Video Conferencing Endpoint（H.323/SIP）

4K Intelligent Video Conferencing Endpoint
UAI4CX200

4K UHD | **H.323 SIP** | **30% Packet Loss Video Resistance** | **4 in 2 out** | **Audio 7 in 5 out**

New generation 4K endpoint, with the powerful processor, CX200 could provide robust and reliable support for video conferencing system. CX200 was designed with multiple interfaces to support a variety of conferencing system, best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.

Features

4K 30fps
Supports the latest H.265 video encoding and decoding, achieving 4KP30 ultra high definition video with a bandwidth of 2Mbps, ensuring high-quality video while reducing network construction and operation costs. Simultaneously possessing excellent dual stream collaboration capabilities, supporting dual 4K30+4K30.

Rich Visual and Audio Interfaces
Supports 4 video inputs and 2 video outputs, 7 audio inputs and 5 audio outputs, supports 4K high-definition and H.265 encoding and decoding, with rich interfaces and flexible adaptation to various peripherals, meeting the needs of large and medium-sized conferences and industries.

Dual Screen Display
Supports two high-definition video outputs, and can be connected to two large screen display devices at the same time. According to the conference scene, two large screen display devices can simultaneously output different images, improving the conference experience.

RTMP and RTSP
Supports real-time live streaming of meetings through RTMP streaming to live streaming platforms, and supports streaming from live streaming platforms to terminal playback. The terminal supports streaming input through the network camera RTSP.

Local USB Drive, Remote Recording and Broadcasting
In addition to supporting remote recording and playback, it also supports USB flash drive recording, plug and play, and secure and confidential meeting records.

Product Specification

Standards & Protocol

Multimedia Framework Protocol	ITU-T H.323,IETF SIP
Video Codec Protocol	H.265、H.264 HP、H.264
Audio Codec Protocol	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK
Double Stream Protocol	ITU-T H.239, IETF BFCP
Other Communication Protocols	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Transmission Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP

Video Features

First Stream Resolution	4K30、4K15、1080P60、1080P30、720P60、720P30
Second Stream Resolution	HDMI In:VGA (640×480) 60fps、SVGA (800×600) 60fps、XGA(1024×768) 60fps、WXGA(1280×768) 60fps、WXGA (1280×800) 60fps、1280×960 60fps、SXGA(1280×1024) 60fps、1360×768 60fps、1366×768 60fps、1440×900 60fps、1600×900 60fps、720P(1280×720) 60fps、1080P(1920×1080) 24/25/30/50/60fps、4K(3840×2160) 25/30/50/60fps；Out: 1920×1080、3840×2160
Active Double Stream	4K30 + 4K30

Bandwidth

IP	64kbps ~ 8Mbps

Reliability & Security

Network Adaptability	Video Forward Error Correction (FEC), Packet Loss Retransmission (ARQ) Automatic speed increase and decrease
Security Management	•H.235 signaling and media stream encryption(AES-128, AES-256)；•TLS and SRTP •Administrator password: SSH/HTTPS
Firewall Traversal	H.460, ICE, NAT

I/O

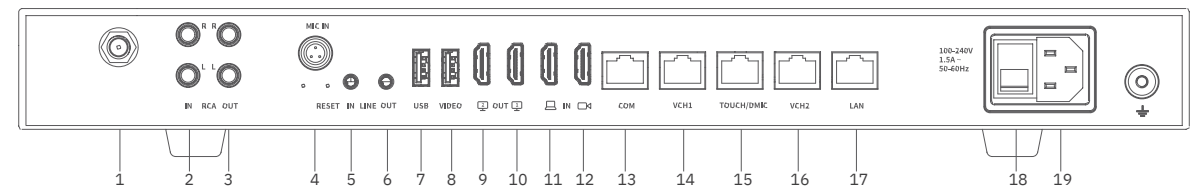|	
Video Input Interface	1 × HDMI，Support 4K30fps 1 × HDMI，Support 4K30fps 2 × PSE video network camera input, Max. 4K30fps
Video Output Interface	2 × HDMI，Max. 4K60fps
Audio Input Interface	1 × MINI xlr 1 × 3.5mm 2 × RCA 2 × HDMI Audio 1 × DMIC
Audio Output Interface	1 × 3.5mm 2 × RCA 1 × USB 2.0 1 × HDMI Audio
Network Streaming Interface	2 × RJ45
Conference Control Screen Interface	1 × RJ45
COM Interface	1 × RJ45
Network Interface	1 × RJ45（10/100/1000M LAN）

Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	10000 local contacts and call records
Featured Functions	•Auxiliary flow accompanying sound; •Infrared penetration; • Time switch; •Support DNS SRV; • Incoming password; •Asymmetric bandwidth; •USB microphone access; •Two or three split screen display; •Network address book; •Built in MCU (optional); •Support web control; • Network upgrade; •Wi Fi access (optional); •RS232/USB serial API control; •Automatic standby and automatic wake-up of incoming calls; •Automatically obtain static NAT addresses; •Picture in Picture (1/16 screen size), Picture beside Picture; •Support third-party integrated development API interfaces; •GB/T 28181 Video Surveillance (optional)

Generic Spec

Power	100v~240v AC
Operating Frequency	50Hz/60Hz
Power Consumption	< 50W
Dimension	430mm (W) × 200mm (D) × 44.4mm (H)
Weight	3.5 Kg
Certification and Standards	CQC、CTA

Interface Diagram

1 —— Antenna	6 —— LINE OUT	11—— HDMI IN	16 —— VCH2
2 —— RCA IN	7 —— USB	12—— HDMI IN	17 —— LAN
3 —— RCA OUT	8 —— VIDEO	13—— COM	18 —— Switch
4 —— MIC IN	9 —— HDMI OUT	14—— VCH1	19 —— Power
5 —— LINE IN	10—— HDMI OUT	15—— TOUCH/DMIC	