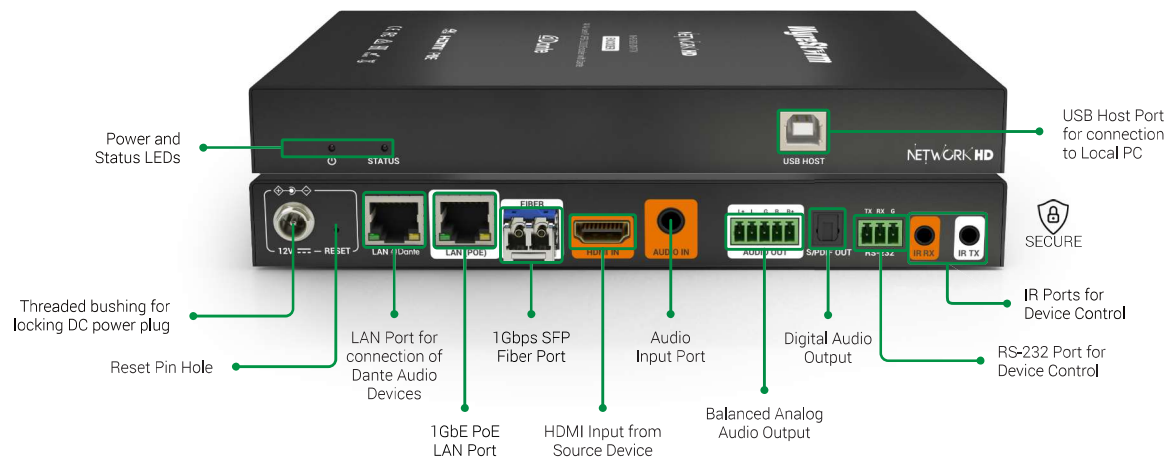


NetworkHD 500 Series (JPEG 2000)

NHD-500-DNT-TX



Key Features

- HDMI 2.0 encoding/decoding up to 4K60 4:4:4 8bit with Dolby Vision/HDR compatibility
- 2CH Dante/AES67 network audio output
- Ethernet or Fiber connections (550m w/ OM3 MMF or 10km with SMF)
- USB connectivity for extension and routing of USB peripheral devices
- Ultra-low latency transmissions of less than a single video frame
- High definition preview streams for control system interfaces

In the Box

- 1x NHD-500-DNT-TX Transmitter
- 1x IR Emitter
- 1x IR Receiver
- 2x Wall Mounting Brackets
- 2x Rack Mounting Brackets
- 1x 3-pin Terminal Block
- 1x 5-pin Terminal Block

Specifications

Audio and Video	
Inputs/Outputs	1x HDMI In 1x 3.5mm TRS Analog In 1x 5-pin Balanced Analog Out 1x Toslink Digital Out
Maximum Pixel Clock	600Mhz
Max Video Resolutions	4096x2160p @ 60Hz 8bit 4:4:4 or RGB 3840x2160p @ 60Hz 12bit 4:2:2 Dolby Vision 3840x 2160p @ 60Hz 10bit 4:2:2 HDR10/HLG 1920x1080p @60Hz 12bit
Audio Formats	Passthrough: 2ch PCM and up to DTS:X and Dolby Atmos ARC: 2ch PCM and up to Dolby Digital+ and DTS 5.1 Dante/AES67: 2CH PCM
Supported Standards	RGB DCI USB
Output Video Encoding	JPEG 2000
Encoding Data Rate	Max: 850Mbps (Configurable)
End to End Latency	1 video frame latency (pass-through mode) 16ms @ 4K60 2 video frames latency (scaler/VW mode)
Communication and Control	
HDMI	HDMI 2.0b HDCP 2.2 CEC EDID ARC
Network	1x 1GbE RJ45 1x 1GbE RJ45 Dante Out 1x 1Gbps SFP Supported SFP Modules: (1000Base-SX: 550m using OM3 multi-mode) (1000Base-LX: 5km using single-mode) (1000Base-LX10: 10km using single-mode)

RS-232	1x 3-Pin Phoenix Connector 2-way API Programmable
IR	1x IR TX 3.5mm TS Mono Jack API Programmable 1x IR RX 3.5mm TRS Stereo Jack API Programmable
USB	1x USB 2.0 Type-B Host (Max 300Mbps upstream)
Security Protocols	AES 128 SSH TLS HTTPS
Power	
Power Supply	12V DC 1A 802.3af PoE Compliant
Power Consumption	Max: 15.4w Average: 8w
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	51.18 BTU/hr
Dimensions & Weight	Length x Width x Height: 215mm x 120mm x 25mm Weight: 1.75lbs
Regulatory	
Safety and Emission	CE FCC RoHS EAC RCM