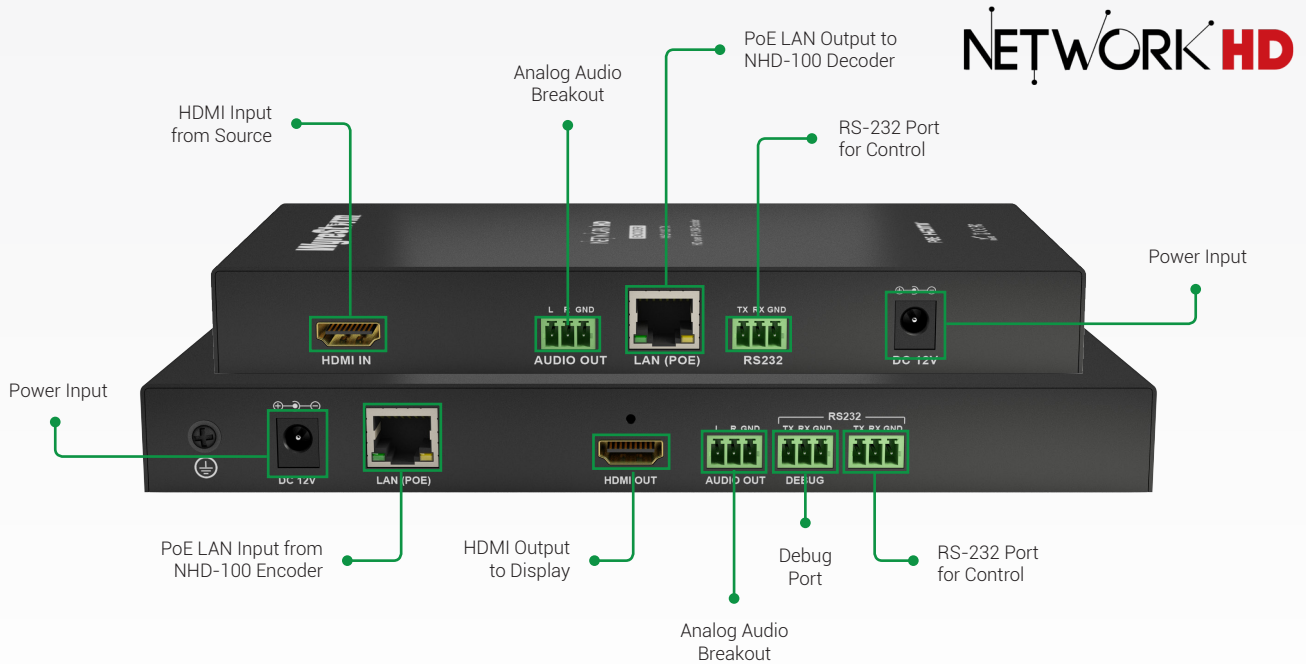


**NetworkHD™ 100 Series AV Over IP H.264 Encoder/Decoder**  
**NHD-100-TX | NHD-100-RX v2**



NETWORK HD TOUCH HDMI POE HDCP H.264

*WyreStorm - Because the Technology Matters.*

**Introduction**

Moving on from the first generation WyreStorm NetworkHD™ IP Series, AV over IP takes a leap forward for Pro AV integrators with the NetworkHD 100 Series utilizing H.264 compression for the ultimate in high quality, low bandwidth, highly expandable modular HD distribution over a managed gigabit network.

A cost effective AV over IP matrix solution for the distribution of multiple HD sources to multiple individual HD display devices, the 100 Series is a robust and infinitely scalable matrix distribution over a network that takes its cues from its previous JPEG2000 incarnation. Built around a modular and highly scalable infrastructure design, the 100 Series easily allows the number of sources or zones to be expanded by simply adding more transmitters or receivers offering a total convergence between IT and audio video design.

**Key Features**

- Highly scalable, high quality low-bandwidth solution using the most efficient compression technologies to allow for very large commercial AV deployments
- Streams HDMI signals over IP networks
- Plug and Play setup with quick networking configuration and auto discovery of components
- Quick Sync™ technology for instantaneous seamless switching
- Full RS-232 control of connected displays and CEC One-Touch Play
- Major control systems drivers available including the WyreStorm Enado™ Control System
- NetworkHD Touch iPad control app for live video previews and drag and drop source selection

**In the Box**

- 1x NHD-100-TX or NHD-100-RX
- 1x 12v DC 1A. Power Supply
- 3x 3-pin Phoenix Connector
- 2x Mounting Ears
- 1x Quickstart Guide

# Specifications

<b>Audio and Video</b>	
<b>Inputs</b>	TX: 1x HDMI In 19-pin HDMI type A female RX: 1x LAN (PoE) 8-pin RJ-45 female   10/100Base-T
<b>Outputs</b>	TX: 1x LAN (PoE) 8-pin RJ-45 female   10/100Base-T RX: 1x HDMI Out 19-pin HDMI type A female TX/RX: 1x Audio Out: 3-pin Phoenix
<b>Output Video Encoding</b>	H.264/MPEG-4 AVC
<b>Encoding Data Rate</b>	2~30Mb/s
<b>End to End Latency</b>	60~90 ms (Low latency mode)   250~300 ms (High quality mode)
<b>Audio Formats</b>	2ch PCM
<b>Video Resolutions (Max)</b>	<b>Note:</b> Interlaced content at any resolution is not supported, all source content must be progressive. TX: HDMI: 1920x1200p @60Hz 8bit (15m/50ft)   Cat6/6a/7: 1920x1200p @60Hz 8bit (100m/328ft Point to Point) <b>Note:</b> The v2 of the NHD-100-RX cannot output resolutions higher than 1920x1080p @60Hz. RX: HDMI: 1920x1080p @60Hz 8bit (15m/50ft)   Cat6/6a/7: 1920x1080p @60Hz 8bit (100m/328ft Point to Point)
<b>Color Depth</b>	8bit
<b>Maximum Pixel Clock</b>	150MHz
<b>Communication and Control</b>	
<b>HDMI</b>	HDMI   HDCP 1.4
<b>Ethernet</b>	1x 8-pin RJ-45 female   10/100Base-T   PoE
<b>RS-232</b>	1x RS-232: 3-pin Phoenix
<b>Power</b>	
<b>Power Supply</b>	12V DC 1A
<b>PoE</b>	IEEE 802.3af   12V 1A 12.95W
<b>Max Power Consumption</b>	6W (DC adapter)
<b>Environmental</b>	
<b>Operating Temperature</b>	32°F ~ 113°F (0°C ~ 45°C)   10% ~ 90%, non-condensing
<b>Storage Temperature</b>	-4°F to ~ 158°F (-20°C ~ +70°C)   10% ~ 90%, non-condensing
<b>Maximum BTU</b>	20.47 BTU/hr
<b>Dimensions and Weight</b>	
<b>Rack Units/Wall Box</b>	<1U
<b>Height</b>	25mm/0.98in
<b>Width</b>	200mm/7.87
<b>Depth</b>	94mm/3.7in
<b>Weight</b>	0.6kg/1.32lbs
<b>Regulatory</b>	
<b>Safety and Emission</b>	CE   FCC   RoHS

*Right Product for the Right Application.*

