

SPECIFICATIONS

Audio and Video

Inputs	1x 8-pin RJ-45 female (Transmission from TX)
Outputs	1x HDMI Out 19-pin type A 1x Audio Out: 5-Pin Phoenix
Output Video Encoding	JPEG 2000
Encoding Data Rate	Max: 850Mbps
End to End Latency (Max)	1 video frame latency (pass-through mode) 16ms @60fps 2 video frames latency (scaler/VW mode) 33ms @60fps
Audio Formats	2ch PCM Multichannel: LPCM and Up to DTS-X and Dolby Atmos
Video Resolutions (Max)	1280x720p @50/59.94/60Hz 12bit 4:4:4/RGB 1920x1080i @29.97/30Hz 12bit 4:4:4/RGB 1920x1080p @23.98/24/25/29.97/30/50/59.94/60Hz 12bit 4:4:4/RGB 3840x2160p @23.98/24/25/29.97/30Hz 10/12bit 4:2:2/4:2:0 HDR10 HLG 3840x2160p @23.98/24/25/29.97/30Hz 8bit 4:4:4/RGB 3840x2160p @50/59.94/60Hz 8bit 4:2:0 720x480p @59.94/60Hz 12bit 4:4:4/RGB 720x576p @50Hz 12bit 4:4:4/RGB 60fps Progressive 4:4:4/RGB: 640x480 800x600 1024x768 1280x800 1280x960 1280x1024 1360x768 1366x768 1400x1050 1440x900 1600x1200 1680x1050 1920x1200
Supported Standards	HDR10 HLG BT.2020 BT.709 3D Video
Maximum Pixel Clock	300MHz
3D	HDMI 1.4b 3D: TnB, SbS, F.P

Passthrough mode:

Output at RX matches input at TX except for:

- 1) YUV 4:2:0 converted to 8bit RGB
- 2) For resolutions above 1920x1200 at 50/60Hz framerate is halved

Scaler mode:

User-selectable scaled output

- 1) All formats converted to 8bit RGB
- 2) Up to 3840x2160p @30Hz

Communication and Control

HDMI	HDCP 2.2 CEC
Ethernet	1x LAN (PoE): 8-pin RJ-45 ANSI/TIA-568 8P8C, 1000Base-T, PoE PD (IEEE 802.3af)
USB	2x USB Device: USB Type A Power: 5v 500ma per port Data Rate: Max 9MB/s
IR	1x IR TX: 3.5mm (1/8in) TS Mono 1x IR RX: 3.5mm (1/8in) TRS Stereo Bidirectional Over Ethernet
RS-232	1x RS-232: 4-pin Phoenix Connector 2 Way (RX only)

Power

Power Supply	12V DC 1A
PoE	IEEE 802.3af (15.4W at PSE)
Max Power Consumption	8W (with PSU)

Environmental

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

Dimensions & 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	0.75kg/1.65lbs

Regulatory

Safety and Emission	CE FCC RoHS
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