FACT SHEET

Avaya Room System C190

Overview

The Avaya Room System C190 is part of the new generation video conferencing room systems offer. The C190 incorporates H.265 High Efficiency Video Coding (HEVC), one of the industries most advanced video compression technologies. H.265 HEVC doubles the video compression efficiency of H.264 High Profile, enabling full HD 1080p and 4K video, delivering an exceptional experience with a total lower cost of ownership.

The Avaya Room System C190 delivers one of the best conferencing experiences available from a room system. Available PTZ cameras offer up to 20x optical zoom to view details and include wide-angle capability for group participation. Optional embedded 9-way multi-party conferencing including the ability to engage with participants makes it easy to host meetings with remote participants.

Highlights

- **Standard protocol, integration and intercommunication**

  Support standard SIP, H.323 protocol, compatible with industry mainstream standard terminal and network side equipment.

- **Low bandwidth, high definition**

  Support the latest H.264 HP H.265 encoding standard, which can save about 50% bandwidth compared with the previous generation compression standard.

- **Multiple microphone access methods**

  Support digital microphone, USB microphone, analog microphone three audio input solutions, adapt to different conference scenarios and meet more audio needs.

- **Ultra-high network security**

  Support H.460 firewall traversal technology to solve the security connection of public and private networks. Support H.235, SRTP protocol and AES-128 and other encryption algorithms to ensure communication security in all aspects.

- **Infrared transparent transmission**

  The terminal supports the serial port to receive infrared signals. When working with a specified model of camera, it can receive infrared remote control signals through the camera. Even if the conference terminal is hidden at the back end, all terminal controls can be satisfied.

- **4K UHD**

  Support 4K UHD, support 2-way HDMI high-definition video input, 2-way (HDMI) high-definition video output.

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Connect multiple external cameras with C190 to increase room coverage and transmit video streams on the conference call.

- **Remote, local recording and playing**

  Support remote recording and playing function, only need a PC to realize conference recording and playing function. Support USB memory disk recording, plug and play, meeting records are safe and confidential.

- **Super strong anti-packet loss ability, effectively solve the problem of network jitter and packet loss**

  In the case of serious network packet loss, the FEC proprietary technology can be turned on. The packet loss within 20% has no effect on the system, and the conference can still proceed normally if the packet loss is 30%.

- **8-core processor, DDR 4G, EMMC 16G**

- **Embedded MCU 1+5/1+8 (optional license)**

  Embedded MCU allows you to create conference with up to 9 participants without a need of centralized meeting server.

Specifications

System Components	
Contents	• C190 Codec x 1 • Infrared remote control x 1 • Power Adapter x 1 • HDMI cable 3m x 2
Standard and Protocols	
Multi-media Frame Protocols	ITU-T H.323, IETF SIP
Video Standards and Protocols	H.261, H.263, H.263+, H.263++, H.264, H.264 High Profile, H.265
Audio Standards and Protocols	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.726, SILK *G.722.1/G.722.1C, certified from Polycom®

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The Avaya Room System C190 incorporates H.265 High Efficiency Video Coding (HEVC) and supports 4K UHD video resolution providing best in class collaboration experience.

Standard and Protocols	
Dual Stream Protocols	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 Standards and Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNTP, ARP
Video Features	
People Video Resolution	• 4KP30, guaranteed bandwidth: 2048Kpbs • 1080p, guaranteed bandwidth: 1024Kpbs • 720p, guaranteed bandwidth: 512Kbps
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), 3840x2160 Coding/Decoding Resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080, 3840x2160 Output: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080, 3840x2160
Dual Stream	Dual 4KP30 + 4KP30
Other Video Features	PiP (Picture in Picture), PoP (Picture outside Picture)
Audio Features	
Audio Features	• AEC (Acoustic Echo Cancellation) • AGC (Automatic Gain Control) • ANS (Acoustic Noise Suppression) • Lip synchronization
Interfaces	
Bandwidth	64kbps ~ 8Mbps
Audio Input	1 x 3.5mm line in, 1 x XLR microphone in, 1 x RJ45 digital microphone in
Audio Output	1 x 3.5mm line-out, 2 x HDMI audio out
Video Input	2 x HDMI
Video Output	2 x HDMI
USB Interface	2 x USB2.0
Network Interfaces	3 x RJ45: 10/1000 Base-T, Touch/DMIC, RS232 1 x Wireless : 802.11 b/g/n/ac (WiFi 5)
Security	
Network	FEC (Forward Error Correction), ARQ (Automatic Repeat-reQuest) etc.
Security	• H.235 (AES) signaling and media stream encryption • Administrator password, SSH/HTTPS
Firewall Traversal	H.460.18/19, H.460.23/24, ICE

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Connectivity options to suite customer requirements. Select from multiple input and output ports as per the use cases and setup.

Application Features	
Languages	English, Spanish, Italian, French, German, Portuguese, Chinese, Turkish, Korean
Contacts	10,000 local address book
General Features	
Dimension	• Codec dimension: 348mm x 148mm x 37mm • Package dimension: 413mm x 332mm x 130mm • Net weight: 1.4Kg • Gross weight: 2.2Kg
Electrical	• Operating Voltage, DC 12V • Maximum power consumption: 54W
Environmental Requirement	• Temperature: 0°C ~ 40°C (operating state), -40°C ~ 70°C (non-operating state) • Relative humidity: 10% ~ 80% (operating state), 0% ~ 95% (non-operating state) • Surrounding noise: less than 46dBA SPL • Minimum illumination: 5lux • Recommended illuminance: greater than 300lux
Certification	CE, RoHS, FCC, CCC, TUV CB, IC, RCM, IMDA, KCC

About Avaya

Avaya is a global enterprise software leader that helps the world's largest organizations and government agencies forge unbreakable customer connections. The Avaya Infinity™ platform is built to unify fragmented experiences, equipping enterprises to evolve their contact centers into connection centers and strengthen relationships that create business value. Learn more at **www.avaya.com**.

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