

Dolby Voice® Room Data Sheet



PRODUCT OVERVIEW

Amazon Chime on Dolby Voice Room combines industry-leading design and technology in an affordable video conferencing solution that's easy for participants to use and for IT to manage. Seamlessly integrated with Amazon Chime and Alexa for Business, it gives everyone a natural meeting experience, adapting to the way we work.



Video features Dolby Voice Room adjusts to changing speakers, action, and lighting conditions, intelligently framing the discussion in real time.

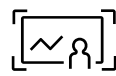


Audio features Dolby Conference Phone enables the Dolby Voice® audio experience and is the ideal video conferencing control center.



Intelligent scene framing

Dolby Voice Room learns who's talking, reframing the scene on the speaker while keeping everyone in view. Digital pan-tilt-zoom (PTZ) curbs camera noises and movements.



Whiteboard view

Dolby Voice Room corrects the whiteboard view's perspective, so its visuals are front and center. Preset the area in-room, or select via the Dolby Conference Phone touch-screen.



Dynamic leveling

Dynamic leveling boosts quiet voices so all can be heard, while distinguishing speech from noise—improving poor acoustics, and eliminating echoes and background noise.



Full-room pickup

Full-room pickup captures near and distant voices, as well as overlapping speech, so the conversation being had is the conversation being heard.



HDR video mapping

High dynamic range video mapping continuously balances exposure levels so you see in the best possible light. HDR accommodates a wide range of camera vantage points, simplifying setup and installation.

Dolby Voice Camera

Dolby Voice Camera features a 4K Ultra HD image sensor, 95° wide-angle lens, and multiple mounting configurations—easily adapting to different installations, with secure mounting and precise angle adjustments.



Touch-screen interface

The Dolby Conference Phone's intuitive touch-screen controls and customizable service provider apps make it easy to start, join, and run meetings. The simple, streamlined interface design enables your video conferencing and screen sharing.



Dolby-enhanced audio

Incredibly lifelike and clear capture of voices provides an immersive meeting experience.

Dolby Voice Camera

Image sensor: 4K, 13
Resolution: 1080p30 H.264 (1920x1080)
Frame rate: ≤60 fps (frames per second)
View angle: 95°
Lens: fixed focus f/2.0
Zoom: ≤2x digital zoom
Output format: YUV422
Connectivity: USB 3.0
Mounting: tilt range +/- 20°
HDR video mapping
Intelligent scene framing

Video

Codecs: H.264 Baseline and High Profile
Encode: two 1080p30 streams
Decode: two 1080p30 streams

Dolby Conference Phone

Operating Modes: Dolby Voice, IP phone/VP8
Service provider integration: IP connection and preconfigured access to Dolby Voice enabled conferencing services
Touch-screen meeting management:

- One-touch meeting start with Bluetooth Low Energy (BLE) connection on supported partner apps
- Viewable roster of meeting attendees and active speaker, add/remove participants
- Contact directory with one-touch dialing
- Mute/unmute, three-way conferencing, conferencing join/split/hold/resume, call waiting, call history

Broad interoperability. For details, visit dolby.com/interop
Communication protocols: IETF SIP (RFC 3261 and companion RFCs)

Dolby Conference Phone (cont)

Audio features: full duplex, noise suppression, acoustic echo cancellation, voice placement
Audio codecs: Opus/DVC-2/G.711a/G.711u/G.722/G.729ab/
Audio range: Wideband HD, 160 Hz—8 kHz
Microphone range: 6.1 m (20 ft)
Peak volume: 88 dB SPL at 1/2 meter (1.6 ft)

Dolby Voice Hub

OS: Linux
Monitor support: Dual (x2) display out ports
Content sharing: Display in port—local/broadcast and wireless sharing through partner apps
USB: USB 3.0 host ports (x3), USB 3.0 device port
Network: 10/100 Mb (RJ-45) network interface, 10/100 Mb (RJ-45) POE 802.3af network interface
Additional: power port, security lock

Network provisioning

IP address configuration: TCP/IP (IPv4), DHCP/static IP
Web: HTTP/HTTPS web server, web proxy auto-detection and proxy auto-configuration
Support, WebRTC
Time and date synchronization: SNTP
VLAN support: Dolby Voice and IP telephony calls on separate voice and data VLANs

QoS support: IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP
RTCP support: (RFC 1889)
LDAP directory support
Plug-and-play provisioning enabled by Dolby Voice
Console cloud provisioning service

Security

Encryption: TLS (Transport Layer Security) for SIP, SRTP encryption for media, 128 bits AES
Network Access Control: IEEE 802.1x
SHA-2 Certificate

Voice Control

Alexa for Business

Operating requirements and specifications

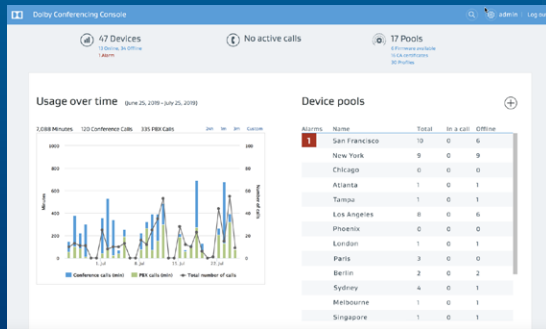
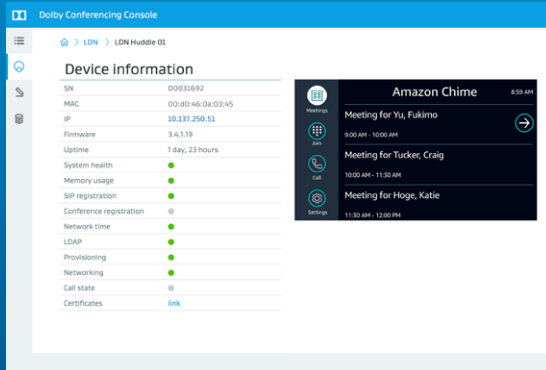
External power adapter: 90–240v AC input
Power consumption: Idle <2.8W, normal operating—24w; max—30w
Operating humidity: 20–85% (non-condensing)
Operating temperature: 0°–40° C (32°–104° F)
Storage temperature: -30–50° C (-22°–122° F)

Hardware dimensions (H x W x D)

Camera + mount: 6.2 x 13 x 9.6 cm (2.4" x 5.1" x 3.8")
Phone: 5.6 x 30 x 32 cm (2.2" x 11.8" x 12.6")
Hub: 4 x 31.6 x 11 cm (1.6" x 12.4" x 4.3")

DOLBY CONFERRENCING CONSOLE

A virtual appliance for centralized device management, with version control, powerful analytic and troubleshooting tools—all included with Dolby Voice products.



BACK OF PHONE

amazon
Chime

DOLBY
VOICE



BACK OF CAMERA

