

WyreStorm NHD-500-E-TX NetworkHD 500 Series Lite 4K60 4x4x4 Encoder

AUDIO & VIDEO

Inputs/Outputs

- 1x HDMI 2.0b Input
- 1x 5-Pin Balanced Audio Output

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

Audio Formats

- **HDMI passthrough:** up to Dolby Atmos & DTS:X
- **ARC:** up to Dolby Digital Plus 5.1 or DTS 5.1

Supported Standards

- RGB | DCI | BT.2020

Maximum Pixel Clock

- 600Mhz

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 & CONTROL

HDMI

- HDMI 2.0b | HDCP 2.2 | CEC | EDID | ARC

LAN

- 1x 1GbE 8-Pin RJ45

IR

- 1x 3.5mm TX | API Programmable (TX only)

RS-232

- 1x 3-Pin Phoenix Connector | 2-way | API Programmable (RX only)

Security Protocols

- AES 128 | SSH | TLS | HTTPS

POWER

Power Supply

- 12V DC 1A | 802.3af PoE Compliant