

WyreStorm NHD-600-TX NetworkHD 600 Series 4K HDR Premium AV over IP SDVoE Encoder

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The NetworkHD™ Premium AV over IP SDVoE Encoder offers the ultimate AVoIP platform. Supporting highly scalable, high-bandwidth, secure video content alongside multi-channel audio and a plethora of connectivity and control options the 10GbE system is easily managed in a flexible, unified software environment. Utilizing the SDVoE technology standard, truly lossless and latency-free video distribution can be achieved over IP networks.

Features:

- Highly scalable deployment utilizing multicast IP streams can achieve I/O numbers unthinkable by traditional fixed matrix alternatives
- Supports 4K UHD and DCI resolutions at upto 60fps RGB or YUV 4:4:4
- HDCP 2.2 and HDCP 1.x support
- HDMI or DisplayPort source input with optional auto-switch function
- Powerful video scaling can match a connected display to the video source, leaving the original source content unaltered
- Video resolution, framerate and color space conversion using NHD-600-RX
- Genlock scaler mode for zero end-to-end latency
- Supports ultra-fast, seamless AV source switching
- Secondary video stream with alternate scaling options can be used for Multiview source content using NHD-600-RX*
- Fully-featured Multiview image compositing includes arbitrary source window placement, resizing, image duplication and image offset functions*
- Video wall functionality with NHD-600-RX, including display bezel compensation*
- Audio capability for transport of multichannel audio, including Dolby Atmos and DTS:X
- Analog audio port can be configured as an input for a discrete audio stream or audio embedding
- Analog audio port can be configured to de-embed audio from the HDMI or DisplayPort inputs
- Multichannel PCM digital audio downmix supported
- Full EDID management
- Bidirectional IP to Infrared / RS-232 functionality via the API or 3rd-party drivers**
- Auxilliary 1GbE Ethernet channel for network connectivity of attached source devices
- Powerful matrix functionality includes routing control of all audio, video, RS-232 and IR signals
- Exclusive, ingenious passive chassis design eliminates fan noise and maintenance concerns whilst maintaining class-leading thermal cooling
- Software configuration environment is uniform across the entire NetworkHD family, removing any learning curve across the different NetworkHD Series
- 3rd-party control systems integration drivers freely available from WyreStorm.com***

*Video wall and Multiview capabilities available shortly via firmware update

** IR data receiver decoding to API / Driver in Pronto HEX format available with future firmware update

*** 3rd-party integration drivers available Q2 2018