

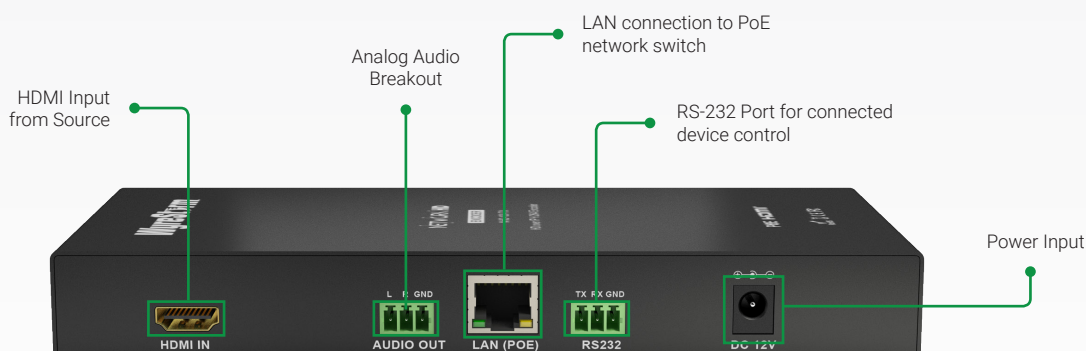
NetworkHD™ 100 Series AV Over IP H.264 Encoder

NHD-100-TX

WyreStorm®

Specification Sheet

NETWORK HD



NETWORK HD TOUCH HDMI® PoE HDCP H.264

WyreStorm - Because the Technology Matters.

Introduction

The NHD-100-TX is the source device encoder for the NetworkHD™ 100 Series, an ultra low bandwidth H.264 AV over IP solution for distribution of point-to-point, one-to-many and many-to-many AV distribution over a managed network. With its standards-based approach to video encoding, simple system configuration and robust feature set, it provides the best value in networked video distribution.

The NHD-100-TX H.264 encoder is intended for use with an NHD-100-RX H.264 decoder (sold separately) to provide a complete end-to-end video distribution system. It is also compatible with the NHD-000-CTL system controller, NHD-220-RX multiview decoder.

Key Features

- For use with the NHD-100-RX H.264 decoder to provide a complete end-to-end streaming system
- NetworkHD Touch iPad control app for live video previews and drag and drop source selection
- Features 1x HDMI input to 1x LAN (PoE) output
- Provides a scalable Multicast video stream output via Ethernet port
- Supports input signal resolution up to 1920 x 1200@60Hz
- Highly scalable, high quality, low bandwidth solution using the most efficient compression technologies to allow for very large commercial AV deployments
- Plug and Play setup with quick networking configuration and auto discovery of components
- Major control systems drivers available including the WyreStorm Enado™
- Control System
 - Supports secondary video preview stream for PC or third party user interface
 - Compatible with the NHD-000-CTL for matrix control and management via the LAN, as well as for allowing control from third party control system such as AMX, Crestron, Control4, RTI & Enado
 - Supports PoE to be remotely powered from the switch by compatible power source equipment, eliminating the need for a nearby power outlet
 - Standards-based H.264/MPEG-4 AVC video compression
 - Full PC control suite available free of charge at wyrestorm.com
 - Supports HDCP
 - Configurable encoding bit rate up to 30Mbps

In the Box

1x NHD-100-TX Encoder
1x 12v DC 1A. Power Supply
3x 3-pin Phoenix Connector

2x 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 10/100Base-T 1x Audio Out: 3-pin Phoenix
Output Video Encoding	H.264/MPEG-4 AVC
Encoding Data Rate	2~30Mb/s
End to End Latency	60~90 ms (Low latency mode) 250~300 ms (High quality mode)
Audio Formats	2ch PCM
Video Resolutions (Max)	Note: : Interlaced content at any resolution is not supported, all source content must be progressive. HDMI: 1920x1200p @60Hz 8bit (15m/50ft) Cat6/6a/7 Output: 1920x1200p @60Hz 8bit (100m/328ft Point to Point)
Color Depth	8bit
Maximum Pixel Clock	150 MHz
Communication and Control	
HDMI	HDMI HDCP 1.4
Ethernet	1x 8-pin RJ-45 female 10/100Base-T PoE
RS-232	1x RS-232: 3-pin Phoenix
Power	
Power Supply	12V DC 1A
PoE	IEEE 802.3af 12V 1A 12.95W
Max Power Consumption	6W (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	20.47 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	<1U
Height	25mm/0.98in
Width	200mm/7.87
Depth	94mm/3.7in
Weight	0.6kg/1.32lbs
Regulatory	
Safety and Emission	CE FCC RoHS

Right Product for the Right Application.

