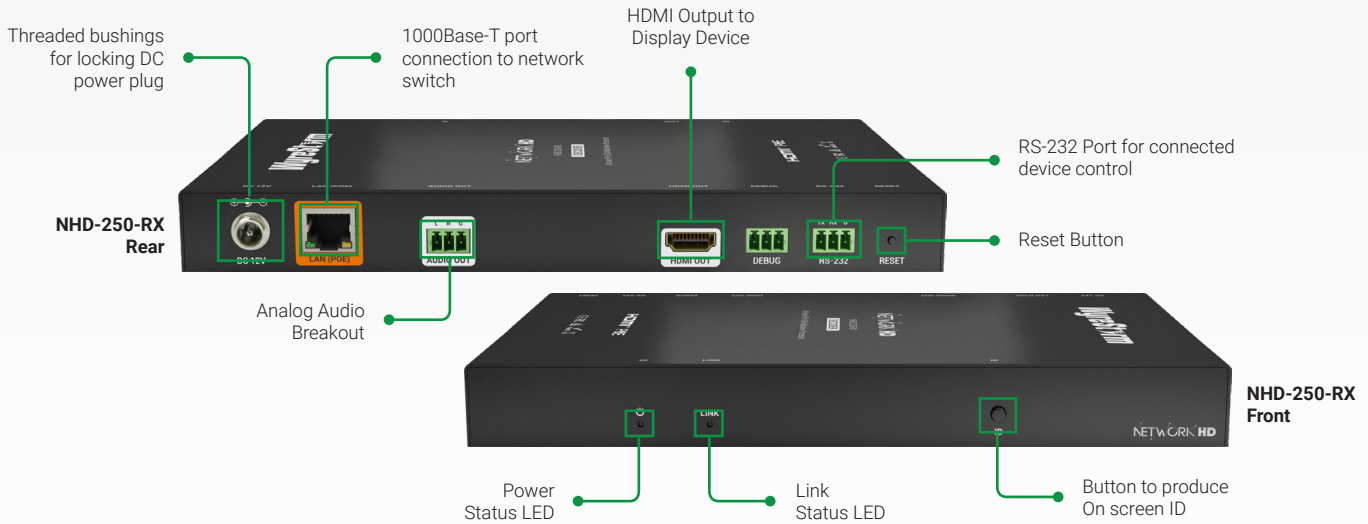


**NetworkHD™ 200 Series AV over IP
H.264 Multiview Processor
NHD-250-RX v1**

NETWORK HD



NETWORK HD HDMI HDCP PoE

WyreStorm - Because the Technology Matters.

Introduction

The NHD-250-RX is an enhanced multiview display decoder 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. Capable of displaying up to 9 simultaneous video feeds on a single display in tile mode and up to 6 inputs in overlay mode, users can select configurable layouts using grid style or layered modes. The NHD-250-RX H.264 decoder is intended for use with 100 or 200 Series H.264 encoders (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

- Multiview capable of displaying 1 to 9 simultaneous NetworkHD 2K encoder streams on a single 4K display
- Up to 6 simultaneous NetworkHD 2K encoder streams on a single 2K display in overlay mode
- Ideal for commercial monitoring of remote displays within a venue from a central location to quickly verify content transmitted to screens
- Multiple configurable layouts including hybrid grid layouts, PiP, PaP, arbitrary layouts and preset multiscreen arrangements
- Graphic or logo can be inserted into central image placeholder for screen indication or additional branding
- Configurable resolution output scaling, timing and mode
- Instant switching with WyreStorm QuickSync™
- RS-232 with integration with leading 3rd party control systems, including WyreStorm Enado and the NetworkHD Touch app
- CEC control of connected displays
- Analog audio breakout
- Configurable source audio switching
- Multiple NHD-250-RX units can be combined to suit the monitoring needs of the project
- Dramatically reduces the number of components required to monitor a venue - less decoders and screens - for reduced project complexity and less potential points of failure within installations
- Also provides video wall-like functionality on large screens or multiple screens combined with different layouts for custom display configurations
- Backwards compatible - able to be added to any existing NetworkHD 100/200 Series system
- IEEE 802.3af PoE compliant PD
- Compatible with NHD-000-RACK4 rack mounting kit

In the Box

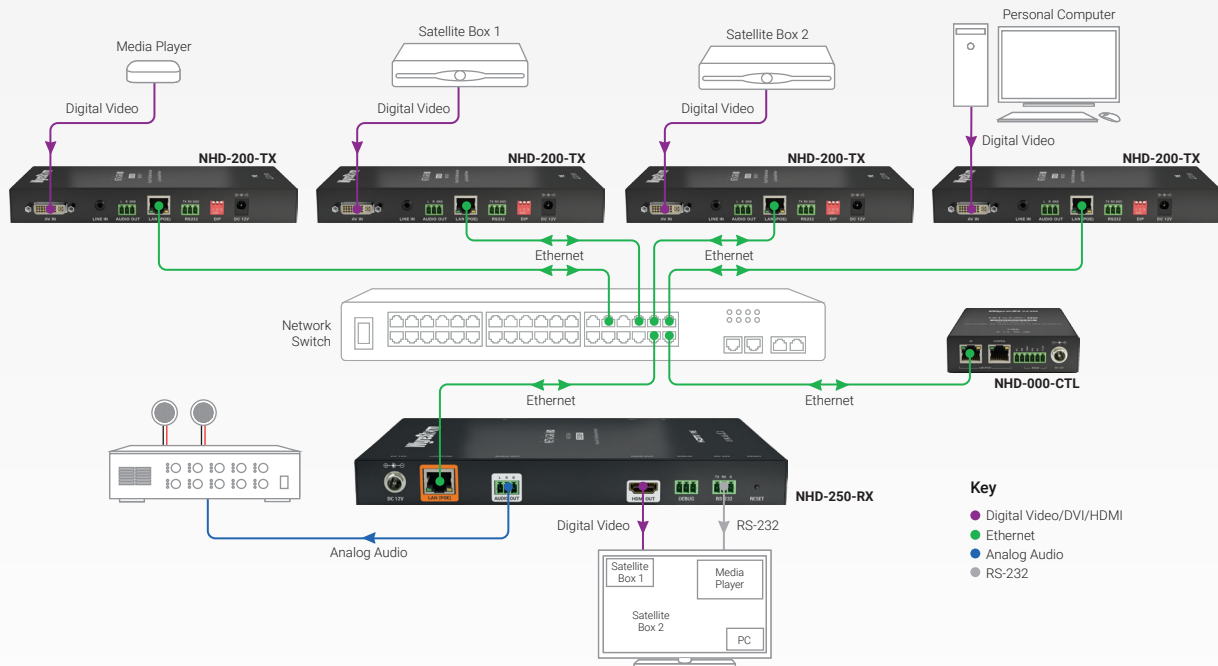
- 1x NHD-250-RX Decoder
- 1x 12V DC Power Supply (US | UK | EU)
- 3x 3-pin Phoenix Connectors

- 2x Rack Mounting Brackets
- 2x Wall Mounting Brackets
- 1x Quickstart Guide

Specifications

Audio and Video	
Inputs	1x 8-pin RJ-45 (Transmission from TX)
Outputs	1x HDMI Out: 19-pin HDMI Type A 1x Audio Out: 3-pin Terminal Block (3.5mm)
Output Video Encoding	H.264
Decoding Data Rate	Max: 30Mb/s per stream
End to End Latency (Max)	~80ms (low latency mode) ~300ms (high quality mode)
Audio Formats	2ch LPCM 48KHz
Video Resolutions (Max)	All resolutions listed are 8bit RGB or 4:4:4 8bit: 3840x2160p @24/30/60Hz (Tile mode only) 1920x1080p @24/25/30/50/60Hz 1280x720p @30/50/60Hz 720x576p @50Hz 720x480p @60Hz 60fps Progressive: 640x480 800x600 1024x768 1280x800 1280x1024 1360x768 1366x768 1400x1050 1440x900 1600x1200 1680x1050 1920x1200
Maximum Pixel Clock	594MHz
3D	N/A
Communication and Control	
HDMI	HDCP 1.4 CEC
Ethernet	1x LAN (PoE): 8-pin RJ-45 ANSI/TIA-568 8P8C, 1000Base-T, PoE PD (IEEE 802.3af)
RS-232	2x RS-232: 4-pin Terminal Block (3.5mm) 2-Way
Power	
Power Supply	12V DC
PoE	IEEE 802.3af (15.4W at PSE)
Max Power Consumption	8.3W (with PSU)
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	31 BTU/hr
Dimensions and Weight	
Rack Units/Wall Box	<1U flat on shelf 6U in NHD-000-RACK4
Height	25mm/1in
Width	220mm/8.67in
Depth	130mm/5.12in
Weight	0.78kg/1.72lbs
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.