



HDL300 system

The Nureva® HDL300 is an integrated microphone and speaker bar that provides true full-room microphone coverage and rich, clear playback in any mid-size space up to 25' x 25' (7.6 x 7.6 m) – including meeting rooms, classrooms and flex and studio spaces.

True full-room microphone coverage

Like all Nureva systems, the HDL300 is powered by patented Microphone Mist™ technology, which fills a space with thousands of virtual microphones. Just one HDL300 provides true full-room coverage – compare that to traditional systems that use multiple components and still may leave dead zones where people can't be heard. Continuous autocalibration means your audio is always optimized – no technician required – even if you change the room layout.

Easy installation

Installing the HDL300 is an easy project that takes about 30 minutes. You hang the unit on the wall with two screws, run one cable to the connect module and another to a computer. Compare that to traditional multicomponent systems that may include choosing and installing multiple mics, speakers, cables and a DSP – a process that can take days and require outside technicians.

Manage from anywhere

The HDL300 and all your Nureva devices can be managed from anywhere with Nureva Console – our secure cloud-based platform included with each system. Use it to remotely install firmware updates, check device status, analyze room data, adjust the microphone pickup zone and more. You can also access the Nureva Developer Toolkit – cloud-based APIs that let you create integrations for streamlining your workflows.

Features

- **Intelligent Sound Targeting** uses adaptive learning algorithms to preemptively ignore persistent unwanted sounds like HVAC
- **Position-based gain control** applies gain separately to each sound, which lets us make specific optimizations to create a natural listening experience
- **Simultaneous pickup** of all virtual microphones ensures that conversations sound natural even when more than one person is speaking at the same time
- **Voice Amplification Mode** (with audience mute) lets presenters use a headset mic to amplify their voice in the room
- **Camera tracking** enables the use of precise sound location data to steer and switch third-party cameras
- **Active Zone Control** allows you to designate a zone where microphone pickup is maintained while pickup in the rest of the space is reduced
- **Integrated processing** requires no separate DSP as all processing is integrated into the device



HDL300 system – for room size up to 25' x 25' (7.6 x 7.6 m)

HDL300

Technology features

Powerful onboard system processors
Continuous autocalibration
Acoustic echo cancellation
Built-in sound masking
Position-based gain control
Primary audio source for video playback
Single Ethernet cable to microphone and speaker bar
Integrated, multicolor status LED

Microphones

12 – low-noise omnidirectional MEMS
Frequency response at 94 dB SPL
100Hz to 7 kHz
Total harmonic distortion (THD)
0.25% (typical)

Speakers

2 – 20W 4" aluminum cone
Acoustic output (hardware capable)
91 dB-SPL @ 1m
Total harmonic distortion (THD) <3%

Connect module

- 1 – USB 2.0 interface to computer, type B
- 1 – Auxiliary out 3.5 mm single-ended stereo jack
- 1 – Auxiliary in 3.5 mm single-ended stereo jack
- 2 – Microphone and speaker bar RJ-45 jacks
- 1 – Input jack for power supply

Interfaces

- 1 – USB 2.0 interface to computer, type B
- 1 – Input jack for power supply

Interoperability

Plug and play compatibility with UC&C platforms including Microsoft® Teams, Zoom, Google Meet™, GoToMeeting®, Cisco Webex®, Blue Jeans, Lifesize, RingCentral, Fuze Rooms and more



Easy integration with third-party solutions such as Barco ClickShare, lecture capture systems and headset microphones with Voice Amplification Mode

Operating

Operating system

Windows® 8 and 10
Mac® OS X® 10 and 11
(Big Sur and Catalina)

Power

Power rating: universal switching
100-240V AC, 50-60Hz
Power consumption: standby <2.5W
operational <25W

Environmental

Operating temperature:
0° C to 40° C (32° F to 104° F)
Storage temperature:
-20° C to 70° C (-4° F to 158° F),
humidity 5-90% (noncondensing)

Manageability

Automatic firmware updates
Remote management features available through cloud-based Nureva Console

Certifications and compatibility

Electromagnetic

FCC Part 15, Class A; ICES-003, Class A;
CISPR 32 (EN55032), Class A; CISPR 35
(EN55035); CISPR24 (EN55024)

Safety

UL 62368; CAN/CSA-C22.2 NO.62368;
IEC/EN62368; AS/NZS 62368; UL 60950;
CAN/CSA-C22.2 NO.60950; IEC/EN60950;
AS/NZS 60950

Compliance

RoHS, REACH, PoP (Persistent Organic
Pollutants), WEEE compliance, California
Proposition 65, EPA (TSCA-Toxic Substances
Control Act) Restrictions

Dimensions

HDL300

Width: 60.0" (152.4 cm)
Height: 5.91" (14.9 cm)
Depth: 3.5" (9.0 cm)
Weight: 18.0 lb. (8.2 kg)

Connect module

Width: 6.5" (16.5 cm)
Height: 1.41" (3.6 cm)
Depth: 4.31" (10.9 cm)
Weight: 1.5 lb. (0.7 kg)

Shipping

Width: 64.75" (164.4 cm)
Height: 10.63" (27.0 cm)
Depth: 9.5" (24.1 cm)
Weight: 24.0 lb. (10.9 kg)

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System includes

Integrated microphone and speaker bar
Connect module, white
Connect module mounting bracket, white
Country specific, power cable 6' (2.5 m), black
Ethernet cable, CAT6 SFTP, 50' (15 m), Class 3 rated, black
USB Type A-B cable, 10' (3 m), VW-1 rated, black
Infrared remote with 2 AAA batteries
Documentation

Warranty

Integrated microphone and speaker bar and connect module – standard 2-year limited hardware
Accessories and cables – 30 days
Enhanced services and extended warranties are available through Nureva Pro subscriptions.

Part numbers

Black: **HDL300-B**

White: **HDL300-W**

Nureva Pro subscription (3 year): **NP-3Y**

Nureva Pro subscription (5 year): **NP-5Y**



We are Nureva

We believe that amazing things happen when people come together. They imagine greater possibilities, create better solutions and find greater joy in how they work and learn. It's why we create and support truly original solutions that make it astonishingly easy for our customers to connect and collaborate no matter where they are.

Connect

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