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

**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

**Video formats**
- SD: NTSC 480i59.97, PAL 576i50
- 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

**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.
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.