

# WyreStorm NHD-400-RX NetworkHD 400 Series 4K AV over IP JPEG2000 Decoder

<b>Audio and Video</b>	
Inputs	1x 8-pin RJ-45 female - 10/100/1000 Mbps auto- negotiating
Outputs	1x HDMI Out 19-pin type A   Audio: 3.5mm Mini-Jack   1x Audio Out: 3.5mm (1/ 8in) TRS Stereo Jack
Output Video Encoding	JPEG-2000
Encoding Data Rate	Max: 850Mbps - Typical: 150~300Mbps
End to End Latency	1 frame latency 720p @60fps: 16ms   1080i @30fps: 33ms   1080p @60fps: 16ms   2160p @30fps: 33ms
Audio Formats	2 Ch LPCM & 8 Ch LPCM 5.1 Ch LPCM (Dolby, Dolby Pro Logic, DTS) 7.1 Ch LPCM (Dolby TrueHD, DTS-HD, Dolby Atmos, DTS:X)
Video Resolutions (Max)	<b>HDMI</b> 640x480i @60Hz 8bit (15m/50ft) 1280x720p @60Hz 10bit (15m/50ft) 1920x1080i @60Hz 12bit (15m/50ft)   1920x1080p @60Hz 12bit (15m/50ft) Input: 3840x2160p @60Hz 4:2:0/4:4:4 8bit (7m/23ft)   @24Hz 4:2:0 HDR 10bit (3m/ 9.8ft) Output: 3840x2160p @30Hz 4:4:4 8bit (7m/23ft)   @24Hz 4:2:0 HDR 10bit (3m/ 9.8ft) <b>Ethernet (Cat6/6a/7)</b> 640x480i @60Hz 8bit (100m/328ft Point to Point) 1280x720p @60Hz 10bit (100m/328ft Point to Point) 1920x1080i @60Hz 12bit   1920x1080p @60Hz 12bit (100m/328ft Point to Point) 3840x2160p @60Hz 4:2:0/4:4:4 8bit   @24Hz 4:2:0 HDR 10bit (100m/328ft Point to Point) Input: 3840x2160p @60Hz 4:2:0/4:4:4 8bit   @24Hz 4:2:0 HDR 10bit (100m/328ft Point to Point) Output: 3840x2160p @30Hz 4:4:4 8bit   @24Hz 4:2:0 HDR 10bit (100m/328ft Point to Point)
Color Depth	1080p: 16bit   4K UHD: 8bit   HDR @24p: 4:2:0 10bit BT.2020
Maximum Pixel Clock	Up to 300 MHz
3D	HDMI 1.4b 3D: TnB, SbS, F.P
<b>Communication and Control</b>	
HDMI	HDCP 2.2 CEC
Ethernet	1x LAN (PoE): 8-pin RJ-45 female 10/100/1000Mbps PoE
IR	1x IR TX: 3.5mm (1/8in) TS Mono Jack 1x IR RX: 3.5mm (1/8in) TRS Stereo Jack Bidirectional Over Ethernet
RS-232	1x RS-232: 4-pin Phoenix Connector 2 Way (RX only)
<b>Power</b>	
Power Supply	12V DC 1A
PoE	Standard
Max Power Consumption	15W
<b>Environmental</b>	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) 10% ~ 90%, non-condensing
Storage Temperature	-4°F to ~ 158°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing
Maximum BTU	51.18 BTU/hr
<b>Dimensions and Weight</b>	
Rack Units   Wall Box	0.56U Flat on Shelf   5U in NHD-000-RCK
Height Wit   Without Feet	N/A   25mm/0.99in
Width With   Without Brackets	250mm/9.85in   220mm/8.67in
Depth With   Without Handles	N/A   130.4mm/5.14in
Weight	0.75Kg (unpacked)
<b>Regulatory</b>	
Safety and Emission	CE   FCC   RoHS