



New WyreStorm 4K HDR HDBaseT and AV over IP Solutions to Set Up Home at CEDIA 2017

This year's premier residential trade event boasts a sun-drenched San Diego locale with WyreStorm's 4K HDR solutions over modular HDBaseT and 1Gb and 10Gb AV over IP set to cast a long shadow.

Visitors to WyreStorm's CEDIA booth #2233 will see us demonstrate exactly what we mean by providing "The Right Technology for the Application" with a showcase of 4K UHD HDR solutions across all five of our HDMI, HDBaseT and AV over IP transmission platforms.

Modular H2X: full-bandwidth 18Gbps HDMI over both copper and optical transmission.

Expect to see our new modular H2X Series HDBaseT matrix and integrated audio matrix switchers featuring a selection of seven multi-format transmission cards that give CEDIA integrators the flexibility to customize their distribution to their project like never before.

Two Flavours 4K HDR over IP. Low latency 400 Series over 1Gb and ultimate quality 600 Series over 10Gb.

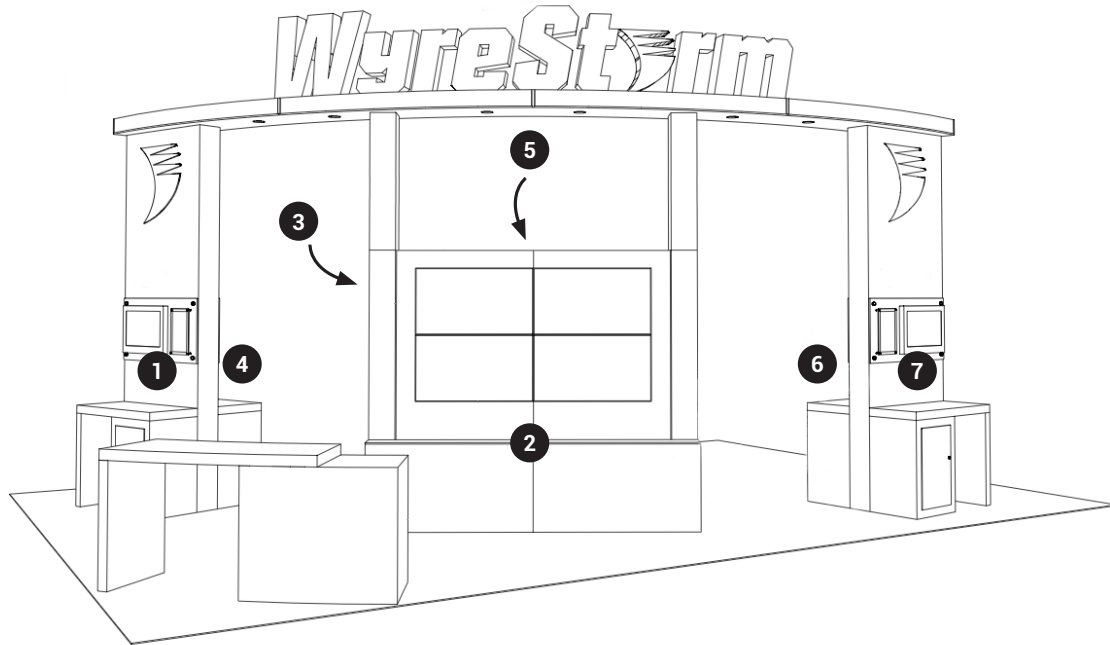
Its no secret, AV over IP is a HUGE deal with its successful crossover from ProAV to the home and WyreStorm has leveraged its three years-plus experience in the technology with the three dedicated AV over IP platforms that make up our award-winning NetworkHD line. Accompanying our low-bandwidth HD over 1Gb solution, CEDIA will see us show off our recently-released 4K HDR over 1Gb 400 Series and the official launch of our 4K HDR over 10Gb NetworkHD 600 Series, an occasion also marked by our joining the SDVoE Alliance.

See it all and more at WyreStorm CEDIA 2017 booth #2233 or read on for an overview of what we'll be showing.

Head to our CEDIA 2017 page at wyrestorm.com to find out why the technology matters this year in San Diego.

[VISIT OUR EVENT PAGE](#)

Cedia 2017 Booth #2233 Walkthrough



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NetworkHD™ 200 Series AV Over IP H.264 Windowing Decoder

NHD-250-RX

- Full Windowing (PIP) processor for NetworkHD 100 & 200 series encoders
- Support for up to 8x (in tile mode) and 6x (in overlay mode) 100 or 200 series H.264, 1080p 60Hz high profile video streams
- High quality hardware scaler outputs 4K 60Hz in tile mode and 1080p 60Hz in overlay mode
- Powerful NetworkHD Touch control with scene recall and “pinch to zoom” on the fly layout creation
- Supports bidirectional RS-232, CEC one-touch-play and standby between the display and control system

NetworkHD™ Standard H.264 AV over IP Streaming Encoder with PoE

NHD-230-TX

- Standard H.264 HDMI encoder for streaming to PC, IPTV, Set-top boxes, tablets and smartphones
- Supports all video resolutions up to 1920x1200@60Hz
- Stereo LPCM or AAC audio encoding
- UDP, RTP, Unicast and Multicast streaming support
- Separate Video & Audio encoder bitrate control
- Simple web based configuration and software update
- Supports up to ten simultaneous unicast RSTP sessions and unlimited multicast sessions
- PoE powered

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NetworkHD™ 400 Series 4K over IP

Stunning, visually lossless 4K UHD with HDR and multichannel audio over a 1G IP network

NHD-400-TX | NHD-400-RX

- Ultra low latency 4K UHD with HDR
- 2K/4K image scaling manages mixed resolution installs
- Powerful audio matrix routes separately from video to any decoder
- Compatible with NetworkHD Touch™ control app for iPad
- Bidirectional IR and RS-232 control of devices
- CEC one-touch play and standby
- HDMI with HDCP 2.2
- Multichannel audio up to Dolby Atmos and DTS-X

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EXTENDERS

- EX-40-G2** - HDMI over UTP Low Profile Extender Set with Bidirectional IR
- EX-70-G2** - 2K HDBaseT Extender Set with 2-way PoH and Bidirectional IR
- EX-35-H2** - 4K UHD HDBaseT Extender Set with 2-way PoH and Control
- EX-70-H2** - 4K UHD HDBaseT Extender Set with 2-way PoH and Control
- EX-70-H2X** - 4K UHD HDBaseT Extender Set with 5Play™
- EX-70-H2X-ARC** - 4K UHD HDBaseT Extender Set with ARC and 2-way PoH
- EXF-300-H2** - 18G HDMI Extender Set with HDCP 2.2 over Multi-mode Fiber
- EXV-70-H2X-ARC** - 18G HDMI Extender Set with HDCP 2.2 and ARC over VLC Transmission
- CAB-HAOC-20 | CAB-HAOC-30** - 18Gbps Over Active Optical HDMI Cable

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4x2 Multi-View Switchers with PiP, Dynamic Windowing, HDBaseT/HDMI Output

SW-0402-MV-HDBT | SW-0402-MV-HDMI

- Each input offers analog/digital AV connectivity options (HDMI, VGA, YUV or CVBS)
- Models offer dual HDMI outputs (MV-HDBT) or HDBaseT and mirrored HDMI outputs (MV-HDBT)
- View any/all sources on full or partial screen, PiP or 2x2 quad-view
- Advanced image processor controls source opacity and image border
- Fast seamless switching, with 4K UHD scaled output as a single 4K image or 4x 1080p images in grid formation
- HDBaseT output offers transmission with PoH of 4K UHD up to 35m/115ft or 1080p up to 70m/230ft
- Supports dual mirrored output or 4x2 matrix functionality
- Possible configuration of a 12 Input/2 Output video matrix

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4K HDR HDBaseT Video and Audio DSP Matrix Switcher with 5Play, HDCP 2.2 & ARC

MX-1010-HDBT-H2X | MX-1616-HDBT-H2X

- Fully featured, market-leading H2X matrix platform available in the following options:
 - Custom-built H2X models feature 16 or 10-port chassis' with 7 modular card options
 - Pre-built models include 16 or 10-zone Class A HDBaseT Transmission
- Supports 4K UHD @ 60Hz 4:4:4 with HDR 10-bit video signals up to 18Gbps to 70m/230ft or 1080p to 100m/328ft
- Integrated audio matrix manages up to 48 multi-channel sources:
 - Audio from HDMI or remote HDBaseT sources
 - Separate audio sources via S/PDIF or Balanced analog audio
 - Multi-channel ARC from HDBaseT zones
- On-board DSP allows adjustment of Volume, EQ, delay and compression for every audio zone
- Mirrored HDMI outputs with full-bandwidth 18Gbps throughput
- Two dynamic on-board EDID processes manage output requirements:
 - AVR Priority mode monitors requirement for multi-channel audio on all outputs
 - SmartEDID™ dynamically solves mixed resolution conflicts when combining 2K/4K screens
- Built-in diagnostic to monitor system & transmission performance

NetworkHD™ 600 Series 4K over IP

True 4K/60 4:4:4 AV over IP Distribution Solution over a 10GB IP Network

NHD-600-TX | NHD-600-RX

- HDMI 2.0, HDCP 2.2 compatible, HDR support and all HDMI audio formats including Dolby Atmos & DTS:X
- Ultimate quality, zero latency transmission with seamless switching
- Digital audio, IR, RS-232 and full 10Gb Ethernet passthrough
- Up to 16x16 video walls and Multi-view functionality with audio embedding, de-embedding and down-mixing

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4x4 4K UHD HDBaseT Matrix Switchers with 4x PoH Receivers featuring HDCP 2.2 (4K: 35m/115ft)

MX-0404-HDBT-H2-KIT | MX-0404-HDBT-H2A-KIT

- 4x4 HDBaseT Matrix with PoH and support for 4K/UHD sources & HDCP 2.2
- Complete kit includes 4 x Class B HDBaseT PoH receivers
- Supports 4K UHD @ 60Hz with HDR 10-bit to 70m/230ft or 1080p to 100m/328ft using Cat6
- SmartEDID removes conflict when mixing 1080p and 4K displays
- Mirrored HDMI Output allows connection of local AVR or screen, or an additional screen over distance via a WyreStorm extender product
- QuickSync™ near-instant switching and EDID management
- Bidirectional IR pass-through for source and sink control
- Control drivers available for Crestron, AMX, RTI, Control4 and Elan
- Matrix switching control via IR, front panel, RS-232, IP Telnet or WebUI
- Embedded WebUI allows setup and configuration and provides switching interface

ADDITIONAL FEATURES ON MX-0404-HDBT-H2A-KIT

- Internal audio switching allows de-embedded audio from sources or HDBaseT output
- Use in conjunction with EXP-CON-DAC-D to offer downmixing of 5.1 audio for delivery to stereo audio zones

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Modular 4K UHD Matrix Switcher Chassis featuring HDCP 2.2 with Customizable Transmission Cards

MX-0606-HDBT-H2C | MX-0808-HDBT-H2C

- 6x6 and 8x8 PoH-ready custom matrix chassis with support for 4K UHD sources, including HDR 10-bit and HDCP 2.2
- Built to custom specification from a selection of TX-H2 modular transmission cards
- Supports 4K UHD @60Hz with HDR 10-bit to 70m/230ft or 1080p to 100m/328ft
- SmartEDID removes conflict when mixing 1080p & 4K displays
- Embedded WebUI allows setup and configuration and provides switching interface
- Control drivers available for Crestron, AMX, RTI, Control4 and Elan
- Matrix switching control via IR, front panel, RS-232, IP Telnet or WebUI