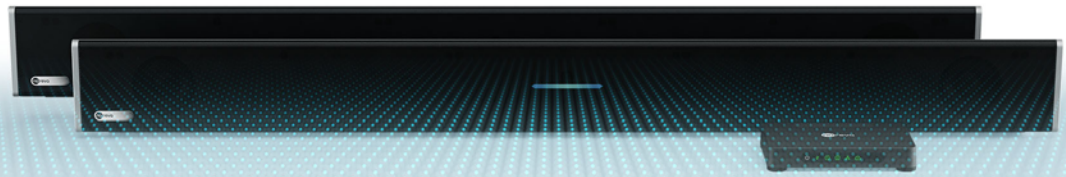

Certified for Microsoft Teams

zoom Certified

HDL PRO SERIES

Nureva® HDL410 system

The HDL410 system delivers pro AV performance without the cost and complexity of a custom pro AV system. It combines a powerful connect module with two integrated microphone and speaker bars to offer advanced processing and premium features for extra-large spaces up to 35' x 55' (10.7 x 16.8 m).

Next-generation microphone pickup

Like all Nureva systems, the HDL410 is powered by patented Microphone Mist™ technology, which fills a space with thousands of virtual microphones for true full-room audio coverage. Because the HDL410's connect module has greater processing power and expanded memory, it unlocks more advanced audio capabilities within the technology. This includes processing the physical mics from two bars together instead of separately, resulting in clearer, more consistent microphone pickup.

Simple wall-mounted installation

Installing the HDL410 is an easy task that takes about 60 minutes. You hang each unit on the wall with two screws, run one cable from each unit to the connect module and then another to a computer or other internet-connected device. Compare that to traditional systems for extra-large spaces 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 set up, manage and customize

The HDL410 includes software and services designed to keep your rooms running smoothly. Nureva Console helps you manage and monitor your devices at scale from a secure, cloud-based platform. The Nureva App makes it simple to set up and configure your HDL410, optimizing the in-room and remote audio experience. The Nureva Developer Toolkit includes cloud-based and local APIs. And every device comes with 2 years of Nureva Pro, which offers expanded support hours, advance hardware replacement and enhanced Nureva Console features.

Features

- **Unified coverage map** allows both microphone and speaker bars to work together to create a giant microphone array.
- **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.
- **Adaptive Voice Amplification** helps in-room participants hear clearly without diminishing the remote audio experience (audience mute is included).
- **Camera zones** work with sound location data to automatically switch between multiple HDMI and USB 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.

Powered by
Microphone Mist™ technology

HDL410 system — pro AV performance for rooms up to 35' x 55' (10.7 x 16.8 m)

HDL410

Technology features

Advanced Microphone Mist technology processing platform

Unified coverage map

Continuous autocalibration

Position-based gain control

Acoustic echo cancellation

Built-in sound masking

Plug and play — no software or drivers required

Ethernet cables to each microphone and speaker bar

Primary audio source for video playback

Integrated, multicolor status LED

Microphones

24 low-noise omnidirectional MEMS (12 in each microphone and speaker bar)

Frequency response at 94 dB SPL 100 Hz to 7 kHz

Total harmonic distortion (THD) 0.25% (typical)

Speakers

4 x 20 W 4" aluminum cone (2 in each microphone and speaker bar)

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 bars 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

Certified for Microsoft Teams

zoom Certified

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

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

Auth0 by Okta for all identity and access management (IAM) services with OAuth 2.0 protocols to identify and authorize users

HDL410 system — pro AV performance for rooms up to 35' x 55' (10.7 x 16.8 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 (each)

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 (box one)

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)

Shipping (box two)

Width: 64.75" (164.4 cm)
Height: 10.63" (27.0 cm)
Depth: 9.5" (24.1 cm)
Weight: 22.0 lb. (10.0 kg)

System includes

2 integrated microphone and speaker bars

Connect module, dark gray

Connect module mounting bracket, dark gray

Country-specific power cable, 6' (2.5 m), black

2 Ethernet cables, 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 bars and connect module — standard 2-year limited hardware

Accessories and cables — 30 days

Extended warranty available with purchase of Nureva Pro extension

Part numbers

Black: **HDL410-B**
White: **HDL410-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

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Book a live demo **Contact sales**

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