



Nureva™ HDL300 audio conferencing system



There's no question that the nature of work is changing. Many meetings have remote participants who need to be fully contributing as if they were in the room. Meetings are morphing from passive events where information is consumed to active collaboration sessions where teams create. People no longer want to be constrained to sitting at a meeting room table, facing a conference phone – they need the freedom to work at immersive wall systems and large displays. Passionate conversations with teammates talking at once need to be shared with remote colleagues with all the richness preserved.

The HDL300 system is designed precisely for this cultural shift. Our game changing technology takes conferencing beyond simply sharing voices – it reduces listener fatigue as it boosts team collaboration.

AUDIO CONFERENCE TECHNOLOGY WITH A DIFFERENCE

At the heart of the HDL300 system is Microphone Mist™ technology, which fills the room with 8,192 virtual microphones. Executed on a real-time hardware platform more than 15 times faster than conventional systems, this patent-pending technology processes all microphones simultaneously and dynamically focuses on the one closest to the speaker, ensuring the best quality sound for remote listeners.

Unlike other systems, there is no clipping as a new person begins to speak. Our system is uniquely equipped to capture dynamic discussions, ensuring remote participants never miss a word.

Fully plug and play, the autocalibration feature means there's no technical setup or adjustment for the room. The integrated microphone and speaker bar easily mounts to the wall, virtually eliminating table clutter and distracting table noises while still picking up and delivering clear sound to all participants.

ENGINEERED FOR COLLABORATION

Designed for small to mid-sized spaces, the system supports a broad range of computer conferencing applications. Its full-duplex, acoustic echo cancellation and noise cancellation technology delivers the baseline quality that users expect.

The HDL300 system has been engineered from scratch to create an outstanding experience for people who need to connect and collaborate with colleagues at a distance. Simply put, the HDL300 system is the most advanced audio conferencing solution ever created at a very affordable price point.

BENEFITS

8,192 virtual microphones – They fill the room, so there's always one close by

Advanced DSP – Running at 15,000 MIPS, the DSP simultaneously processes all 8,192 microphones. There's no latency due to scanning or refocusing of microphones.

Compatible with UC&C platforms – Skype® for Business, Skype, Zoom, GoToMeeting™, WebEx™, StarLeaf, BlueJeans and more

Autocalibration – Continuously adapts to room dynamics

Plug and play – Recognized as a standard USB device. No drivers needed.

Natural listening experience – Full duplex and acoustic echo cancellation for clear, consistent audio

Wall-mount installation – A simple install. No tabletop clutter or noise.

Automatic upgrades – the Nureva audio manager can automatically detect and update the HDL300 system when new firmware is available

Optimized for small to mid-sized rooms – Works in spaces up to 30' by 30' (9.1 x 9.1 m)

SPECIFICATIONS

GENERAL

Powerful DSP that can process 15,000 MIPS
Continuous autocalibration
Acoustic echo cancellation
Built in sound masking
Position-based automatic gain control (AGC)
Plug and play, no software or drivers required
Integrated, multicolor status LED
Compatible with leading UC&C platforms
Single cable, power over Ethernet
Primary audio source for video playback

MICROPHONES

Number	12
Type	Low-noise omnidirectional MEMS
Frequency response	100Hz to 5 kHz
Total harmonic distortion (THD)	0.25% (typical)
Transmission	Full duplex
Range	30' or 9.1 m

SPEAKERS

Number	2 x 20W
Type	4" aluminum cone
Acoustic output (hardware capable)	91 dB-SPL @ 1m
Total harmonic distortion (THD)	<3%
Frequency response	50Hz to 16 kHz
Amplifier class	Class D

CONNECTOR BOX

Interface to computer	USB type B 2.0 x 1
Audio out	3.5 mm single ended stereo jack x 1
Audio in	3.5 mm single ended stereo jack x 1
Connection to speaker and microphone bar	RJ-45 x 2

OPERATING

Room size	Up to 30' x 30' (9.1 x 9.1 m) Optimal: 20' x 20' (6.1 x 6.1 m)
Operating systems	Windows® 7, Windows 8, Windows 10, Mac OS X
System setup	Plug and play

PART NUMBERS

HDL300-B, HDL300 audio conferencing system, black bar
HDL300-W, HDL300 audio conferencing system, white bar

SYSTEM INCLUDES

Integrated microphone and speaker bar
Connector box, white
Connector box mounting bracket
Country specific, power cable 6' (2 m), black
Ethernet cable, CAT6 SSTP, 50' (15 m), Class 3 rated, black
USB Type A-B cable, 6' (2 m), VW-1 rated, black
Infrared remote
AAA batteries (x2)
Documentation kit

POWER

Power rating	Universal switching 100-240V AC, 50-60Hz
Power consumption (single HDL300 system)	Standby <2.5W Operational <25W

ENVIRONMENTAL

System temperature	0° C to 40° C (32° F to 104° F) operating temperature, -20° C to 70° C (-4° F to 158° F) storage temperature, humidity 5%–90% (noncondensing)
--------------------	---

WEIGHTS

Integrated microphone and speaker bar	18.0 lb. (8.2 kg)
Connector box	1.5 lb. (0.7 kg)
Shipping	28.0 lb. (12.7 kg)

DIMENSIONS

Integrated microphone and speaker bar	Width: 60.0" (152.4 cm) Height: 5.91" (14.9 cm) Depth: 3.5" (9.0 cm)
Connector box	Width: 6.5" (16.5 cm) Height: 1.41" (3.6 cm) Depth: 4.31" (10.9 cm)
Shipping	Width: 64.75" (164.4 cm) Height: 10.63" (27.0 cm) Depth: 9.5" (24.1 cm)

CERTIFICATIONS

Electromagnetic compatibility	FCC Part 15, Class A ICES-003, Class A, CISPR 32 (EN55032), Class A CISPR 24 (EN55024)
Safety	UL 60950, CAN/CSA-C22.2 NO. 60950, IEC/EN60950, AS/NZS 60950
Environmental	RoHS, WEEE, REACH

WARRANTY

2-year limited – microphone and speaker bar and connector box
30 days – accessories

For more information

Contact us
Nureva Inc.
Tel. 403.699.9781
sales@nureva.com
enquiries@nureva.com