



Codec

A Multipurpose device for recording & Unified communication

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Introducing AdonisAV codec capable of high doing quality Full High Definition video conferencing via H.323/SIP communication. AdonisAV Codec is designed to deliver high definition video conferencing experience at up to 60 frames per second with the flexibility to accommodate various room size and configurations. It combines a powerful codec with dual-display feature in an easy-to-use and feature rich compact solution. With the H.264 High Profile technology, all this requires up to 50% less bandwidth compared to competing solutions.

Highlights and Features

Supports standard SIP and H.323 protocols, and is compatible with industry standard terminals and network-side devices.

Low bandwidth, high definition: Supports the latest H.264 encoding standards.

Multiple microphone options: Digital input, Analog Input and USB input.

High network security: Support H.460 firewall traversal technology to solve the security connection between public and private networks. H.235, SRTP and AES- 128 encryption algorithms are all supported to ensure communication security in all aspects.

Password Protected System Menu

Full HD Video Inputs: 1x HDMI & 1x DVI-I

Full HD Video Outputs: 2x HDMI

Embedded DSP solution: Embedded DSP solution for achieving high efficiency and low latency.

Built In MCU: Built-in (1 + 3) MCU via optional Licence Key.

Built-in VPN: Supports built-in VPN (server/client).

Infrared Pass through: Supports the serial port to receive the infrared signal from the camera receiver. Can be kept inside the rack while sending the control commands via camera IR receiver.

Recording: Supports remote recording and playback functions.

USB Storage: Supports USB storage disk recording, plug and play, conference recording security.

Packet Loss: Anti-packet loss ability to effectively reduce network jitter and packet loss. The conference can perform normally with 20% packet loss.

Directories: Supports.

Applications

Video Conferencing

Distance Learning

Boardrooms

Training Rooms

Virtual Classrooms

Auditoriums

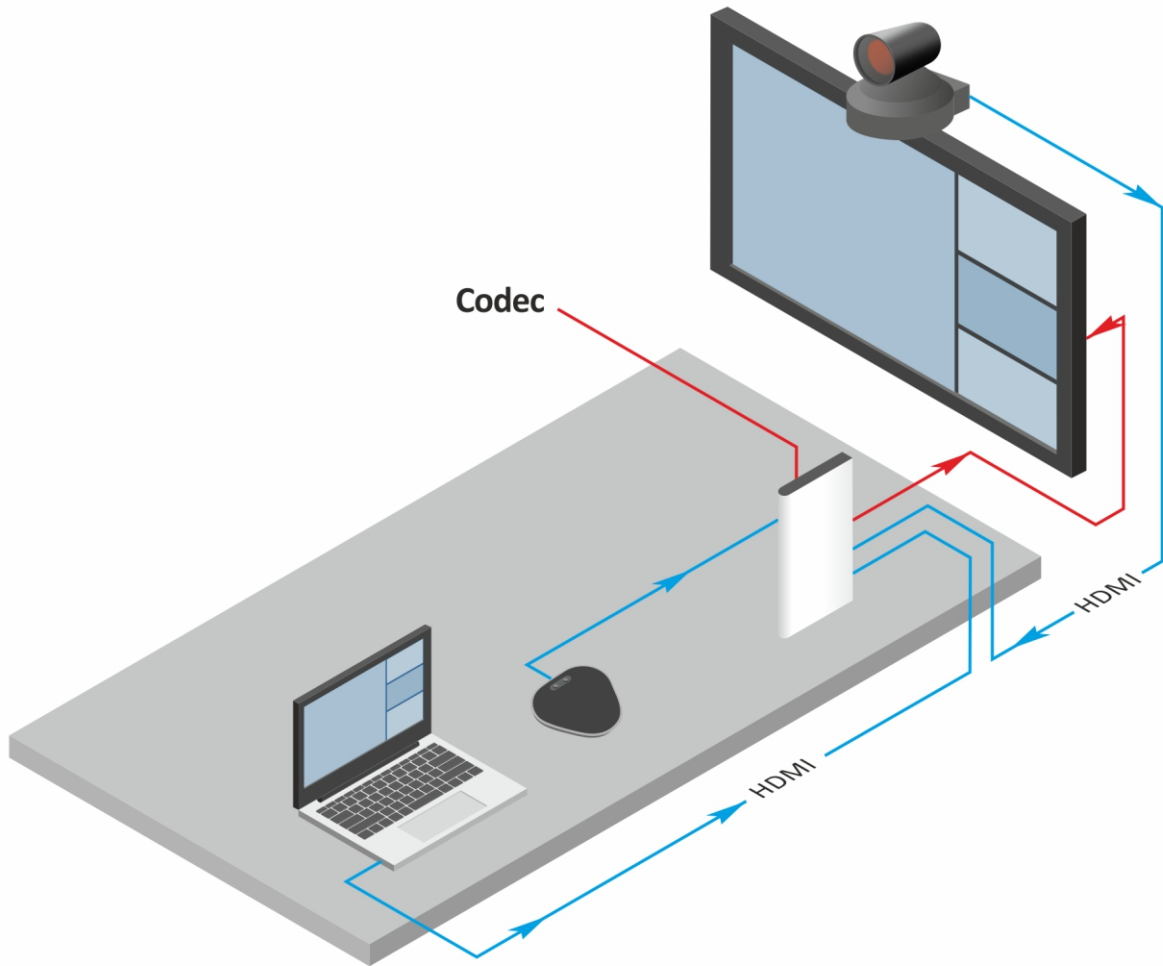
Recording Studios

Lecture Capturing Solutions

Specifications

PARAMETER	Specifications
Standards and Protocols	ITU-T H.323, IETF SIP
Video Standards	H.261, H.263, H.263+, H.263++ , H.264, H.264 SVC, H.264 High Profile
Audio Standards	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK
Dual Stream	ITU-T H.239, BFCP
Other Standards	H.221, H.224, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP, RTMP
People Video Resolution	1080P, min bandwidth 1024Kbps 720P, min bandwidth 512Kbps 4SIF/4CIF, min bandwidth 256Kbps SIF/CIF, min bandwidth 128Kbps
Content Video Resolution	Input: VGA (640x480), SVGA (800x600), XGA(1024x768), WXGA(1280x768), WXGA (1280x800), 1280x960, SXGA(1280x1024), 1360x768, 1366x768, 1440x900, 1600x900, 720p(1280x720), 1080p(1920x1080) Codec: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080 Output: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080
Other Video Features	Support PIP, POP and other display modes
Audio Features	Automatic echo cancellation (AEC), Automatic gain control (AGC), Automatic noise suppression (ANS), Support Lip Sync
Network	Video Forward Error Correction (FEC), Automatic Repeat-request (ARQ)
Security	H.235 signalling and media stream encryption (AES-128, AES-256). TLS & SRTP. Administrator password SSH/HTTPS
Firewall Traversal	H.460, ICE
Bandwidth	64 Kbps-8 Mbps
Conference Capability	Up to 4 Party
Access	Supports hybrid access of HD and SD video terminals; supports mixed access of H.323 and SIP terminals; supports different bandwidths of different terminals
Conference Modes	Discussion mode: Each Location views the same Picture. Lecture mode: Central Location views all Videos while other locations views central Location Video Only
Other Features	Supports wideband audio codec and FEC anti-lost packets
Audio input	1x Balanced XLR Microphone Input, 2x RCA unbalanced Line Input, 1x HDMI Audio Input, 1x RJ45 Digital Microphone Input
Audio Output	2x HDMI Audio Output, 2x RCA Unbalanced Line Output
Video Input	1x HDMI, 1x DVI-I (HDMI, VGA/YPbPr)
Video Output	2x HDMI
USB Interface	2x USB2.0 (Supports USB Audio & USB Storage Devices)
Network Interface	1x RJ-45
Control Interface	1x RJ-45 (RS-232)
Address Book	1000 address book & Call Records
Special Features	Auxiliary sound, Timer switch, Automatic standby and automatic wake-up call, Support DNS SRV, Caller ID, Asymmetric bandwidth, Built-in VPN, Get static NAT address automatically, PIP, Second and third screen display, Network address book, Supports third-party integrated development API interfaces, Built-in MCU (optional), Support Web conference control, Network upgrade, Infrared transmission.
Environmental	Operating Temperature: 0°C ~ 48°C. Storage Temperature: -40°C ~ 65°C. Operating Humidity: 10% ~ 80%. Storage Humidity: 0% ~ 95%. Ambient noise: < 46dBA SPL
Electrical	Operating Voltage: AC 100V ~ 240V. Frequency: 50Hz/60Hz. Power Consumption (Max): 50W
Dimensions	Equipment: 202mm x 429mm x 45mm Packaging: 527mm x 318mm x 138mm
Weight	Equipment: 3.3Kg. Packaging: 5.1Kg

Connectivity Diagram



For inquiry email us on
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