



Nureva™ HDL300 audio conferencing system

Breakthrough technology enables natural listening experience for computer-based conferencing



AUDIO CONFERENCING TECHNOLOGY WITH A DIFFERENCE

At the heart of the HDL300 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 self-calibration 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.

A SOLUTION FOR THE CULTURAL SHIFT

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 truly disruptive technology takes conferencing beyond simply sharing voices – it reduces listener fatigue as it boosts team collaboration.

ENGINEERED FOR COLLABORATION

Designed for small to mid-sized spaces, the system supports a broad range of computer conferencing applications, including those with stereo output. Its full-duplex, acoustic echo cancellation and noise cancellation technology delivers the baseline quality that customers 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 price point everyone can afford.

SYSTEM BENEFITS

8,192 virtual microphones –
Thousands of virtual microphones fill the room, so every speaker has one in proximity

Advanced DSP – Run on real-time hardware at 15,000 MIPS, the DSP simultaneously processes all 8,192 microphones – there's no latency due to scanning or refocusing of microphones

Self-calibration – Plug and play – no setup or calibration is required

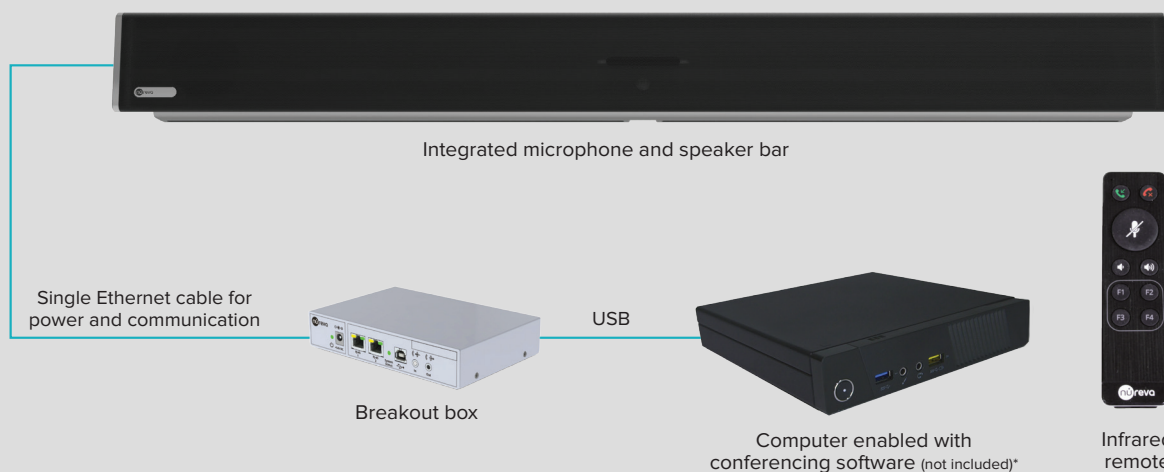
Sound masking – Distracting background noises are minimized

Natural-listening experience –
Full duplex and AEC keep the audio consistent, clear and natural

Wall-mount installation –
The integrated microphone and speaker bar declutters the conference table and virtually eliminates distracting table noise

Optimized for small to mid-sized rooms – The system is designed to work in a range of spaces up to 20' by 20' (6.1 x 6.1 m)

System components



*Requires a computer with conferencing software such as Skype® for Business, Skype, Cisco® WebEx®, GoToMeeting™ and Google™ Hangouts™

SPECIFICATIONS

Integrated microphone and speaker bar

General

Continuously self-calibrating acoustic echo cancellation (AEC)
 Position-based automatic gain control (AGC)
 Advanced digital signal processor (DSP)
 Sound masking
 Available in black or white

Microphones

Number of microphones	12
Microphone type	Low-noise omnidirectional MEMS
Frequency response	100Hz to 5 kHz
Microphone total harmonic distortion (THD)	0.25% (typical)

Speakers

Number of speakers	2
Speaker type	4" aluminum cone
Maximum acoustic output	91 dB-SPL @ 1 m
Speaker total harmonic distortion (THD)	<3%
Frequency response	50Hz to 16 kHz

Breakout box

Input/output connections

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

Certifications

Electromagnetic compatibility	FCC, CE
Safety	UL, CSA, CE
Environmental	RoHS, WEEE

For more information

Weight and dimensions

Integrated microphone and speaker bar

Dimensions (W x D x H)	60" x 3 1/2" x 5 29/32" (152.4 x 9.0 x 14.9 cm)
Weight	18 lb. (8.2 kg)

Breakout box

Dimensions	6 1/2" x 4 5/16" x 1 13/32" (16.5 x 10.9 x 3.6 cm)
Weight	1.5 lb. (0.7 kg)

Shipping

Dimensions	64 3/4" x 9 1/2" x 10 5/8" (164.5 x 24.1 x 27.0 cm)
Weight	28 lb. (12.7 kg)

Operations

Recommended room size	8' x 8' (2.4 x 2.4 m) minimum; 20' x 20' (6.1 x 6.1 m) maximum
System setup	Plug and play
Power rating	Universal switching 100-240V AC, 50-60HZ
System temperature	Operating 0°C to 40°C (32°F to 104°F); Storage -20°C to 70°C (-4°F to 158°F)

Included accessories

- Breakout box mounting bracket
- Power cable 6' (2 m), black
- Ethernet cable 50' (15 m), black
- USB cable 6' (2 m)
- Infrared remote

Warranty

2-year limited

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