Hamedal C30
All-In-One Conference SpeakerMic Cam

Brand-New Smart Device, Smoothy HD Conference Experience

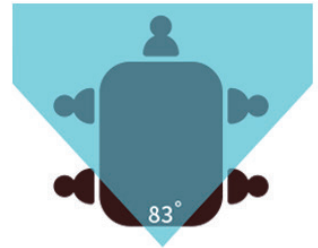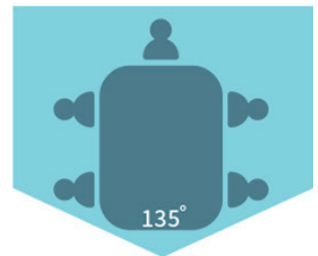| 4K UHD	135°				
HD Image	Ultra Wide-Angle	AI Smart Framing	Daisy-Chain with SpeakerMic	All-in-One Collabration	Plug & Play

Hamedal C30 is the next-generation video conferencing all-in-one device designed by Auditory Works. The product is featured with 135° horizontal ultra-wide-angle, 12 mega-pixel lens, 4K ultra-clear video calls, as well as auditory localization, voice tracking, face detection, etc. that provide users an elegant and high-quality video conferencing experience. The built-in 8-element omnidirectional microphone array and customized wideband speaker, combined with the latest algorithms, enable flawless full-duplex two-way communication within 5 meters range. Hamedal C30 integrates the conference camera, microphones and speaker unit, so you can wipe away the messy cables and keep your conference space neat and organized. You can even daisy-chain Hamedal C30 with Hamedal A20s. Hamedal C30 is a wise choice for large, medium, and small meeting rooms.

135° Horizontal Ultra Wide-angle Camera to Capture Every Attendee with Clarity

Hamedal C30 owns a customized 135° horizontal ultra-wide-angle camera with a larger wide-angle than the most traditional 83-degree lens on the market and has no image distortion. All conference participants can be captured and seen easily with the camera range covering every corner of the meeting room. Thanks to the 12 mega-pixel camera that enables 4K ultra-clear video calls, all details are so vivid, and it feels just like an in-person meeting.
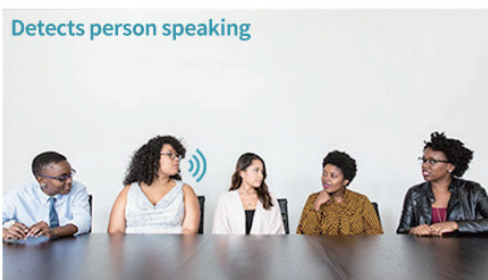

135°HFOV

Average in-room camera

83°

135°

Hamedal C30 Bar

Real-time Speaker Tracking, Automatic Framing for Efficient Conference Calls

The built-in chip in Hamedal C30 integrates multiple cutting-edge technologies, including face detection, auditory localization, voice tracking, etc. It can identify and track conference speakers with the latest CNN neural network AI technology and automatically zoom in to frame the best view accordingly.
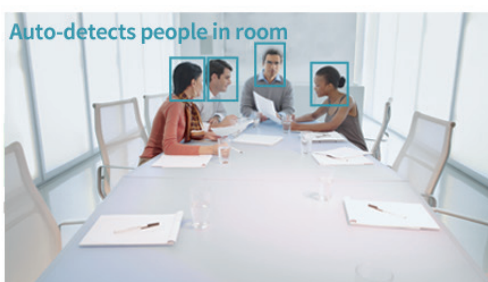

Detects person speaking

Speaker Tracking

Selects best framing for speaker

Auto-detects people in room
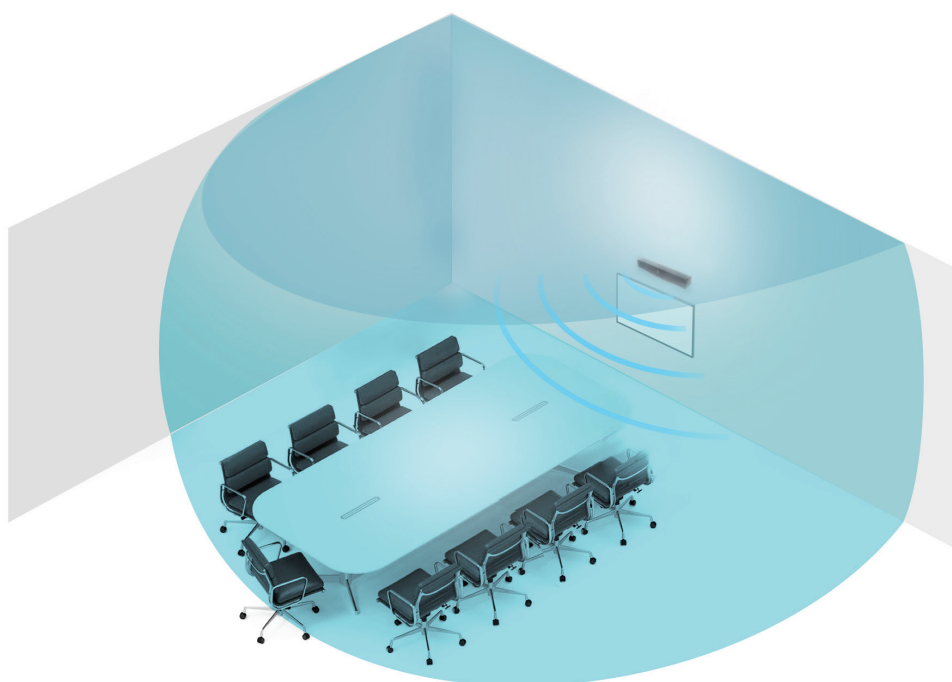
Auto Framing

Selects best framing

AI Noise-Cancellation with Edge Computing

Hamedal C30 adopts an AI model trained by thousands of hours of conference audio records. It can effectively suppress various conference room background noises, such as mouse/keyboard tapping, computer, and air-conditioner. With the AI algorithm's help, this product can minimize most indoor noise while retaining the clarity of people's voices and nature to ensure the participants' great concentrated attention.
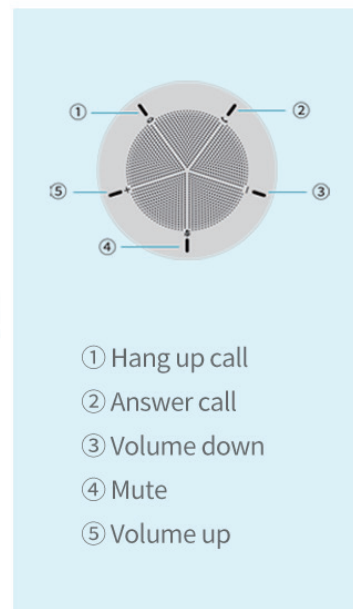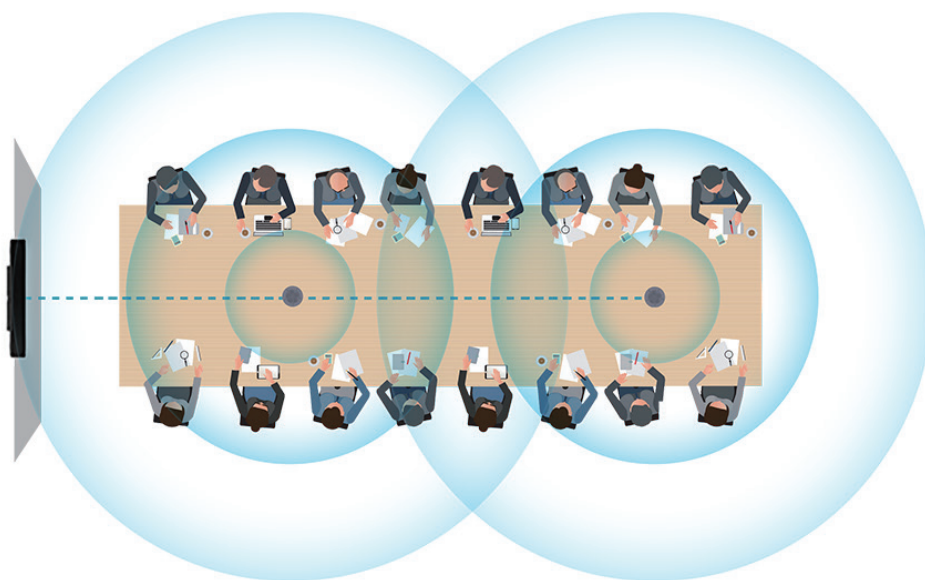

Full-Duplex Communication Within 5 Meters Range, High Quality Conference Calls

Hamedal C30 adopts an 8-element omnidirectional microphone array and customized HD speaker unit, with patented powerful algorithms, enables smart AGC and clear voice pickup with within 5 meters' range. Full-duplex technology ensures continuous, and HD conference calls.

Daisy-Chain to Hamedal A20s to Expand Conference Spaces, Enjoy The Convenient Control and HD Voice

Hamedal C30 works in conference rooms of various sizes, including small, medium, and large ones. By daisy-chaining up to 5 Hamedal A20s, now everyone in a relatively ample conference space, including up to 100 participants, can be heard clearly. Moreover, with the buttons on any Hamedal A20s within the daisy-chain network, users can control the whole network, including answering calls, rejecting calls, muting microphones, and modifying speaker volume.

① Hang up call
② Answer call
③ Volume down
④ Mute
⑤ Volume up

All-in-One Collaboration, Stay Away from Mess, Setup Easily

Hamedal C30 integrates a conference camera, microphone, and speaker into one device with plug & play simplified setup. With only 2 cables, you can enjoy a neat and organized conference room, without reformation nor fussy deployment.

HDMI　　USB type-c

zoom
Google Meet　skype
Cisco webex　Microsoft Teams

Hamedal C30 Tech Specs

Dimensions

- 570mm * 81mm * 77mm

Weight

- 1500g (Desktop Stand Included, 250g)

Color

- Metal Black

Installation

- Desktop (Default)
- On Wall (Optional)
- Stand (Optional)

Connectivity

- USB 3.0, compatible with USB 2.0

Features

- 135° Horizontal Ultra Wide-Angle
- Speaker Tracking
- Automatic Group Framing
- Customized HD Speaker
- Full Duplex Communication
- Microphone Array

Input/Output

- DC Adaptor Power Supply
- Data Transmission over USB Type-C

Audio Specs

- 8-element Omnidirectional Microphone Array
- 5-Meter Voice Pickup Range
- Background Noise Suppression
- Speaker Tracking
- Full Duplex Communication
- Echo Cancellation
- Echo Suppression
- Auto Gain Control

Image Specs

- Self-Adaptive Skin Toning
- Wide Range Dynamic
- Lens Distortion Correction
- Anti-Flickering
- Real-time Scaling and De-warping
- Human Figure Recognition
- Automatic Lossless Scaling

Camera Specs

- ƒ/2.5 aperture
- 4K Video Output
- Horizontal FOV 135°
- Vertical FOV 100°
- Automatic White Balance and Exposure
- 2.7mm Fixed focus

Button

- Power On/Off

Speaker Specs

- Peak Power: 16W
- Actual Power: 8W for Music Playback, 8W for Audio Communication
- Acoustic Fencing
- Speaker Frequency Response: 80Hz~20kHz
- Speaker Volume: 82dB SPL @1kHz at 0.5m

Video Specs

- HD 1080p@30fps
- 4K@30fps
- 16:9 Aspect Ratio
- Lossless Digital Focus
- Digital PTZ
- UVC 1.1/1.5 Compatible
- H.264/YUV/MJPEG over USB 3.0
- MJPEG and H264 over USB 2.0

Daisy-Chain

- Connect Up to 5 Hamedal A20s via Ethernet Cable

Configuration Requirements

- PC w/ Windows or Linux, Mac with USB Connection
- PC w/ Windows or Linux, Mac with USB Connection

Structure Materia

- ABS,PC