

Nureva™ Dual HDL300 audio conferencing system for large spaces

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 Dual 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 conferencing technology with a difference

At the heart of the Dual HDL300 system is Microphone Mist™ technology, which fills the room with 16,384 virtual microphones. Executed on a real-time hardware platform, 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 large spaces including briefing centers, conference rooms and multipurpose rooms, 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 Dual HDL300 system has been engineered from scratch to create an outstanding experience in large spaces 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 for large rooms at a very affordable price point.



BENEFITS

Designed for large spaces • Up to 30' by 50' (9.1 x 15.2 m)

16,384 virtual microphones • They fill the room, so there's always one close by

Advanced system processing capabilities

• Running at 25,000+ MIPS, the system simultaneously processes all 16,384 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 • Nureva Room Manager can automatically detect and update the Dual HDL300 system when new firmware is available

GENERAL

Powerful system processors capable of executing 25,000+ 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 (to each microphone and speaker bar)
 Primary audio source for video playback

MICROPHONES

Number	24 (12 per integrated microphone and speaker bar)
Type	Low-noise omnidirectional MEMS
Frequency response	100Hz to 5 kHz
Total harmonic distortion (THD)	0.25% (typical)
Transmission	Full duplex

SPEAKERS

Number	4 x 20W (2 per integrated microphone and speaker bar)
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

CONNECT MODULE

Interface to computer	USB type B 2.0 x 1
Auxiliary out	3.5 mm single ended stereo jack x 1
Auxiliary in	3.5 mm single ended stereo jack x 1
Connection to speaker and microphone bar	RJ-45 x2

OPERATING

Room size	Up to 30' x 50' (9.1 x 15.2 m) Optimal: 20' x 40' (6.1 x 12.2 m)
Operating systems	Windows® 7, Windows 8, Windows 10, Mac OS X
System setup	Plug and play

PART NUMBERS

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

SYSTEM INCLUDES

Integrated microphone and speaker bar x2
 Connect module, white
 Connect module mounting bracket
 Country specific, power cable 6' (2 m), black
 Ethernet cable, CAT6 SSTP, 50' (15 m), Class 3 rated, black x2
 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	Standby <2.5W Operational <50W

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 (each)	18.0 lb. (8.2 kg)
Connect module	1.5 lb. (0.7 kg)
Shipping	51.0 lb. (23.1 kg)

DIMENSIONS

Integrated microphone and speaker bar (each)	Width: 60.0" (152.4 cm) Height: 5.91" (14.9 cm) Depth: 3.5" (9.0 cm)
Connect module	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 bars and connect module
 30 days – accessories

For more information

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