



## HDL PRO SERIES

# Nureva® HDL310 system

The HDL310 system delivers pro AV performance without the cost and complexity of a custom pro AV system. It combines a powerful connect module with one integrated microphone and speaker bar to offer advanced processing and premium features for large spaces up to 30' x 30' (9.1 x 9.1 m).

### Next-generation microphone pickup

Like all Nureva systems, the HDL310 is powered by patented Microphone Mist™ technology, which fills a space with thousands of virtual microphones for true full-room audio coverage. Because the HDL310's connect module has greater processing power and expanded memory, it unlocks more advanced audio capabilities within the technology — made possible by new algorithms that offer improved echo cancellation, speaker EQ and noise reduction.

### Simple wall-mounted installation

Installing the HDL310 is an easy task that takes about 30 minutes. You hang the unit on the wall with two screws, run one cable to the connect module and then another to a computer or other internet-connected device. 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.

### Tools to manage at scale

The HDL310 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, access developer APIs and more. With the HDL310, there's no need for a dedicated in-room PC to manage your devices. Console Direct gives you a secure, continuous connection to your account with no need to download software. You also get a 2-year subscription to Nureva Pro, which includes expanded support hours, advance hardware replacement and enhanced Nureva Console features.

## 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 enables specific optimizations that create a natural listening experience
- **Simultaneous processing** 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
- **Integrated processing** requires no separate DSP as all processing is integrated into the system
- **Console Direct** offers a secure, 24/7 network connection to Nureva Console without the need for an in-room PC



# HDL310 system – pro AV performance for rooms up to 30' x 30' (9.1 x 9.1 m)

## HDL310

---

### Technology features

Advanced Microphone Mist technology processing platform

Continuous autocalibration

Position-based gain control

Acoustic echo cancellation

Built-in sound masking

Plug and play – no software or drivers required

Ethernet cable to microphone and speaker bar

Primary audio source for video playback

Integrated, multicolor status LED

### Microphones

12 low-noise omnidirectional MEMS

Frequency response at 94 dB SPL  
100 Hz to 7 kHz

Total harmonic distortion (THD)  
0.25% (typical)

### Speakers

2 x 20 W 4" aluminum cone

Acoustic output (hardware capable):  
91 dB SPL @ 1 m

Total harmonic distortion (THD)  
0.25% (typical)

## Connect module

---

USB 2.0 interface to computer or collaboration hub, type B

Auxiliary out –  
3.5 mm single-ended stereo jack

Auxiliary in –  
3.5 mm single-ended stereo jack

2 connections to microphone and speaker bar RJ45

Console Direct RJ45 for connecting to network

Input jack for power supply

## Interoperability

---

Plug and play compatibility with UC&C platforms including Microsoft® Teams, Zoom, Google Meet™, GoTo Meeting, Cisco Webex®, BlueJeans, Lifesize®, RingCentral Meetings™ and more



Easy integration with third-party solutions such as cameras, displays, lecture capture systems, external speakers and headset microphones (for Voice Amplification Mode)

## Operating

---

### System requirements

Windows® 10 and 11

macOS® 10 and 11  
(Big Sur and Catalina)

### Power

Power rating: universal switching  
100–240 V AC, 50–60 Hz

Power consumption: <30 W

### 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

---

Includes Console Direct, which provides a continuous and secure connection to Nureva Console, our cloud-based device management platform

### Console Direct security features

Secure IoT OS and system software with device-specific X.509 certificates and external services encrypted using 256-bit Transport Layer Security (TLS)

Information security management system (ISMS) that is ISO/IEC 27001:2013 certified

Built with Microsoft Azure, all data at rest is encrypted using 256-bit AES encryption, and data in transit uses TLS 1.2

Okta Identity Cloud for all identity and access management (IAM) services with OAuth 2.0 protocols to identify and authorize users

# HDL310 system – pro AV performance for rooms up to 30' x 30' (9.1 x 9.1 m)

## Certifications and compatibility

---

### Electromagnetic

FCC Part 15, Class A; ICES-003, Class A;  
CISPR 32 (EN 55032), Class A; CISPR 35  
(EN 55035); CISPR 24 (EN 55024)

### Safety

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

### Compliance

RoHS, REACH, POPs (Persistent Organic  
Pollutants), WEEE, California Proposition  
65, EPA (TSCA – Toxic Substances  
Control Act) Restrictions

## Dimensions

---

### Integrated microphone and speaker bar

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: 8.7" (22.2 cm)  
Height: 1.46" (3.7 cm)  
Depth: 5.91" (15.0 cm)  
Weight: 0.97 lb. (0.44 kg)

### Shipping

Width: 64.75" (164.4 cm)  
Height: 10.63" (27.0 cm)  
Depth: 9.5" (24.1 cm)  
Weight: 28.0 lb. (12.7 kg)

## System includes

---

Integrated microphone and speaker bar  
Connect module, dark gray  
Connect module mounting bracket,  
dark gray  
Country specific power cable,  
6' (2.5 m), black  
Ethernet cable, CAT6 SSTP,  
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  
Extended warranties are available  
through Nureva Pro subscriptions

## Part numbers

---

Black: **HDL310-B**

White: **HDL310-W**

Nureva Pro extension (1 year): **NP-1Y**

Nureva Pro extension (2 years): **NP-2Y**

Nureva Pro extension (3 years): **NP-3Y**

# 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

Nureva Inc.

[sales@nureva.com](mailto:sales@nureva.com)

1.403.699.9781

[Book a live demo](#)

[Contact sales](#)

© 2024 Nureva Inc. All rights reserved. Nureva, Microphone Mist, the Nureva logo and the Microphone Mist logo are trademarks or registered trademarks of Nureva Inc. in the United States, Canada and other countries. All third-party product and company names are for identification purposes only and may be trademarks of their respective owners. 04/24

