

DELTA-neo N2H

NDI® to HDMI™ standalone converter



DELTA-neo

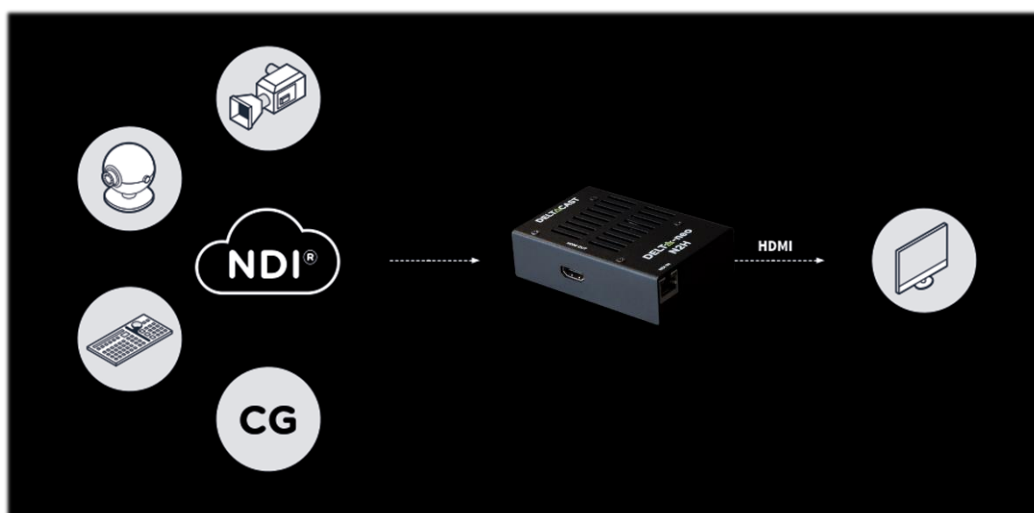
DELTA-neo is DELTACAST product range dedicated to format conversion in heterogeneous production environments.

Leveraging the broad expertise in audio and video interfacing formats developed with its sister company DELTACAST.TV, DELTA-neo aims to respond pragmatically and effectively to the new inter-connectivity challenges between baseband and IP network protocols.

DELTA-neo N2H

DELTA-neo N2H fills an important gap for all video content viewing applications across the NDI® ecosystem. It allows you to decode and visualize any NDI® stream on a wide range of HDMI™ 2.0 displays devices, TV screens and video projectors.

DELTA-neo N2H automatically detects the NDI® stream format, decode and converts it to HDMI™ with embedded audio. As opposed to the computer-based system, its hardware-based signal processing delivers stability, low latency and a small form factor not previously met on the market.



Hardware

- 1 x 1Gbps Ethernet, RJ45 (1000BASE-T) interface
- 1 x HDMI 2.0 output connector (Type A)
- Passive cooling, no fan
- 100-240V, 50/60 Hz Universal DC Input
- VESA mount (100mmx100mm) fixing
- Dimensions : 90x80x30 mm
- Weight : 227g
- PoE to DC power adapter
- USB A to DC power cable adapter

Video formats

- SD : NTSC 480i/59.97, PAL 576i/50
- HD : 720p 50/59.94/60
- HD : 1080i 50/59.94/60
- HD : 1080p 25/29.97/50/59.94/60
- UHD : not supported

Audio formats

Input: Up to 8x embedded pairs per NDI® stream
Output: 2-channel, 24-bit, 48 kHz sample rate, synchronous, selected from 8x embedded pairs

NDI® interfaces

- NDI® video stream live receiving (TCP) and decoding
- NDI® zero configuration discovery (mDNS, multicast) and registration
- Automatic source detection

HDMI™ interface

- HDMI™ uncompressed output
- Embedded audio support
- Unprotected HDCP output

Features

- Automatic power-on
- Non-volatile configuration
- Dedicated factory restore button
- Web user interface for remote configuration

Web user interface features

- Automatic power-on
- Non-volatile configuration
- Dedicated factory restore button
- Web user interface for remote configuration
- HTML5 supporting latest generation web browser

Product is designed in compliance with EU and US regulation for professional audio and video equipment's.

Product overview

The N2H allows seamless integration and deployment into your NDI infrastructure; each converters can be addressed statically or via DHCP for rapid deployment in a managed network.

The detection of the NDI streams available on the network is automatic and the choice is made quickly;
- Either locally via a button on the box
- Or remotely via the HTML5 web user interface

The web user interface available on each DELTA-neo N2H offers centralized management capabilities for all HDMI display terminals.

Audio management also allows you to choose a stereo pair from the 8 pairs in each NDI stream, giving you the ability to use DELTA-neo N2H in multilingual environments.

Automatic power-on without switches ensures continuous operation without human intervention after shutdown.

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Use cases overview

The DELTA-neo N2H has been designed to make your life easier and facilitate the integration of NDI® IP technology in numerous point-of-display of many markets;



Confidence and quality control monitoring

High resolution video stream monitoring on HDMI™ main, secondary or auxiliary computer monitors.

TV Production distribution monitoring

Real-time preview and monitoring of program, cameras, graphics or contribution feeds anywhere in the studio gallery and broadcast facility.



Stage and event

Easily add additional NDI® output monitoring capabilities on the top of any media server increasing pre-visualization environment and reducing stress in live situation. Enables wider display end-points on stage with very low latency.

Digital signage

Distribution of multimedia content on different screens in public space such as stations, airports, theme parks and shopping malls... (Kiosks, menu boards, billboards, sign boards)



Stadium and arenas

Elevating the in-stadia fan experience thru all points of video display covering topics as wayfinding, advertising, game replay, menu boards, outdoor schedules for upcoming games, host concerts / entertainment content and executive suites... (Giant, jumbotron and ribbon screens)

Corporate multimedia content distribution

Facilitates the introduction of high quality professional Video over IP in corporate communication infrastructure.

