

NETWORKHD HDMI HDCP

WyreStorm - Because the Technology Matters.

Introduction

The NHD-140-TX is a 4 input to 4 network stream device encoder compatible with the NetworkHD™ 100 and 200 Series, an ultra low bandwidth H.264 AV over IP solution for distribution of point-to-point, one-to-many and many-to-many over a managed network. With its standards-based approach to video encoding, fast and simple system configuration and robust feature set, it provides the best value in networked video distribution. The NHD-140-TX H.264 encoder is intended for use with 100 or 200 Series H.264 decoders (sold separately) to provide a complete end-to-end video distribution system. When used in conjunction with the NHD-000-CTL system controller complete control integration is simple.

Key Features

- Ultra low network bandwidth compact encoder for up to 4 simultaneous HDMI inputs
- 4 streams over 1 Ethernet connection reduces network switch requirements
- Hugely scalable I/O, utilizing multicast technology to allow for very large commercial AV deployments
- Supports all SD and HD video formats - including interlaced content
- Configurable encode bandwidth and audio delay
- Seamlessly integrates with NetworkHD™ 100 and 200 Series decoders
- NetworkHD Touch™ control app for live video previews with drag and drop source selection
- Utilizes bandwidth-efficient H.264 encoding for visually lossless HD video distribution
- Features 4x HDMI inputs to 1 output via Ethernet port
- Plug and Play setup with quick networking configuration and auto discovery of components
- Live video unicast preview streams for use with NetworkHD Touch or a custom control UI
- Standards-based H.264/MPEG-4 AVC video compression
- Batch firmware update and batch settings functions offers a massive reduction on installation times

In the Box

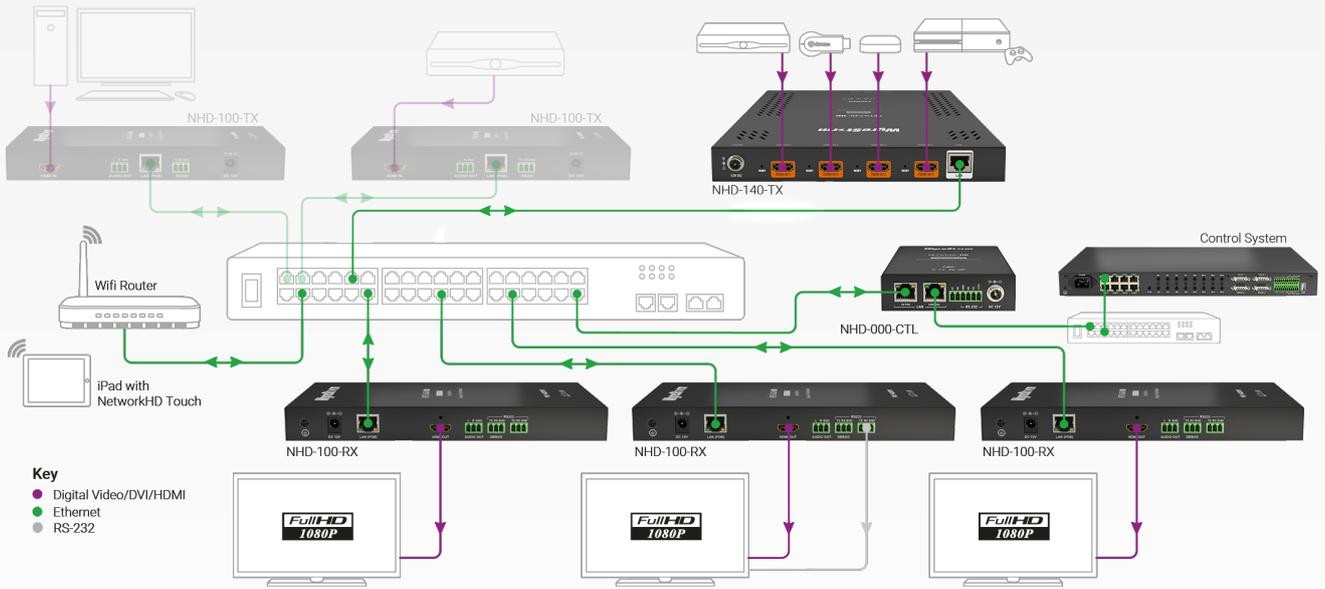
1x NHD-140-TX Encoder
1x 12V DC Power Supply (US | UK | EU)
2x Rack Mounting Brackets

2x Wall Mounting Brackets
1x Quickstart Guide

Specifications

Audio and Video	
Inputs	4x HDMI In: 19-pin HDMI Type A
Outputs	1x LAN: 8-pin RJ-45 (AV Transmission to RX)
Output Video Encoding	H.264
Encoding Data Rate	Max: 30Mb/s – per stream (120 Mb/s total)
End to End Latency (Max)	~79ms (low latency mode) ~250ms (high quality mode)
Audio Formats	2ch LPCM 48KHz
Video Resolutions (Max)	All resolutions listed are 8bit RGB. 1920x1080p @24/25/30/50/60Hz 1920x1080i @25/30Hz 1280x720p @50/60Hz 720x576p @50Hz 720x576i @25Hz 720x480p @60Hz 720x480i @30Hz 1680x1050 1400x1050 1280x1024 1440x900 1280x800 1366x768 1360x768 1024x768 800x600 640x480 @ 60Hz:
Maximum Pixel Clock	165MHz
Communication and Control	
HDMI	HDCP 1.4
Ethernet	1x LAN: 8-pin RJ-45 ANSI/TIA-568 8P8C, 1000Base-T
Power	
Power Supply	12V DC
Max Power Consumption	19.44W
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	68 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	<1U flat on shelf 6U in NHD-000-RACK4 1U in NHD-140-RACK-1U
Height	25mm/1in
Width	215mm/8.46in
Depth	260.2mm/10.24in
Weight	1.46kg/3.21lbs
Regulatory	
Safety and Emission	CE FCC RCM RoHS

Right Product for the Right Application.



Note: WyreStorm reserves the right to change product specification, appearance or dimensions of this product at any time without prior notice.