

DELTA-neo N2H

NDI® to HDMI™ standalone converter



DELTACAST DELTA-neo

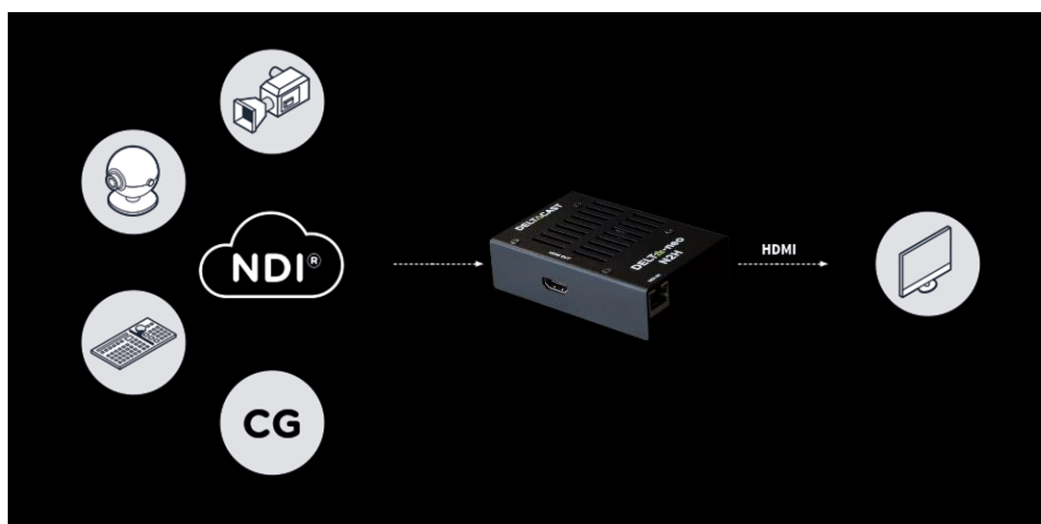
DELTA-neo is the new DELTACAST product range dedicated to format conversion in heterogeneous production environments.

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

- 1Gbps Ethernet, RJ45 (1000BASE-T) network interface
- HDMI output connector (Type A)
- VESA mount (100x100) fixing option
- Metallic enclosure
- Passive cooling, no fan.
- DC-5V external adapter (with screw locking)
- Dimensions : 90x80x30 mm

NDI® interfaces – Video input

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

HDMI interface – Video output

- HDMI uncompressed output interface
- Support of embedded audio
- Unprotected HDCP output
- Easy connect to LCD displays, TVs or projectors.

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

Features

- Remote configuration through web interface
- Non-volatile configuration
- Dedicated factory restore button
- Boot time ~10s
- Firmware update through web interface
- Failsafe firmware in case of firmware bricked

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

Product overview

DELTA-neo N2H lets you convert from NDI® coming over a LAN to uncompressed HDMI™ 2.0 in SD and HD formats up to 1080p59.94 while de-embedding audio to HDMI.

- Automatic power-on. No on/off switch button.
- System automatically selects last configuration (IP static/dynamic, and last NDI stream reception).
- NDI® Source selection is done thru web interface or by clicking source switch button on the converter.

Controller boot time should be kept between around ~10s from power on to drive of the HDMI display output.

When the last NDI stream is no more available, if another NDI stream is detected it will switch to this one. Whenever the input NDI stream is no more available the output screen goes black.

Several converters can be used on the same LAN and uniquely identified (ID #), with a different web address.

A small application will be provided for auto-discovery of converters on the network (will return a list of converters and their corresponding web access address).

This application will be provided for windows, linux and macOS.