

SPECIFICATIONS

Connectivity

Inputs	1x HDMI In: 19-pin HDMI Type A Receptacle 1x Audio In: 3.5mm TRS Stereo Jack Socket 1x IR RX: 3.5mm TRS Jack Socket
Outputs	1x LAN (PoE): 8P8C "RJ45" Socket ANSI/TIA-568 1x Audio Out: 3.5mm TRS Stereo Jack Socket 1x USB Host: USB 2.0 Type B Receptacle 1x RS-232: 3-pin Phoenix 1x IR TX: 3.5mm TS Jack Socket

Transmission

Transmission Encoding	Proprietary stream encoding. Video compression based on JPEG 2000 Dante / AES67 compliant audio stream encoding
End to End Latency	With RX, 1 video frame (Passthrough mode) 2 video frames (scaling/video wall) e.g. 16ms @ 60Hz
Max Transmission Bit Rate	850Mb/s

Video

HDMI	300MHz Max.TMDS Clock
Maximum Data Rate	8.91Gb/s HDMI

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	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
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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
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Audio

Audio Formats	PCM up to 8ch Bitstream audio formats including Dolby Atmos & DTS:X 2ch Analog Dante: Up to 2ch PCM (HDMI) 2ch Analog
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Communication and Control

Ethernet	IEEE 802.1ab 1000BASE-T
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HDCP	HDCP 2.2 1.x
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EDID	Programmable EDID EDID Copy/Import Custom EDID
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RS-232	Programmable RS-232 Commands Custom Command Generation (RX Only)
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IR	Custom Command Generation
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Dante	Full compatibility with Audinate control and management software tools for Dante
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INSTALLATION & MOUNTING

Compatible Rack Mount Kit	NHD-000-RACK4
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Included Accessories	Wall Mount Brackets Brackets for NHD-000-RACK4 Infrared Cables RS-232 Terminal Block
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Orientation	Observe product chassis text
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Power

Power Over Ethernet	IEEE 802.3af (15.4W at PSE)
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External Power Supply	Optional part: PSU-12V-1A
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Nominal Power Consumption	8W
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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 RCM CE LVD RoHS
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