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# PRODUCT OVERVIEW

2015

**WyreStorm**<sup>®</sup>

# Why WyreStorm?

## THE RIGHT PRODUCT & PRICE

WyreStorm delivers leading-edge AV distribution and innovative control solutions that are designed by integrators for integrators. We offer the most comprehensive range of competitively priced residential and commercial electronic systems solutions available.



## QUALITY & RELIABILITY

As an award-winning prime manufacturer with proprietary R&D and production facilities in Shenzhen, China, we improve margins through streamlined design, manufacturing and logistics while maintaining the utmost in product quality, reliability and integration.



## COMMITMENT TO YOU

We are committed to supporting professional electronic systems integrators. WyreStorm offers dedicated defined product segmentation for commercial, custom residential and end user products and markets.



## GLOBAL DISTRIBUTION & SUPPORT

WyreStorm solutions are sold in over 40 countries and counting worldwide, available exclusively through a network of approved partners and maintain headquarters, sales, technical and marketing support in the US and UK.



## TECHNOLOGY LEADER

WyreStorm has a culture of innovation that encourages curiosity and experimentation. We constantly listen to our customers and develop solutions using the very latest advancements in transmission technology for the very best in modern AV integration.



**Integrated  
Systems  
Europe**

**CEDIA** CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION

**infoComm**

**AWARD WINNING** PRODUCTS.

**INDUSTRY LEADING** TECHNOLOGY.

PROVEN **EXPERIENCE WORLDWIDE**.

**UNPARALLELED** TECHNICAL & CUSTOMER SUPPORT.

# Company Overview

WyreStorm is a manufacturer of high-definition audio/video distribution technology. We specialize in the design, development and sales of innovative AV transmission solutions for residential and commercial applications, proudly serving customers around the globe.

Our award-winning products include a comprehensive range of HDMI & HDBaseT extenders, switchers, splitters, converters and test equipment. We also offer WyreStorm Enado™, the easy to configure and simple to use AV control system.

With offices in the U.S., U.K. and China and distribution partners around the world, we are committed to serving our customers where ever they may be. At WyreStorm we pride ourselves on listening to our customers, understanding the problems they face and developing solutions with the most effective technology available.

# Our Technologies

As technology advances, in any sector, the resulting products and services become increasingly more specialized – think highly targeted pharmaceuticals, genetically modified foods and even customization in automobiles. Gone are the days of one size fits all.

The same is true with audio / video distribution technology. The analog sunset is here. The new world belongs to digital. With the exponential growth in digital video technology through advancements in more sophisticated chipsets and the merging of IP networking technologies, the industry leaders are bringing more specialized solutions to market faster.

Our product development strategy focuses on four technology areas: HDMI, HDBaseT, JPEG-2000 (NetworkHD™) and H.264 (NetworkHD-PRO™) – each with its own unique advantages. This specialized approach allows WyreStorm to provide a fully integrated solution with exactly the right technology for each target market. WyreStorm has the most comprehensive range of any company in the industry.

## HDMI

- Used for small footprint installations under 30ft
- Uses pre-terminated - non upgradable cables
- Will deliver the very best quality up to 8K
- Great for AV signal transmission but lacks additional features
- Self contained plug & play solution (AV)
- Very Low Latency

## HDBaseT

- Capable of large footprint installation up to 330ft
- Currently capable of supporting 4K resolution
- Handles centralized sources well. Basic switching / routing
- 5Play™ = more features, over dedicated network
- Delivers high bandwidth uncompressed content to large displays
- Very low latency

## HD over IP

- Capable of larger footprint via Multilayer
- Supports 1080p 60Hz, 1920 x 1200 visually lossless compression
- Truly modular configuration over Gigabit networks
- Perfect for decentralised system designs
- Capable of video wall and multiview functionality (Not available on all products)
- Cost effective and easy to expand later



## HDMI®

HDMI

HDMI is a proprietary interface and digital replacement for existing analog video standards for transferring compressed and uncompressed video and audio data and content information such as Ethernet channel, audio return channel and 3D from an HDMI-compliant source to a compatible display device.

Various versions of STANDARD and HI-SPEED HDMI cables exist, with each new variation offering increased support of higher resolution and features as well as transmission speed and bandwidth capacity used to distribute digital content between devices.

Current HDMI 1.4 standards perform at speeds of 340Mhz or up to 10.2Gbps, supporting 1080p signals including those at increased color depths and/or pixel refresh rates from the source and 4K resolutions up to 4096x2160 at 30Hz and Chroma sub sampling rates of 4:2:2.

## HDBaseT™

HDBT

Promoted and advanced by the HDBaseT Alliance, HDBaseT is a consumer electronic and commercial connectivity technology for transmission of uncompressed HD and 4K video, HD multichannel audio, power up to 100w, home networking, Ethernet, USB and various control signals over category cable Cat5e and above with a standard RJ45 connector.

With two classes of the technology currently available capable of distributing transmissions of 70m/230ft (Class B) and 100m/328ft (Class A), HDBaseT is all but the industry standard in long distance AV distribution for modern residential and commercial applications thanks to its strong feature set including support of daisy-chaining multiple outputs combined with increased resistance to electrical and environmental interference and low cost of cable installation.

## JP2K

NETWORK HD

JPEG 2000 is a high quality 'visually lossless' image compression standard and coding system in which each image frame is compressed individually with no predictive frame grouping used to reduce file size, resulting in shorter frame compression latency, fewer artifacts, less frame dropping and a compression more resilient to errors in transmission.

The trade off comes in the form of the larger size of compressed files, ultimately meaning the bandwidth requirements to transmit JPEG 2000 can be higher. The result is a sharper, clearer image with smoother frame transitions, with any loss in data virtually indistinguishable.

So best suited to HD over IP applications where the bandwidth requirements are of less importance than the image quality of the transmitted content.

## H.264

NETWORK HD-PRO

H.264 or MPEG-4 AVC is a one of the most commonly used video compression formats for recording, compression and distribution of video content.

One of the video encoding standards for Blu-ray, H.264 is a predictive block-oriented compression designed to encode and decode motion pictures in groups as oppose to single frames, which enable distribution over lower bandwidths due to the smaller files sizes. As such, H.264 is typically known as 'lossy compression' due to the reconstructed pictures containing almost imperceptible artifacts as opposed to JPEG 2000 requiring a much higher bandwidth but offering superior image quality.

As a result of the lower bandwidth requirements, H.264 is the compression of choice for internet streaming sources, such as video sharing websites and HDTV broadcasts over terrestrial, cable and satellite, as well as video conferencing.

## BEYOND THE BOUNDARIES OF HD

### Powerful Video Wall Management. Simple Control.

Introducing NetworkHD™, the new standard in HDMI over IP with powerful KVM and video wall functionality.

Utilizing JPEG2000 technology, NetworkHD™ provides extremely reliable, high quality and near limitless HD distribution for a wide range of applications.

Featuring scalable, fully modular system architecture that removes the fixed I/O limitations of matrix switching, NetworkHD™ enables visually lossless encoding of full 1080p HD video including PoE, USB for KVM and stereo audio breakout.

Set-up takes just minutes with transmitters and receivers added through easy-to-use auto-detection technology to expand systems, yet its simplicity belies its flexibility with NetworkHD™ capable of handling even the most demanding applications.

NetworkHD™ is the ideal solution for sports bars, showrooms, digital signage, video walls, and other applications where a cost effective, high quality content distribution is needed.



WyreStorm NetworkHD™ HD Over IP with HDMI Pass-through, RS232 and USB

#### NHD-IP-CTL / NHD-IP-TX / NHD-IP-RX

- Visually lossless 1080p using JPEG2000 compression with powerful video-wall control
- Nearly plug 'n play setup with auto device discovery
- Perfect for application with tens of sources to hundreds of screens
- Innovative, simple browser based control; plus drivers for key control brands
- PoE Transmitters and Receivers, USB for KVM, RS232 and stereo audio breakout
- Fully configurable bit rate adjustment

## JPEG2000

VISUALLY LOSSLESS  
HD DISTRIBUTION WITH **KVM**

## MORE, MORE, MORE WITH H.264

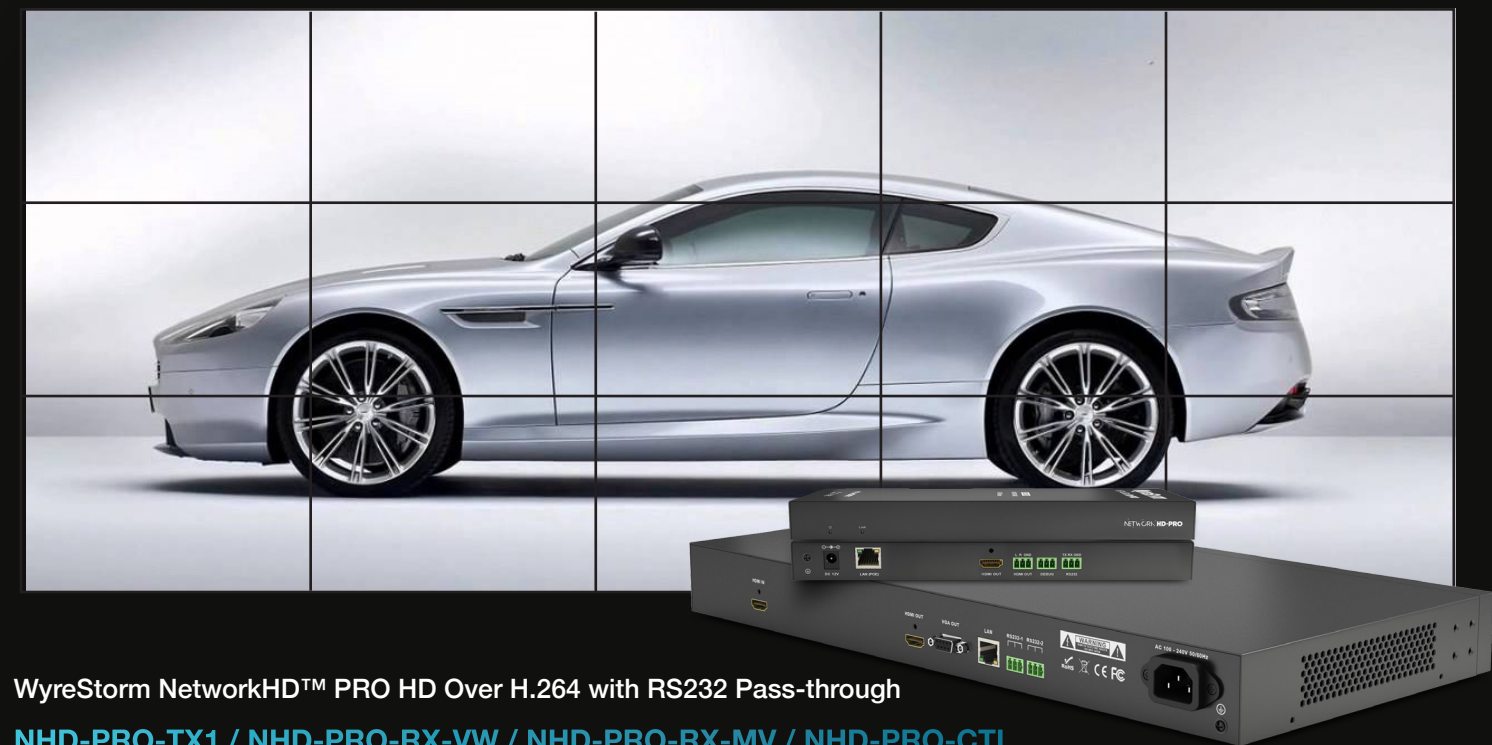
### Scalable HD distribution and control over IP, but at a fraction of the bandwidth using H.264 compression. For the best of both worlds, go PRO.

NetworkHD-PRO™ is built around the same modular and highly scalable infrastructure as its JPEG2000 sibling for the same easy system expansion.

Unlike JPEG2000, NHD-PRO uses low latency and super-efficient bandwidth management to transmit single source HDMI to H.264 encoding, switching, decoding and control simultaneously through a network switch without conflicting with other connected IP devices, making it perfect for very large installations over existing conventional LAN infrastructure.

Receivers feature Video Wall Processing or Multi-view functionality, with up to 16 connected sources viewed on the same screen at the same time, much like video version of a photographic contact sheet.

Supporting instant switching, resolutions up to 1920x1200 @ 60Hz, PoE and two-way RS232, applications extend to installations of any size, allowing projects to grow as the needs of the client change.



WyreStorm NetworkHD™ PRO HD Over H.264 with RS232 Pass-through

#### NHD-PRO-TX1 / NHD-PRO-RX-VW / NHD-PRO-RX-MV / NHD-PRO-CTL

- H.264 video codec for low bandwidth content compression
- Resolutions up to 1920x1200 resolution @ 60hz
- Instant switching between source, video wall & multi-view
- Low network demands over LAN - fully configurable bit rate adjustment
- Low latency < 100ms

## H.264

NEARLY LIMITLESS **HD DISTRIBUTION** WITH  
VIDEO WALL AND MULTIVIEW PROCESSING

Featuring the latest HDBaseT and Ultra HD technologies, WyreStorm's new mid-sized 4K matrix is designed for projects that demand the highest level of performance distributing Ultra HD 4K content.

### The WyreStorm Solutions for 4K Resolutions

The current 4K landscape is littered with confusing information and often unreliable claims or substandard support of full UltraHD from manufacturers. It's a risky place to be that can result in costly specification mistakes and unhappy clients when the 4K reality doesn't quite live up to the manufacturer hype.

WyreStorm's carefully scheduled product plan offers 4K compatible products that not only reflect market demands but also address realistic needs of the installer by offering relevant UltraHD solutions at the right time for the technology available now, whilst being future ready for tomorrow.



UHD 4K downscaler and HD upscaler with Dolby Digital downmixing

#### EXP-SCL-DAC-4K

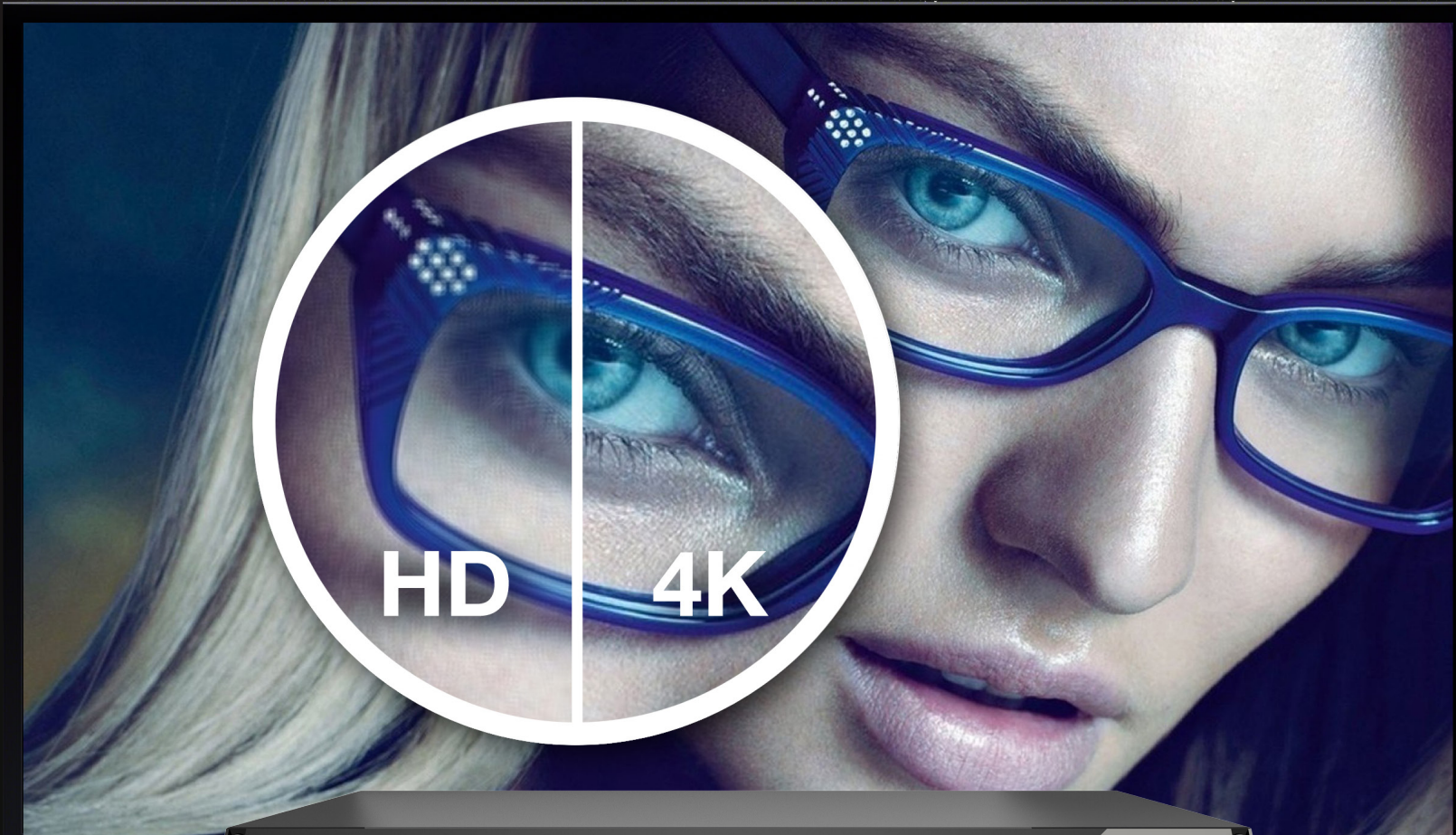
- Downmixes incoming Dolby Digital to stereo through HDMI output
- Audio breakout of stereo audio
- 4K/30P > 1080p Downscale
- 1080/24p > 4K Upscale



WyreStorm 1 x 2 / 1 x 4 / 1 x 8 4K HDMI Splitter

#### EXP-SP-0102-4K / EXP-SP-0104-4K / SP-0108-4K

- HDMI v1.4 (10.2Gbit/s) 15m max.
- 4096x2160p @ 30Hz 4:2:2
- EDID management (SP-0108-4K only)
- Threaded DC power ports for secure connection
- Low Profile 18mm chassis



WyreStorm 8 x 8 4K HDMI 1.4 Matrix with Audio Processor Including ARC support

#### MX-0808-4K

- UHD 4K distribution up to 4096x2160p @ 30Hz
- Audio up to 7.1 DTS Master HD & Dolby TrueHD
- Audio overlay via Toslink or coaxial S/PDIF
- ARC support from HDMI outputs
- Digital audio outs can also de-embed source audio
- Full range RGB color palette @ 4K/24-bit (30Hz)

- 48-bit deep color supported @ 1080P/60Hz
- 3D up to 1080P @ 60Hz
- DIP Switches for EDID management
- Flexible control options: IR, RS232 & LAN
- 3rd party control integration



WyreStorm 8 x 8 HDBaseT 4K Matrix Switcher with HDMI Mirror Outputs featuring 5Play™

#### MX-0808-PP-POH-4K

- UHD 4K distribution up to 4096x2160p @ 30Hz up to 70m/230ft
- Supports 3840 UHD, 4096 DCI resolutions, 4K color ratio 4:2:2
- Class A HDBaseT for 1080p@60Hz/48bit to 100m/328ft
- Featuring 5Play™: HD video, multichannel audio, Ethernet, control (IR & RS232), and power
- Bidirectional IR and RS232 and powerful EDID management
- HDMI 1.4

## Modular Matrix System Planner

Build your matrix online and send the order with one click.

### WyreStorm Pro Plus Custom Matrix Range With PoH

Representing the very best in power and versatility, WyreStorm's MX-PP-POH-CUSTOM range of modular matrices takes AV integration to the next level and a new price point with the ultimate in customizable and affordable multi-format HDBaseT™ distribution.

A totally modular, built-to-order matrix range, the MX-PP-POH-CUSTOM comprises of 8x8 and 16x16 chassis models and a wide selection of multi-format digital and analog transmission modules configured in any combination using our intuitive GoConfigure web tool.



#### WyreStorm 8 Slot HDBaseT Modular Matrix Chassis

##### MX-0808-PP-POH-CUSTOM

- HDBaseT 1080p@60Hz/36bit video, multichannel audio, bidirectional control up to 70m/230ft
- Power Over HDBaseT remotely powers all display zone receivers
- Routed RS232 for serial control of all connected output devices, support for leading control systems
- Each matrix output daisy-chainable up to 7 times for total distribution spanning 56 displays up to 490m
- Matrices also cascable with HDMI Pass through modules for simple creation of large arrays of up to 392 displays
- 2U chassis

### GoConfigure™ - Modular Matrix System Planner

With each module converting to HDBaseT with remote power (PoH) and routable control capabilities, custom-configured PP matrix systems offer a near-limitless I/O configurations for residential and commercial integrators, representing one of the most flexible, scalable, fully featured HDBaseT solutions to date to enable single-cable HD distribution and control to be tailored to the specifics of the project like never before.



#### WyreStorm 16 Slot HDBaseT Modular Matrix Chassis

##### MX-1616-PP-POH-CUSTOM

- HDBaseT 1080p video, HD audio, 2way control via IR/routed RS232, 100w power
- 3U modular chassis for 16 customizable inputs, 16 customizable outputs
- Cascade outputs to a maximum of 112 screens
- Online GoConfigure™ specification tool
- Compatible with award winning AMP-001-010
- Choose from 11 different transmission cards
- Input from HDMI, YUV, VGA, DVI or even audio-only sources
- All inputs converted to 70m HDBaseT Outputs
- Routed RS232 & POH receivers supported



- TX-POH-010** - HDBaseT Out, HDMI Out, HDMI In, IR In
- TX-POH-020** - HDBaseT Out, Source Loop, HDMI In, IR In
- TX-POH-030** - HDBaseT Out, Audio Breakout, HDMI In, IR In
- TX-POH-040** - HDBaseT Out, HDMI Out, Audio In, IR In
- TX-POH-050** - HDBaseT Out, DVI Input, IR In
- TX-POH-060** - HDBaseT Out, IR In

- TX-POH-070** - HDBaseT Out, VGA + Stereo Audio In, IR In
- TX-POH-080** - HDMI Input Only
- TX-POH-090** - HDBaseT Out, Component + Audio, IR In
- TX-POH-100** - HDMI Out, HDBaseT In, IR In, RS232
- TX-POH-110** - HDMI In, HDMI Out, Source Loop HDMI Out

# MATRIX SWITCHERS

## Elevated Features. Greater Installation Flexibility

What do you get when you add Power over HDBaseT and routable RS232 capabilities to WyreStorm HDBaseT matrix solutions? Two new high-performance switchers that offer a more integration versatility and convenience, straight from the box.



WyreStorm 8x8 / 16x16 HDBaseT Matrix Switcher with HDMI Mirror Outputs, 2-Way IR, Routed RS232, PoH

### MX-0808-PP-POH / MX-1616-PP-POH

- Class B HDBaseT distributes 1080p HD video@60Hz/36bit to 70m/230ft
- Multichannel HD audio, 3D, duplicate HDMI outputs for local device connection
- 100w PoH for remote powering of display receivers
- Control via bidirectional IR, Routed RS232, RS485, LAN
- Quick-sync™ frameless switching, EDID management
- 8x8 (2U) and 16x16 (3U) models



COMING SOON

WyreStorm 4 x 1080p Scaling Presentation switcher with Multi-view and 4K output

### SW-0402-MV-4K

- 4 source inputs as HDMI, YUV, VGA or CVBS
- Scales input up from 480i to 1080p
- Dual HDMI output: Either simultaneous or 4x2 matrix mode
- View 4 1080p sources on a single 4k panel
- Scale images in real-time using API, front buttons or supplied software package
- View sources as full/partial screen, PiP or split screen. Infinite size & positioning options.
- Assignable audio breakouts
- Embed audio from any input
- Advanced EDID tool for storing and recalling
- Advanced image processor controls source opacity and image border

## Aggressive Pricing. Out-of-the-Box Convenience

The Pro Plus (PP) Matrix series offers integrators standard and custom switching solutions to meet integration configuration sizes from 4x4 to 16x12 and almost every combination in between. Each Pro Plus HDBaseT matrix is compatible with our award-winning digital amplifier and WyreStorm Enado to drive HD digital and analog media around a home—all via one Cat5e/6.



WyreStorm 4x4 HDMI Matrix Switcher with (4) 40m/131ft Receivers, Source control and Remote

### MX-0404-QI

- No-nonsense distribution of 1080p HD video/24bit and HD audio to 40m/131ft
- Includes 4 x 40m/131ft display receivers
- One-way IR, RS232, LAN
- EDID management
- Ideal for short-distance switching applications



WyreStorm 4x4 HDBaseT Matrix Switcher Kit with (4) 70m/230ft Receivers and 2-Way IR

### MX-0404-PP-KIT

- Distributes 1080p HD video@60Hz/36bit and HD audio to 70m/230ft
- Bidirectional IR and central RS232
- EDID management
- Includes 4 x slimline HDBaseT 70m/230ft display receivers
- Quick-sync™ technology for frameless source switching



WyreStorm 6x6 / 8x8 HDBaseT Matrix Switcher with HDMI Mirror Outputs, 2-Way IR and QuickSync™

### MX-0606-PP / MX-0808-PP

- Distributes 1080p HD video@60Hz/36bit and HD audio to 70m/230ft
- Duplicate HDMI outputs for local display or HDMI device connection
- Bidirectional IR with IR extension, central RS232, RS485, LAN
- QuickSync™ frameless switching, EDID management
- 6x6 and 8x8 models, compact 2U chassis



## The perfect WyreStorm control system

WyreStorm Enado redefines integrators' ability to control AV distribution systems by combining powerful hardware and intuitive, cross-platform software to create an end to end AV distribution and control system that is always on, updated and accessible.



Elegant Control

Multi-room Entertainment

Unrestricted Compatibility



WyreStorm Enado™ Controller with 16x IR, 4x RS232, 8x Ethernet and 4 x Relay & 4 x CC

### ENA-001-010

- Scalable, server-based, centrally managed IP control solution with Ethernet and control connectivity via IR, RS232 and Relay/CC
- Fast, reliable and affordable device control for WyreStorm installations
- Revolutionary remote management & access for installer & user
- Eliminates the need to download/update individual Apps & configuration files to each control device
- Programmed via simple but advanced web browser application offers maximum control flexibility
- Multi-platform software - interface and controller runs on any browser-enabled client device for utmost installer and end-user experience



WyreStorm Enado™ Mini Web Server A/V Control System

### ENA-001-MINI

- Low-cost, small form factor IP only Enado controller
- Smart, reliable and hassle-free user interface for control of matrix switchers, AVRs, Set-top boxes, media players and smart TVs with no additional hardware
- No Apps, licenses, PC software or drivers needed
- Configure and control from any web-enabled device while delivering an App-like experience for installer and end user
- Unrivalled set-up speed and simplicity – control device configuration via QR code and bookmarked link
- IR, RS232 and Relay/CC outputs added using iTach & Flex devices from Global Cache.



## Unrestricted Capability

The WyreStorm Enado home control system works seamlessly with any operating system, Internet browser on any device, from Mac OS to Windows to Android to iOS it will just work.

Like an app, but not an app, with no downloads or constant updates for the end user. Enable the customer to configure their new tablet, laptop or smartphone with no site visit or license fee, they'll have it set up in seconds.

# Don't just live life... Control it!



# EXTENDERS



WyreStorm HDBaseT 4K Extender Set with 2-Way IR, RS232 and PoH

## EX-35-4K

- Transmits 4K to 35m/115ft and 1080p content to 70m/230ft
- Super Low profile (15mm) housing and PoH for discreet placement behind displays
- Bidirectional IR and RS232, EDID management, CEC pass-through
- HDCP 2.2 compliant



WyreStorm HDBaseT 4K Extender Set Featuring 5Play™

## EX-70-4K

- Transmits 4K to 70m/230ft and 1080p content to 120m/393ft
- Low profile (18mm) housing and PoH for discreet placement behind displays
- 2-way PoH offering flexible installation options
- Bidirectional IR and RS232, EDID management, CEC pass-through
- HDCP 2.2 compliant, Ethernet capable and fully 5-Play™ certified



WyreStorm HDBaseT Extender Set Featuring 5Play™, RS232 and PoH (100m/328ft)

## EX-1UTP-IR-100-POH

- Transmits 1080p content to 10m/328ft via a single Cat5e/6 cable
- Featuring 5Play™: 1080p video, HD audio, Ethernet, control (CSC, IR & RS232), and power
- Bidirectional IR and RS232 and also EDID management
- Supports 3D, VESA up to 1920x1200, 48-bit deep color and uncompressed HD audio



WyreStorm HDBaseT Extender with HDMI & VGA Auto-Switch TX and PoH

## SW-0201-POH

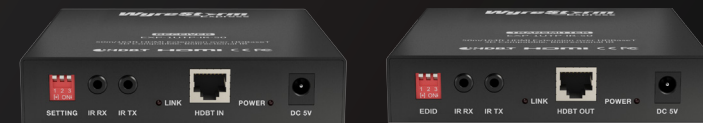
- Two-input (HDMI & VGA) extender uses single Cat5e/6 cable to transmit up to 100m/328ft
- Auto selects signal and transmits accordingly with priority given to VGA
- PoH technology means the receiver is powered by the transmitter
- Stereo audio breakout on receiver



WyreStorm HDMI Extender Set with 2-Way IR

## EX-40

- Transmits 1080p content to 40m/131ft
- Low profile (17mm) housing
- Bidirectional IR and RS232 control with EDID management
- Ideal for short point-to-point applications



WyreStorm Express HDBaseT Extender Set with 2-Way IR

## EXP-EX-HDBT-50

- HDBaseT extenders capable of 1080p HD @60Hz and HD multichannel audio transmissions up to 50m (164ft) under perfect conditions
- Transmits discrete wide-band two-way IR control signal together within the HDMI signal over a single Cat5e/6 cable
- Fully supports 3D applications - frame packing/sequential (Blu-ray) and Interlaced stereoscopic (satellite/cable broadcasts)



WyreStorm HDBaseT Extender Set with Integrated 2.1 Audio Amplifier Kit

## EX-1UTP-IR-70-AMP

- Award winning HDMI extender and audio amplifier combo capable of transmitting 1080p up to 70m/230ft
- Features a 2 x 25w Class D amplifier for amplification of local speakers and sub woofer pre-out at the display
- Also allows for ARC and Local audio inputs (at the display)
- Can be cascaded up to 7 times – great for sports bar applications



WyreStorm HDMI Over SDI Cascading Receiver & Transmitter with 2-Way IR, RS232 (50m/164ft)

## TX-SDI-50 & RX-SDI-50

- Dual outputs on the transmitter allow for two separate transmission zones
- SDI loop out on receiver means SDI signal can be cascaded up to 7 times – perfect for existing coax applications
- Transmitter and Receiver sold separately – together over coax they can transmit 1080p up to 50m/164ft
- Bidirectional IR and RS232 and also EDID management



WyreStorm HDBaseT Extender Set with 2-Way IR and RS232

## EX-1UTP-IR-70

- Transmits 1080p content to 70m/230ft via a single Cat5e/6 cable
- Extra ESD protection for less interference and increased reliability
- Bidirectional IR and RS232
- Supports 3D and VESA up to 1920x1200 and Dolby-HD audio



WyreStorm HDBaseT Extender Set with 2-Way IR and PoH

## EX-1UTP-IR-50-POH

- Transmits 1080p content to 50m/164ft via a single Cat5e/6 cable
- PoH allows for power at only one end of the cable
- Bidirectional IR and RS232 and also EDID management
- Supports 3D, VESA up to 1920x1200, 36-bit color and Dolby-HD audio



Point to Point HDMI Extender over Coax up to 60m.

## EXP-EX-COAX-50

- Single Coax cable lengthens 1080p HD video @60Hz and multi channel audio transmissions over distances up to 60m (197ft)
- Each port supports HDMI or DVI signals
- Units contain ESD (electrostatic discharge) protection technology to guard against static build-up that can damage circuitry.
- HDCP compliant.

## Simple Design. Quality Products. Reliable Performance.

WyreStorm Express products were developed with the fundamentals of HD distribution in mind— simple, affordable and effective solutions for reliable switching, splitting, and extending HDMI transmissions.



### WyreStorm Express™ 3 x 1 and 5 x 1 HDMI Switcher with Remote

#### EXP-SW0301 / EXP-SW0501

- Switches 3 or 5 HDMI/DVI sources to a single HDMI/DVI display device
- Supports 1080p @ 24Hz, full 3D and resolutions up to UXVGA 1920x1200
- Simple plug and play – no set up, driver or software required
- Automatically negotiated EDID between devices
- Front panel and remote handset operation



### WyreStorm Express™ 4 x 2 HDMI Matrix Switcher with Remote

#### EXP-MX0402-010

- Distribute up to 4 HDMI/DVI sources to 2 HDMI/DVI outputs simultaneously
- Full 1080p HD video @ 24hz with 3D and HD multichannel audio
- Compact, plug and play switching ideal for small-scale residential or commercial AV set-ups
- Simple selection via remote handset and front panel with LED status indication



### Point to Point HDMI Extender over Coax up to 60m.

#### EXP-EX-COAX-50

- Transmits 1080p content to 50m/164ft using single coax cable
- Bidirectional IR control of source and display
- EDID and cable distance management encourage device compatibility
- Enhanced ESD protection and signal equalization for less interference and increased reliability



### WyreStorm Express™ In-Line HDMI Surge Protector

#### EXP-HDMI-SURGE

- Inline protection for HDMI I/O against ESD, lightning surges and voltage fluctuation
- Includes Input and Output stages to protect both source and display devices
- 8KV spike protection, IEC regulated, active on all TMDS and clock channels
- Lossless TMDS transmission with full support for 4K, 1080p, 3D, HDCP, HEC/ARC pass-through
- Passive device - needs no power supply



### Point to Point HD Video & Control up to 50m.

#### EXP-EX-HDBT-50

- HDBaseT extension of 4K content to 25m/82ft and 1080p @60Hz to 50m/164ft
- Bidirectional IR control of source and display and EDID management
- Supports DolbyHD audio, 36bit Deep Color and resolutions up to VESA 1920x1200
- Perfect for short point-to-point applications featuring 4K and/or HD



### WyreStorm Express™ HDMI Cables with 4K Support

#### EXP-HDMI-0.5M, EXP-HDMI-1.0M, EXP-HDMI-5.0M

- High quality, high speed for transmitting high bandwidth UltraHD 4K and Full 1080p video, digital audio and control
- HDMI 1.4 certified, HDCP and EDID compatible, full 3D support
- Gold plated connectors, 99.9% oxygen free copper cable/conductors for enhanced conductivity
- Durable sleeve prevents snagging and extends cable life, unlimited warranty against manufacturing defects



### WyreStorm Express™ Digital to Analog Audio Converters

#### EXP-CON-DAC / EXP-CON-DAC-D

- Convert Digital PCM or Dolby Digital multichannel audio to analog stereo
- Simple connection of modern digital sources to legacy analog systems
- Toslink Optical and S/PDIF Coaxial inputs with selectable switch
- Compact housing, 5v power with LED indication

### UHD 4K downscaler and HD upscaler with Dolby Digital downmixing

#### EXP-SCL-DAC-4K

- Inline solution for installations including both 4K and HD displays while maintaining integrity of both
- Scales up 1080p to UHD 4K @30Hz and scales back 4K transmissions to 1080p @24fps
- Dolby Digital downmixing for conversion of up to 5.1ch to stereo PCM audio wherever required
- Switchable selection, including pass-through mode on compact chassis with LED power indication



### WyreStorm Express™ 1 x 2 HDMI Splitter

#### EXP-SP0102-001

- Split single HDMI/DVI source to two HDMI/DVI displays
- Supports all HD resolutions including 1080p @ 24hz up to UXVGA 1920x1200
- Full 3D support, automatically negotiates EDID, HDCP compliant
- Compact, simple plug and play, 5v power and LED indication for power and HDMI



### WyreStorm Express™ HDMI Splitters

#### EXP-SP-0102-4K / EXP-SP-0104-4K

- UHD 4K 30Hz compatible with 4:2:2 color palette
- 1080p @ 60hz with HD audio and full 3D support
- Super low profile 18mm housing, HDCP compliant
- Threaded DC power plug, LED power and I/O status indication





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