

VIDEO CONFERENCING END POINT

"Video Conferencing End Point with in-built eMCU for virtual classroom, training rooms and classrooms"



Video Conferencing Camera 1 + 3

Camera Type	PTZ (CMOS) Sensor
Brightness Adjustment	Manual / automatic
Focus Arrangement	Manual / automatic
White Balance	Manual / automatic
Video Feature	Picture in picture & picture outside picture
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, 1600x 1200, 1680x 1050, 1080p(1920x1080) Coding/Decoding Resolution: 800x600, 1024x768, 1280x1024, 1280x720,1920x1080 output 800x600 1024x768, 1280x1024, 1280x720, 1920x1080
Built-in-HD Camera	Input: 1080P Sensor: 2.07 million effective pixels, 1/2.7 inch CMOS Maximum horizontal 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
Video Features	PiP, PoP

Interface

Communication Interface	RS232 In x 1: 3 Pin Pheonix 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
Video Input	1x HDMI, Built-in camera
Video Output	HDMI x 2
Ethernet port	RJ45 x1
Approval and Compliance	1000 local address book, LDAP/Network address book, H.350

Audio Features

Acoustic Echo Cancellation, Automatic Gain Control, Acoustic Noise Suppression, Lip synchronization

Standard and Protocol

Network Standard and protocol	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585 (RTP/AVPF), SNTP, ARP
Standard	H.221, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Video Standards and Protocols	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.726, SILK
Dual Stream	ITU-T H.239 BFCP

Security and Stability

Security	H.235 (AES)Signal and media stream encryption Administrator password, SSH/HTTPS
Firewall traversal	H.460.18/19, H.460.23/24, ICE
Network	Forward Error Correction, Automatic Repeat-re Quest
Bandwidth IP	64kbps – 8Mbps

Applications

Simultaneous Connection	1+3 End points simultaneously
Wireless Connectivity	Wireless Connectivity using Wi fi
Multi Device Compatibility	Multi device i.e. Laptop, Tab, Mobile
Dual Codec	Dual Codec 1080p @ 30 fps
Streaming and Recording	Streaming and USB Based Recording
Secure Connection	AES-256 Encryption

Additional Features

Built-in MCU, USB microphone, Wifi, same View, Web based Conference management, Remote Control H.224, H.281, Remote Upgrade by network, Support SDK API, Network address book, Audio associated with presentation, Timing power on and power off, Incoming call Password, Asymmetric bandwidth, Built in VPN, Automatic to get static NAT address, PIP: 1/16 Picture size, Optional Position, Automatic standby and wake up on incoming call, DNS SRV, Split output: Bi-Screen and tri-screen display

Physical Characteristics

Operating temperature	-10 ⁰ C to 40 ⁰ C
Operating humidity	10% to 80%
Non-Operating temperature	-40 ⁰ C to -70 ⁰ C
Non-Operating humidity	(non- Condensing) 0% to 95%
Working voltage	AC 100V ~ 240V, DC 12V
Power consumption	18W Max
Working frequency	50/60Hz