, HDMI audio output
Ethernet Port	RJ45 x 1
Approval and Compliance	1000 local address book, LDAP/Network address book, H.350
Working voltage	AC 100V 240V, DC 12V
Working frequency	50/60Hz
Power consumption	18W Max
Operating temperature	-10 degree C to 40 degree C
Non-Operating temperature:	-40 degree to -70 degree C
Non-Operating humidity (non-condensing):	0% to 95%
Operating humidity	10% to 80%