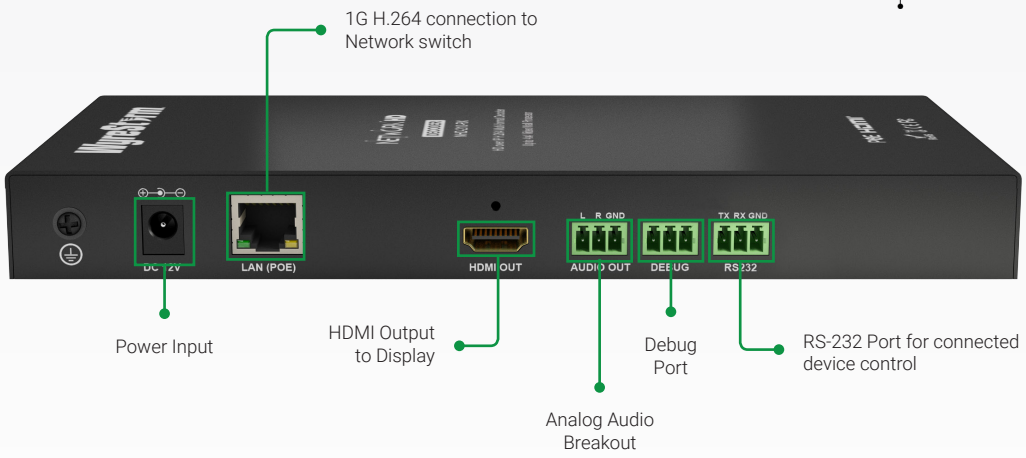
NetworkHD™ 200 Series AV over IP H.264 Decoder with Video Wall Processing

NHD-210-RX v2

Specification Sheet



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Introduction

The NHD-210-RX is the video wall display decoder for the NetworkHD™ 200 Series, an ultra low bandwidth H.264 AV over IP solution with all the functionality of the NetworkHD 100 series but with powerful video wall processing functionality up to 10x10 screens.

The NHD-210-RX H.264 decoder is intended for use with an NHD-200-TX H.264 encoder (sold separately) to provide end-to-end streaming to video wall displays. It is also compatible with the NHD-000-CTL system controller.

Key Features

- Highly scalable, high quality low-bandwidth solution using the most efficient compression technologies to allow for very large commercial AV deployments
- NetworkHD Touch iPad control app for live video previews and drag and drop source selection
- Offers video wall functionality up to 10x10 screens
- Matrix switching functionality
- Compatible with NHD-000-CTL controller and NHD-200-TX encoder
- Plug and Play setup with quick networking configuration and auto discovery of components
- Full RS-232 control of connected displays and CEC One-Touch Play / Standby commands via HDMI
- Major control systems drivers available including the WyreStorm Enado™ Control System
- QuickSync™ technology for virtually instantaneous seamless switching
- Use with the NetworkHD controller (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 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

In the Box

1 x NHD-210-RX
1 x 12v DC 1A. Power Supply
3x 3-pin Phoenix Connector
2 x Mounting Ears
1x Quickstart Guide

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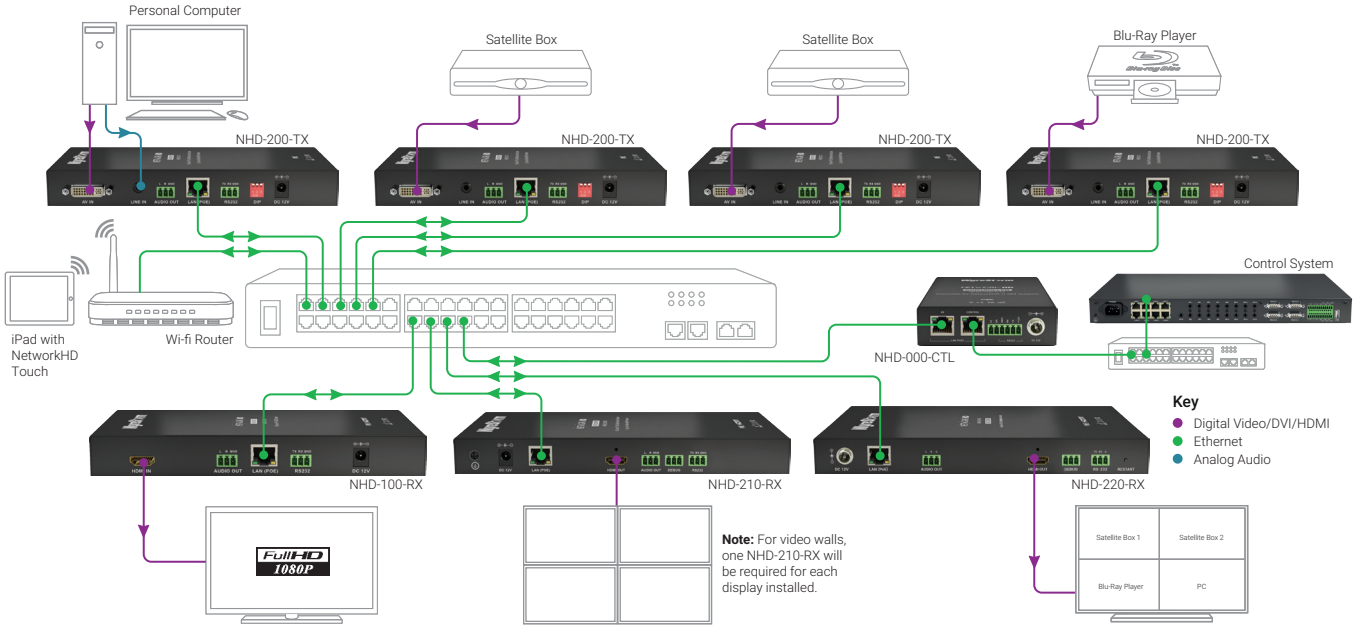
Specifications

Audio and Video	
Inputs	1x LAN (PoE) 8-pin RJ-45 female | 10/100/1000Base-T
Outputs	1x HDMI In 19-pin HDMI type A female 1x Audio Out: 3-pin Phoenix
Output Video Encoding	H.264/MPEG-4 AVC
Encoding Data Rate	2~30Mb/s
End to End Latency (Max)	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: 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 | 10/100/1000Base-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 With | Without Feet	25mm/0.98in
Width With | Without Brackets	228mm/8.98
Depth With | Without Handles	111mm/4.37in
Weight	0.6kg/1.32lbs
Regulatory	
Safety and Emission	CE | FCC | RoHS

Right Product for the Right Application.