



# 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. Listening to all microphones simultaneously, it dynamically selects the one closest to the speaker, ensuring the best quality sound for remote listeners. This patent-pending technology is enabled by a digital signal processor (DSP) with 15,000 MIPS – more than 15 times more powerful than DSPs in conventional systems.

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 deliver 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 –

A DSP with 15,000 MIPS enables simultaneous processing of 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

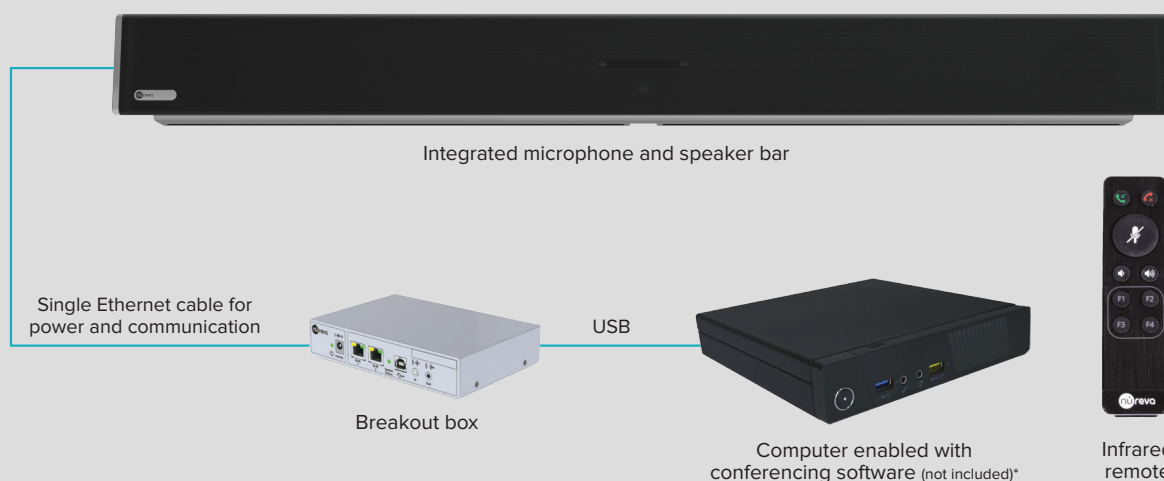
#### Natural-listening experience –

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

Sound masking  
Acoustic echo cancellation (AEC)  
Automatic gain control (AGC)  
Digital signal processor (DSP)

#### Microphones

Number of microphones	12
Microphone type	Low-noise omnidirectional MEMS
Frequency response	100Hz to 7 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)	<2%
Frequency response	40Hz to 18 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
Power	54 V DC

### Weight and dimensions

#### Integrated microphone and speaker bar

Dimensions (W x D x H)	60" x 3.5" x 5.9" (152.4 x 8.9 x 15.0 cm)
Weight	16 lb. (7.3 kg)

#### Breakout box

Dimensions	6.5" x 4.3" x 1.4" (16.5 x 10.9 x 3.6 cm)
Weight	1.5 lb. (0.7 kg)

#### Shipping

Dimensions	64" x 9.5" x 11" (162.6 x 24.1 x 27.9 cm)
Weight	25 lb. (11.3 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  
Infrared remote

### Warranty

2-year limited

Anticipated availability date – December 2016. For more information

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