

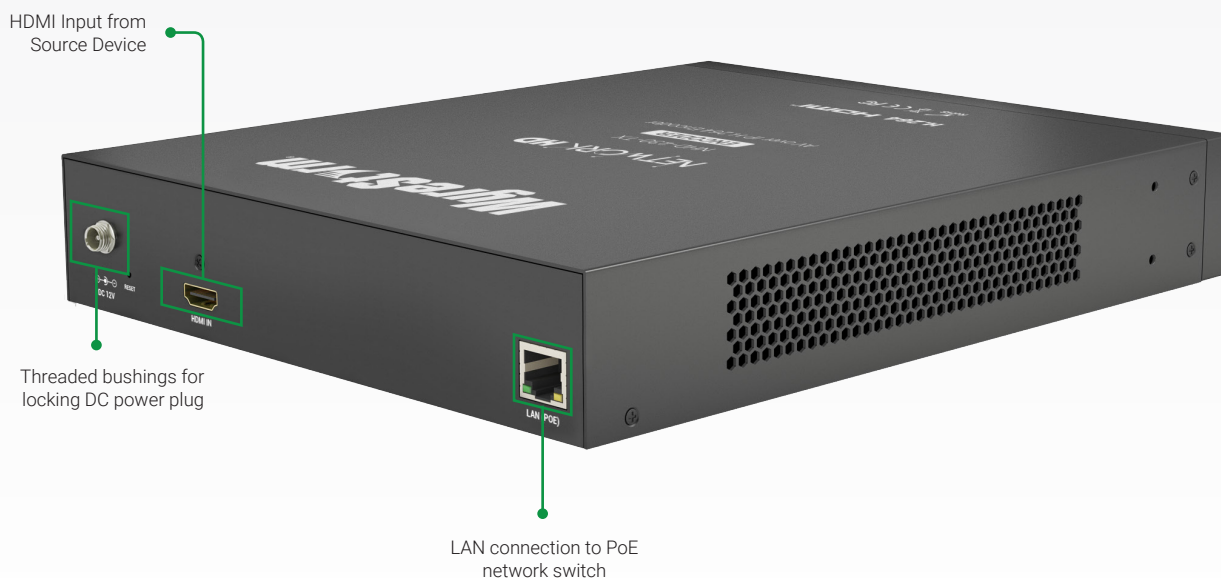
NetworkHD™ Standard H.264 AV over IP Encoder

NHD-230-TX

WyreStorm®

Specification Sheet

NETWORK HD



HDMI™ HDCP PoE H.264 AAC

WyreStorm - Because the Technology Matters.

Introduction

The NetworkHD™ Standard H.264 AV over IP Encoder is a standard H.264 encoder for streaming HDMI sources to PC's, IPTVs, set-top boxes, tablets and smartphones or any device with video decoding capabilities. It supports SD and HD resolutions and HDMI stereo audio with separate A/V encoder settings and various streaming protocols for a wide variety of applications. With support for up to 10 unicast streams or highly scalable multicast streams

The NHD-230-TX cannot be used with other NetworkHD 100/200/400/600 series decoders.

Key Features

- Standard H.264 encoder for streaming to PCs, IPTVs, set-top boxes, tablets and smartphones
- Supports all input video resolutions up to 1920x1080
- Stereo LPCM or AAC audio encoding
- UDP, RTP, Unicast and Multicast streaming support
- Supports up to 10 simultaneous unicast RSTP sessions and highly scalable multicast sessions (requires a managed network)
- Separate video and audio encoder bitrate control
- Simple Web based configuration
- PoE powered
- Web-based software upgrade

In the Box

1 x NHD-230-TX
1 x 12v DC 1A. Power Supply (US, UK, EU)

2 x Mounting Ears
1x Quickstart Guide

Specifications

| | |
|----------------------------------|--|
| Audio and Video | |
| Inputs | 1x HDMI In 19-pin HDMI type A female |
| Outputs | 1x LAN (PoE) 8-pin RJ-45 female, 10/100/1000Base-T Ethernet port LAN (POE) |
| Output Video Encoding | H.264/MPEG-4 AVC |
| Encoding Data Rate | 2~10Mb/s |
| End to End Latency | Decoder dependent – minimum of 150ms |
| Audio Formats | In: RAW (PCM 48KHz) - Out: LPCM (1.6Mb/s); AAC (32~240kbps) |
| Video Resolutions (Max) | HDMI 1920x1200 @60Hz 8bit (15m/50ft) 1920x1080p @60Hz 8bit (7m/23ft) Using Cat6 1920x1080p @60Hz 8bit (100m/328ft) |
| Color Depth | 1080p: 8bit |
| Maximum Pixel Clock | 150 MHz |
| Streaming Formats: | |
| Encapsulation Format | MPEG-2 transport stream |
| Transmission Format | TS over UDP TS over RTP |
| Transmission Method | Unicast Multicast RTP over RTSP |
| Session control | RTSP (SETUP, TEARDOWN, OPTIONS, PLAY, DESCRIBE) |
| Communication and Control | |
| HDMI | HDMI 1.4 HDCP 1.4 |
| Ethernet | 1x 8-pin RJ-45 female 10/100/1000Base-T PoE |
| Power | |
| Power Supply | 12V DC 1A |
| PoE | IEEE 802.3af 12V 1A 12.95W |
| Max Power Consumption | 10.5W (DC adapter) |
| Environmental | |
| Operating Temperature | 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing |
| Storage Temperature | -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing |
| Maximum BTU | 35.82 BTU/hr |
| Dimensions and Weight | |
| Rack Units/Wall Box | 1U |
| Height | 43.5mm/1.72in |
| Width | 220mm/8.67in |
| Depth | 178.5mm/7.03in |
| Weight | 1.2Kg |
| Regulatory | |
| Safety and Emission | CE FCC RoHS |

Right Product for the Right Application.

