

Video Conferencing Endpoint (H.323/SIP)

All-in-One Full HD Video Conferencing Endpoint UAI4C9 Pro



1080P all-in-one endpoint, high quality image performance and high cyber security, minimal configuration and compatible with various conferencing platform. Best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



Features

▼ All-in-One Integration

For the All-in-one integration, camera and terminal integration is a single device for simple and convenient operation. Externally connected microphones are supported; compact and easy to install and deploy.

▼ 1080P Full-HD

Supports 1080P full HD, in addition to supporting built-in high-definition camera input, it also supports DVI-I (compatible with HDMI, VGA/YPbPr) video input. Supports 2-way HDMI high-definition video output.

▼ 72.5° Wide-angle Lens + 12x Optical Zoom

72.5° ultra-wide-angle integrated camera with 12x optical zoom.

▼ Standard & Protocols Enable Convergence and Interoperability

Standard SIP and H.323 protocols supported; compatible with the industry's mainstream standard terminals and networked devices.

▼ Embedded DSP Solution

Embedded DSP hardware solution offers high efficiency and low latency.

▼ Multiple Microphone Connection

Various audio inputs such as USB microphone, analog microphone and linear input are supported to suit different conference scenarios and meet more audio requirements.

▼ Low Bandwidth, and High Definition

The latest H.264 HP coding standard supported; 50% less bandwidth than the previous-generation compression standard.

▼ Excellent Network Security

H.460 firewall traversal supported to guarantee the secure connection of public and private networks. H.235 and SRTP protocols and the encryption algorithms such as AES-128 are supported for all-round guarantee for communication security.

▼ Fully Open API

Fully open API supports the development of third-party applications and is easy for secondary development by customer to meet their customization requirements.

▼ Built-in MCU (Optional)

Built-in MCU (optional) support up to 1+3 terminal HD video conferencing, ideal for small- and medium-sized enterprises that require low cost and simple maintenance of video conferencing.

▼ Local and Remote Recording & Broadcasting

Remote recording and broadcasting are supported; conference recording and broadcasting is realized with only one PC. USB flash disk can be used to record and keep conference minutes confidential.

▼ Simultaneous Bilingual Audio Signals Supported

Simultaneous bilingual audio signals are supported; This terminal support simultaneous input/output of voice in two different languages and the flexible mixing and coded output of voice in two different languages.

▼ Superior Anti-packet Loss Capability

The proprietary FEC technology could be activated in the event of severe network packet loss; the loss of less than 20% packets has no effect on the system, and conferences can still go on even if 30% packets are lost.

▼ RTMP Push & Pull and RTSP Pull Streaming(Optional)

The device supports RTMP push streaming to the live broadcast platform for live broadcasting of conference. RTSP pull streaming can be realized through web cameras.

Product Specification

▼ Standard & Protocol

Multimedia Framework Protocol	ITU-T H.323, IETF SIP
Video Codec Protocol	H.261, H.263, H.263+, H.263++, H.264, H.264 High Profile, H.264 SVC
Audio Codec Protocol	G.711, G.719, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK, Opus
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, UDP, DHCP, SSH, HTTP, HTTPS, with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP

▼ Video Features

Active Image Resolution	<ul style="list-style-type: none"> •1080p, min. bandwidth 1024Kbps; •720p, min. bandwidth 512Kbps; •w448p/4SIF/4CIF, min. bandwidth 256 Kbps; •w288p/SIF/CIF, min. bandwidth 128 Kbps
Data Content Resolution	<ul style="list-style-type: none"> •Input: VGA (640×480), SVGA (800×600), XGA(1024×768), WXGA(1280×768), WXGA (1280×800), 1280×960, SXGA(1280×1024), 1360×768, 1366×768, 1440×900, 1600×900, 720p(1280×720), 1080p(1920×1080) •codec: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080 •Output: 800×600, 1024×768, 1280×1024, 1280×720, 1920×1080
Active Double Stream	1080P30+1080P30
Built-in HD Camera	<ul style="list-style-type: none"> •Input: 1080p; •Sensor: 2.07 megapixels effective pixels, 1/2.8-inch CMOS; •Lens: 12x optical zoom; •Max. horizontal view angle: 72.5°; •PTZ: Horizontal +/- 170°, vertical -30° ~ +90°; •Automatic white balance, automatic exposure, and automatic focus supported; •Remote camera control supported; •Mirror/Flip supported; •255 preset positions
Other Image Features	PIP, POP and other display modes supported

▼ Audio Features

Audio Features	<ul style="list-style-type: none"> •Automatic echo cancellation (AEC) •Automatic gain control (AGC) •Automatic noise suppression (ANS) •Lip-sync supported
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▼ Reliability & Security

Network Adaptability	Video forward error correction (FEC), automatic repeat request (ARQ), automatic speed up & down
Security Management	<ul style="list-style-type: none"> •H.235 signaling and media stream encryption(AES-128, AES-256); •TLS and SRTP •Administrator password: SSH/HTTPS
NAT/Firewall Traversal	H.460, ICE

▼ Bandwidth

IP	64kbps ~ 8Mbps
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▼ Cloud Integration

Compatible Brands	Cisco, Pexip, Poly, HUAWEI, etc Cloud platform
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▼ I/O

Audio Input Interface	1 × 3.5mm; 1 × 3.5mm (Support phantom power supply) ; 1 × DMIC; 1 × DVI-I; 1 × USB
Audio Output Interface	1 × 3.5mm; 1 × HDMI; 1 × USB
Video Input Interface	1 × built-in camera input 1 × DVI-I (HDMI, VGA/YPbPr); 1 × RTSP (optional)
Video Output Interface	2 × HDMI
USB Interface	2 × USB2.0 (USB flash disk and USB microphone etc. supported)
Network Interface	1 × RJ45: 10/100 Base-T; 1 × Wireless: 802.11a/b/g/n Wi-Fi (optional)

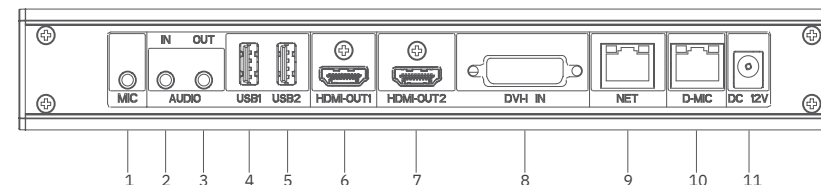
▼ Conferencing Features

Language	Simplified Chinese, Traditional Chinese, English, Polish, etc.
Contacts and Call History	10000 Local Contacts and Call Records
Featured Functions	<ul style="list-style-type: none"> •Auxiliary flow accompanying sound; •Network upgrade; • 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; •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;

▼ Generic Spec

Dimension/Weight	<ul style="list-style-type: none"> •Dimension: 258mm (W) × 146mm (D) × 170mm (H) •Net Weight: 1.7Kg
Power Supply	<ul style="list-style-type: none"> •Operating voltage: AC 100V ~ 240V, DC 12V • Operating frequency: 50Hz/60Hz •Max. power consumption: 24W
Environmental Requirements	<ul style="list-style-type: none"> •Temperature: 0° C ~ 40° C (operating state), -40° C ~ 70° C (non-operating state) •Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating) •Ambient noise: < 46 dBA SPL •Min. illuminance: 5 lux •Recommended illuminance: > 300 lux
Certification and Standards	China Telecom Network Access, CCC

Interface Diagram



- 1 — MIC
- 2 — AUDIO IN
- 3 — AUDIO OUT
- 4 — USB
- 5 — USB
- 6 — HDMI OUT
- 7 — HDMI OUT
- 8 — DVI-I IN
- 9 — NET
- 1 — D-MIC/VTOUCH
- 0 — DC 12V
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