

WyreStorm NHD-610-TX NetworkHD 610 Series 4K60 10GbE SDVoE Decoder

AUDIO & VIDEO

Inputs

TX:

1x HDMI 2.0
1x 5-pin Balanced Analog Audio

RX:

1x HDMI 2.0 (Switchable)
1x 5-pin Balanced Analog Audio
1x 10GbE 8-Pin RJ45

Outputs

TX:

1x HDMI 2.0 Loop Out
1x 5-pin Balanced Analog Audio Out
1x 10GbE 8-Pin RJ45

RX:

1x HDMI 2.0 Output
1x 5-pin Balanced Analog Audio Out

Maximum Pixel Clock

600MHz

Output Video Encoding

SDVoE Pixel Pipeline | Dante/
AES67 proprietary protocols

Encoding Data Rate

1080p@60Hz 8bit - 3.4Gbps
4K UHD@30Hz 4:4:4 8bit - 6.4Gbps
4K UHD@60Hz 4:4:4 8bit - 8.7Gbps (with light compression)

Max End to End Latency

Genlock Mode: Uncompressed = 30us, Compressed <120us
Fast Switch Mode: 1~2 video frames = min. between 16.7 - 33.4ms @ 60fps

Video Resolution (Max)

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

Supported Standards

RGB | DCI | USB

COMMUNICATION & CONTROL

HDMI

HDMI 2.0b | HDCP 2.2 | CEC | EDID

LAN

1x 1GbE 8-pin RJ45 (Auxiliary Lan)

RS-232

1x 3-pin Phoenix Connector | 2 Way | Broadcast | Routed | API Programmable

IR

1x IR TX 3.5mm TS Mono Jack | API Programmable
1x IR RX 3.5mm TRS Stereo Jack | API Programmable

USB

TX:

3x USB 2.0 Type A

1x USB 2.0 Type B Host

USB Bandwidth: 480Mbps

RX:

3x USB 2.0 Type A

1x USB 2.0 Type B Host

USB Bandwidth: 480Mbps

POWER

Power Supply

12V 2A DC PSU | 802.3at PoE+ Compliant

Power Consumption

Max: 24w | Average: 10w