



Product Guide

WyreStorm®



The WyreStorm Difference



WyreStorm is a leading manufacturer of award-winning AV signal distribution and control technology, specializing in the design, development and sale of innovative HD and 4K UltraHD audio/video solutions for commercial Pro AV, residential CI and retail markets.

We believe the technology used in a project is vital to its successful application and the success of the project in general.

Embracing the multiple technology platforms of AV over IP, HDBaseT and HDMI, we provide both single-platform and hybrid solutions that allow the integrator to utilize the best technology available for their project.

WyreStorm products are developed to reduce system complexity, with less devices offering less layers of connectivity to reduce potential points of failure that can needlessly complicate a project or result in unnecessarily call-outs. This not only improves the ease and speed of installation and system reliability, it also allows our products to offer faster system performance with market-leading switching speeds.

The result is an unrivalled reliability, value and compatibility with the latest HD and 4K UltraHD technologies, that enable seamless integration and perfectly tailored, one-manufacturer solutions that increase end-user satisfaction and offer your clients a far greater return on their investment.

As an integrated prime manufacturer of ISO9001 supported products, HDMI adopter and HDBaseT Alliance member, our comprehensive product offering includes an extensive range of extenders, matrix switchers, splitters, presentation switchers with collaboration software, converters and test equipment. Our range also includes our NetworkHD™ line of infinitely scalable AV over IP solutions with Touch™ for iPad control, and the Enado™ browser-based control system.

We pride ourselves on listening to our customers, understanding the problems they face and developing solutions with the most effective technology available. With offices in the US and UK, our own research and development and production facilities in Asia, and a network of distribution partners throughout the world, WyreStorm is ideally placed as a total solutions provider to serve our customers wherever they may be.



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QUALITY & RELIABILITY

WyreStorm is a prime manufacturer with R&D and production facilities, allowing us to offer the utmost in product quality, reliability and innovation.



COMMITMENT TO YOU

WyreStorm offers dedicated product segmentation for commercial integrators, custom residential and select end user products.



THE RIGHT PRODUCT & PRICE

WyreStorm produces a comprehensive range of competitively priced commercial and residential solutions with leading-edge AV distribution and AV control products. We improve your margins through our streamlined designs, manufacturing and logistics.



GLOBAL DISTRIBUTION & SUPPORT

WyreStorm solutions are sold in over 40 countries worldwide, available exclusively through approved partners. WyreStorm maintains headquarters, sales, technical and marketing support in the U.S. and U.K.



PRO-ACTIVE CULTURE

WyreStorm has a culture of innovation that encourages curiosity and experimentation. We analyze our customers' needs and develop solutions with the latest advancements in transmission technology.



Because the Technology Matters

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 areas: HDMI, HDBaseT, AV over IP, and AV control – 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.

Technologies



HDMI®

- Used for small footprint installations under 15m/50ft
- Uses pre-terminated - non upgradable cables
- Great for AV signal transmission
- Self contained plug & play solution (AV)

HDBaseT™

- Capable of large footprint installations up to 100m/328ft
- Capable of supporting 4K UHD resolution
- Handles centralized sources well. Basic switching/routing
- 5Play™ = more features, over a dedicated network
- Delivers high bandwidth, uncompressed content to large displays

AV over IP

NETWORK HD

- Capable of the largest AV distribution footprints
- Cost effective, reliable and highly scalable AV over IP ecosystem
- Supports 4K@60Hz, 1920 x 1200 visually lossless video
- Truly modular configuration over Gigabit networks with PoE support
- Perfect for decentralized system designs
- Multi-view and video wall functionality (Not available on NHD-100 Series)
- Low latency for instant seamless switching
- Low bandwidth, high quality with major control system integration
- Free iPad control app for simple source selection, integrates with Enado for source control

Control

enado

- Scalable, server-based IP control solution with Ethernet and control connectivity
- Fast, reliable and affordable device control for WyreStorm installations
- Revolutionary remote management & access for installer & user
- No need to download/update individual apps & configuration files to each control device
- Programmed via simple, but advanced, web browser application
- Multi-platform interface runs on any browser-enabled client device for the utmost installer and end-user experience



ROBUST CONTROL

BYOD FRIENDLY

AUTOMATIC UPDATES

BROWSER BASED



Unrestricted Capability

The WyreStorm Enado control system works seamlessly with any operating system and Internet browser on any device. From Mac OS to Windows to Android to iOS, Enado just works. Period.

Like an app, but not an app. With no downloads or constant updates, Enado offers effortless system management for the client and instant access for an end-user with no site visit or license fee required to add control devices.

Enables the customer to connect their smartphone, tablet or laptop themselves. With simple in-room QR code scanning for one-touch activation of room lighting, blinds, projector and connected devices to get set-up in seconds.

The Perfect AV Control Solution

WyreStorm Enado™ redefines the 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.



Enado™ Controller with 16x IR, 4x RS-232, 8x Ethernet, 4x Relay & 4x CC

ENA-001-010

- Server-based IP control solution with control connectivity via Ethernet, IR, RS-232 and/or Relay/CC
- Programmed via simple, yet powerful, web browser application for template based programming
- No apps, licenses, PC software or drivers needed

Expand I/O with Global Cache

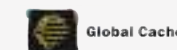


Enado™ Mini Web Server AV Control System

ENA-MINI-010

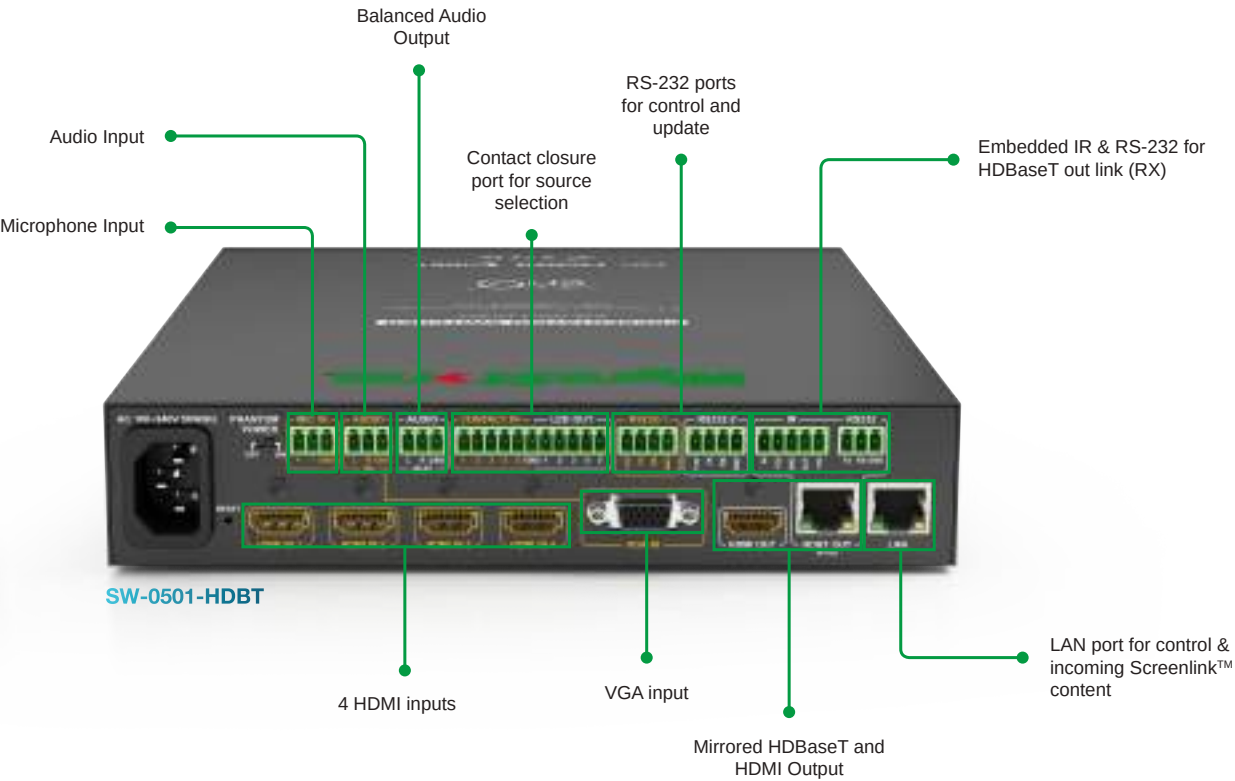
- Server-based IP control solution with control connectivity via Ethernet
- Programmed via simple, yet powerful, web browser application for template based programming
- No Apps, licenses, PC software or drivers needed
- IR, RS-232 and Relay/CC outputs added using iTach & iTach Flex devices from Global Cache.

Expand I/O with Global Cache



With ENADO, you're always in 'AV Control'

PRESENTATION SOLUTIONS



Collaboration

Comprehensive Control

Seamless Switching

SCREENLINK

WyreStorm ScreenLink™ is a new collaboration software for wired or wireless (Wi-Fi) network display-sharing through WyreStorm 5x1 HDBaseT and IP presentation switcher models, the SW-0501-HDBT and NetworkHD NHD-SW-0501.

Supporting up to 26 Windows and Mac devices per WyreStorm switcher, ScreenLink offers the combined solution of a hardwired connection for displaying uncompressed video without latency and the convenience of wireless laptop connection for the best of both collaboration worlds.

ACTIVE CEC

Consumer Electronics Control (CEC) is capable of communicating power, switching and volume commands between devices. CEC commands are communicated via an HDMI cable and are typically used to enable 'consumer electronics' devices to communicate without the need for a separate remote.

WyreStorm has embraced this technology for several years, with our HDBaseT extenders passing CEC from screen to source. The new generation of WyreStorm switchers feature 'Active CEC' to enable the ability to trigger a power on/off screen command, either automatically or via the control protocol. So kiss goodbye to unsightly IR emitters stuck to the front of displays.

SCREENWATCH

We're all about placing the highest priority on the user experience. Optimizing source switching speeds is an important way of doing just that.

Customers expect near-instantaneous switching from one source to another. With our proprietary fast-switching technology included on our full line of presentation switchers, we deliver - and at industry-leading speeds.

Whether using the SW-0501-HDBT presentation switcher in a boardroom, or the SM-0402-MV-HDMI multi-view switcher in a huddle room, our seamless switching is so fast, if you blink you'll miss it!

INPUT	OUTPUT
2	1



VGA / HDMI Smart Switcher with CEC

SW-0201-4K

- Automatic or manual switching between HDMI & VGA
- VGA audio embed
- Automatic or manual trigger of CEC enabled screen
- Contact output for deskplate button control



INPUT	OUTPUT
5	1+1

SCREENLINK



5 Input Compact Presentation Switcher/Scaler with CEC Control, Mic Input & HDBaseT Output

SW-0501-HDBT

- 4 HDMI and 1 VGA +audio source inputs to duplicate HDBaseT and HDMI output
- Microphone input allows local audio to be mixed with sources and output via 'line out'
- Built in scaler allows for instant source switching
- Automatically triggers display power over HDMI (CEC) or RS-232
- Auto scaler 640 x 480 to 1920 x 1200 @ 60Hz



INPUT	OUTPUT
10	1+1



10 Input Presentation Switcher/Scaler with Mic Inputs, HDBaseT In/Out, Seamless Switch

SW-1001-HDBT

- 6 HDMI, 1 DisplayPort, 1 HDBaseT In and 2 VGA audio source inputs to duplicate HDBaseT and HDMI outputs
- Supports two microphone inputs, two stereo audio inputs and one auto mix stereo audio output
- Automatically triggers display power over HDMI (CEC) or RS-232
- Auto scaler 640 x 480 to 1920 x 1200 @ 60Hz



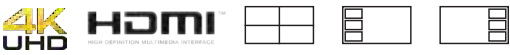
INPUT	OUTPUT
4	2



4x2 Multi-View Scaling Matrix Switch with PiP and Dynamic Windowing

SW-0402-MV-HDMI

- Each input offers analog or digital AV connectivity options (HDMI, VGA, YUV + 2 audio)
- Dual HDMI out; duplicate output or 4x2 matrix
- View any or all sources on full/partial screen, PiP, 2x2 quad-screen view or anywhere on the screen
- Seamless switching, with scaling output up to 3840 x 2160p @ 30Hz
- Advanced image processor controls source opacity and image border



INPUT	OUTPUT
4	2



4x2 Multi-View scaling Matrix switch, PiP, Dynamic Windowing & HDBaseT Output

SW-0402-MV-HDBT

- Each input offers analog or digital AV connectivity options (HDMI, VGA, YUV + 2 audio), with 1 HDBaseT & 1 HDMI output
- View any or all sources on full/partial screen, PiP, 2x2 quad-screen view or anywhere on the screen.
- Seamless switching, with scaling output up to 3840 x 2160p @ 30Hz
- Advanced image processor controls source opacity and image border
- 1 HDMI/1 HDBT output with PoH up to 4K: 35m/115ft | 1080p: 70m/230ft



Receiver Options



HDBaseT Receiver with 2-Way IR, RS-232 & PoH (4K: 35m/115ft | 1080p: 70m/230ft)

RX-70-POH

- Receives HDBaseT signals of 4K UHD up to 35m/115ft and 1080p up to 70m/230ft from a compatible transmission device
- Control via 2-way IR or RS-232
- CEC passthrough
- Low-profile 18mm chassis
- Internal handling of EDID
- For use with WyreStorm HDBaseT transmitters and matrix switchers



4K UHD HDBaseT Receiver with 5Play Support (4K: 70m/230ft | 1080p: 100m/328ft)

RX-70-4K

- Receives 4K UHD HDBaseT signals up to 70m/230ft from compatible transmission device
- For use with WyreStorm 4K UHD HDBaseT transmitters and matrix switchers
- Low-profile 18mm chassis
- Class A HDBaseT



HDBaseT Repeating Receiver with Integrated 2.1 Audio Amplifier (1080p: 70m/230ft)

AMP-001-010

- 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)
- Transmissions can be daisy-chained up to 7 times for large venue installations using just one cascaded single cable output



Remote Input Options for SW-1001-HDBT



VGA/HDMI HDBaseT Transmitter (4K: 70m/230ft | 1080p: 100m/328ft)

TX-SW-0201

- Transmit 4K UHD video, audio and control using HDBaseT via a single UTP (Cat5/6) cable directly into a projector or HDBaseT enabled display
- Allows for the connection of 2 devices source devices (HDMI and VGA +audio) and then auto-switches between the two to transmit the signal
- Can be used with WyreStorm modular matrixes and our audio amplifier receiver (AMP-001-010) for a highly scalable AV distribution system
- The transmitter includes an audio input to embed audio with the VGA signal
- Fully compatible with Epson, Sony, Panasonic and Digital Projection HDBaseT input-enabled projectors



2K	4K UHD
100M	70M



HDMI/VGA over HDBaseT Auto-Switching 2-Gang Decora In-Wall Transmitter (4K: 70m/230ft | 1080p: 100m/328ft)

TX-SW-IW-0201

- HDMI/VGA auto-switching wall plate (2-Gang Decora)
- Class A HDBaseT 5Play™ support: video, audio, 2-way IR / RS-232, power, Ethernet
- Power locally or by PoH from compatible WyreStorm receiver (RX-70-4K)
- Extends 4K UHD video, audio, control, Ethernet and power up to 4K UHD 70m/230ft | 1080p: 100m/328ft
- Built-in IR receiver window for easy TV/Projector control.



2K	4K UHD
100M	70M



HDMI over HDBaseT™ 2-Gang Decora In Wall 4K UHD Transmitter (4K: 70m/230ft | 1080p: 100m/328ft)

TX-IW-70-POH

- Extends 4K UHD video (HDMI only), audio, control, Ethernet and power up to 4K UHD 70m/230ft | 1080p: 100m/328ft
- Power locally or by PoH from compatible WyreStorm receiver (RX-70-4K)
- Class A HDBaseT 5Play™ support: video, audio, 2-way IR / RS-232, power, Ethernet



Collaboration Made Easy

With so much time often wasted during valuable meeting or class time trying to set up multi-user content sharing, a quicker, simpler approach was needed for large screen corporate and education environments - enter ScreenLink™

WyreStorm ScreenLink is a new collaboration software for wired or wireless (Wi-Fi) network display-sharing from Windows and Mac devices to its 5x1 HDBaseT and AV Over IP presentation switcher models, the SW-0501-HDBT and NetworkHD NHD-SW-0501.

Focusing on superior integration and a flawless user experience, ScreenLink features a simple three-step on-screen set-up process with fast connection of new devices to enable all users to start sharing their screens in seconds regardless of technical expertise.

Supporting the simultaneous connection of up to 26 Mac or Windows laptops/computers to each WyreStorm presentation switcher, up to 4 computers can be displayed at the same time through a variety of configuration options; including single, dual, PiP and quad-view.



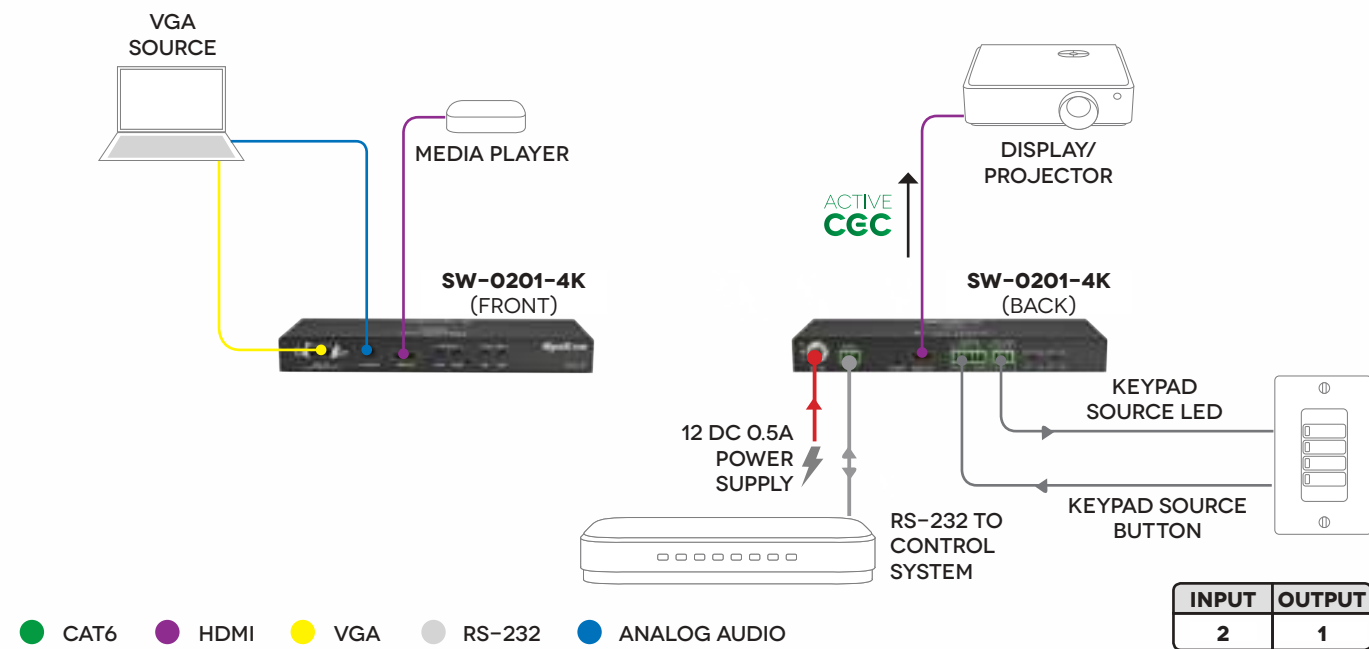
SCREENLINK

System Build Check List

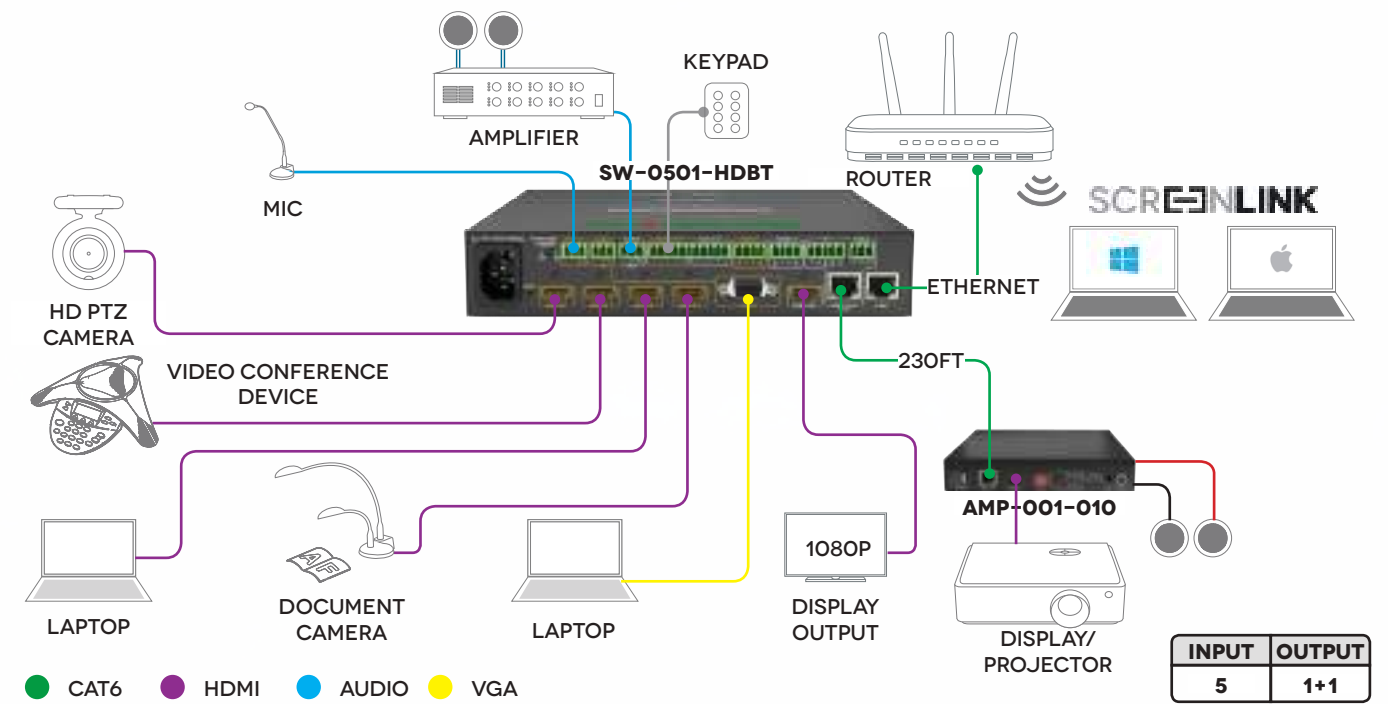
Switcher	Receiver	Remote Input	Control	
			WyreStorm Enado	Third Party Drivers
SW-0201-4K	-	-	-	-
SW-0501-HDBT	AMP-001-010 or RX-70-POH	-	ENA-MINI-001 or ENA-001-010	Crestron
SW-1001-HDBT	AMP-001-010 or RX-70-POH	TX-0201, TX-IW-70-POH, TX-IW-0201	ENA-MINI-001 or ENA-001-010	Crestron
SW-0402-MV-HDMI	-	-	ENA-MINI-001 or ENA-001-010	RTI, C4
SW-0402-MV-HDBT	RX-70-4K	-	ENA-MINI-001 or ENA-001-010	RTI, C4

PRESENTATION APPLICATIONS

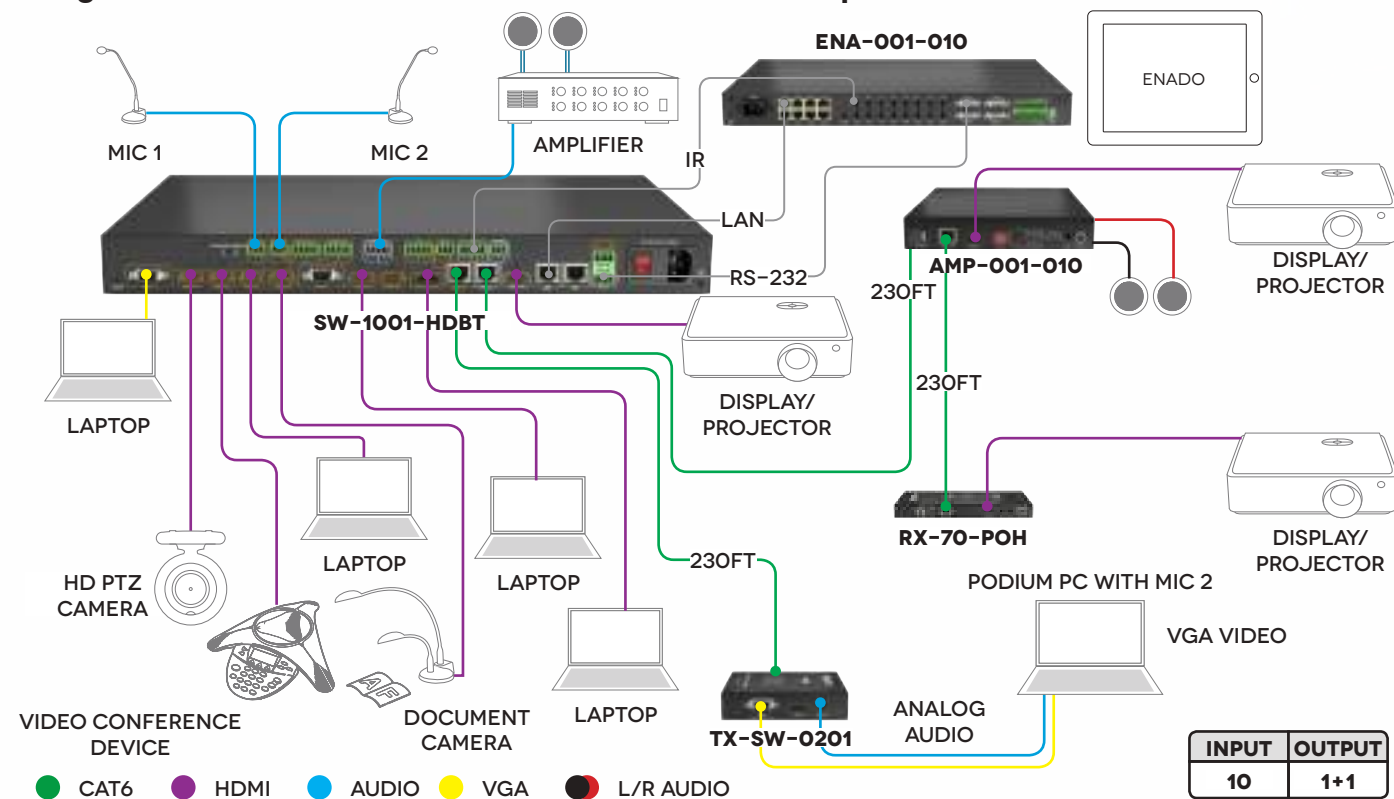
Auto Switching Extender for Small Meeting Rooms & Classrooms



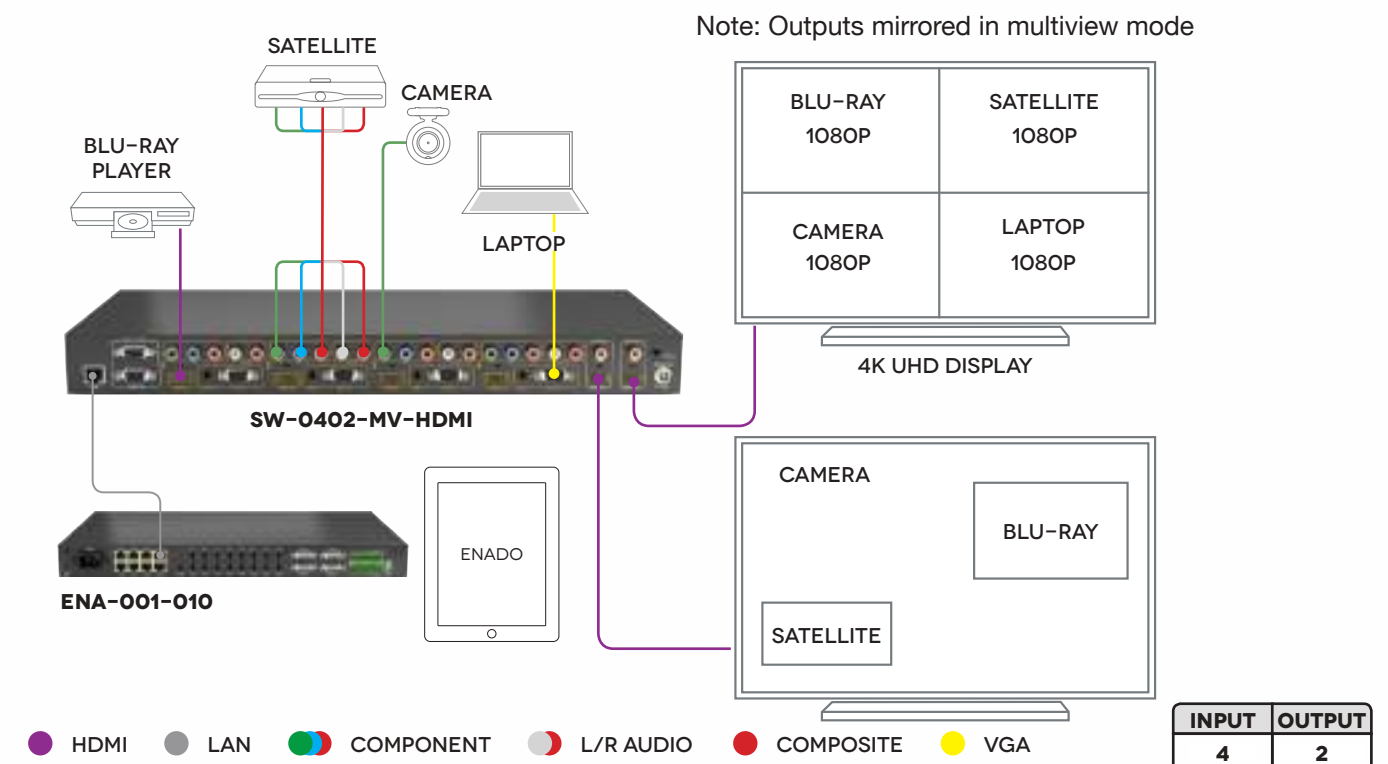
Classroom, Small Conference and Huddle Space



Large Board Room Solution with Remote HDBaseT Input

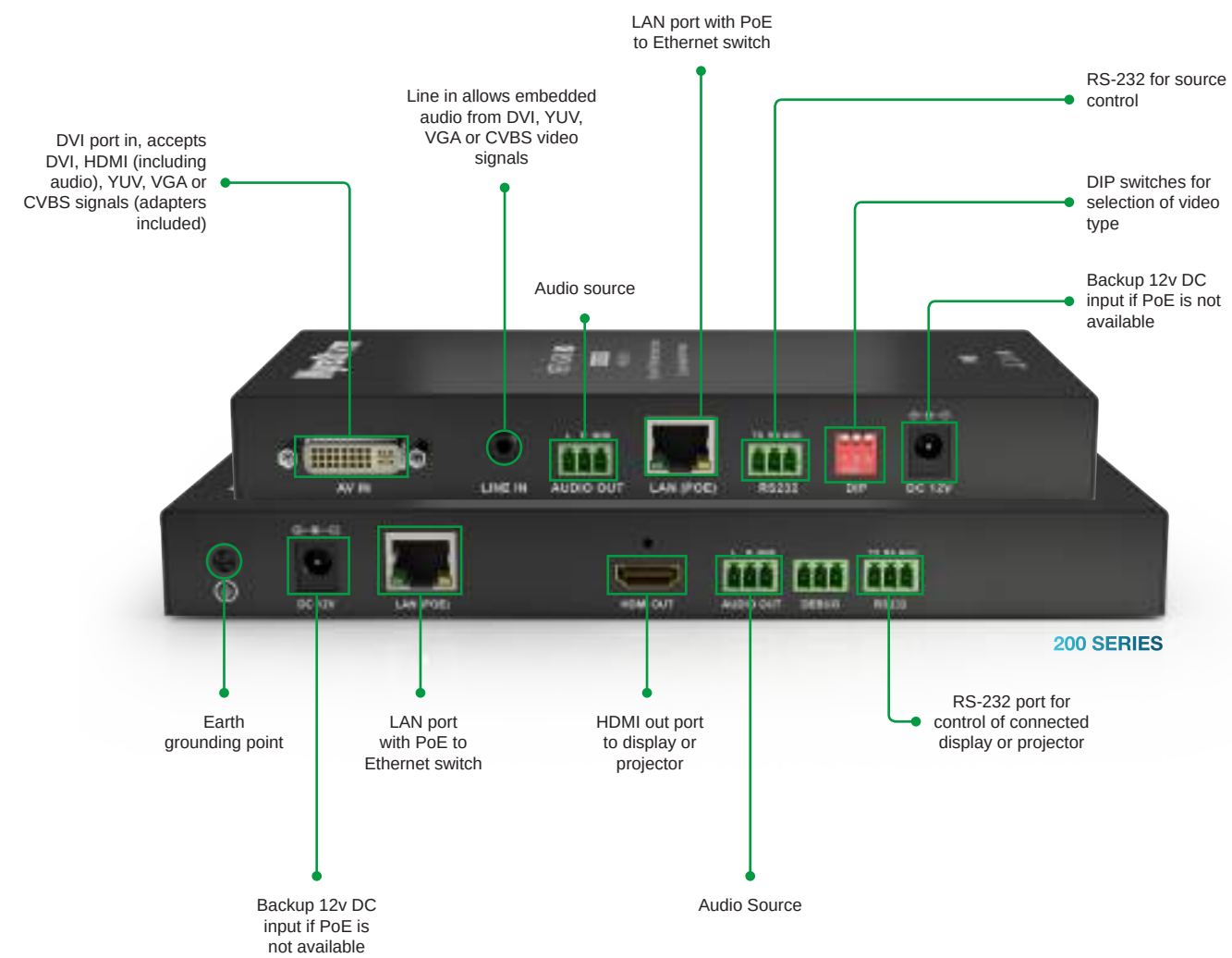


Matrix Switcher with Fully Customizable Windowing on 4K UHD Display



AV OVER IP SOLUTIONS

NETWORKHD



Network Efficiency

WyreStorm NetworkHD 100 and 200-Series AV over IP systems offer high quality H.264 compression that prioritizes low-bandwidth over a slightly higher latency - making it ideal for large-scale, high quality content distribution.

Compression is completely configurable so that low latency mode and bandwidth control can be set where visually lossless quality is not required.

The addition of an on-board scaler in the 100/200-Series decoders ensure instant, seamless switching between content of any resolution.

Scalable Infrastructure

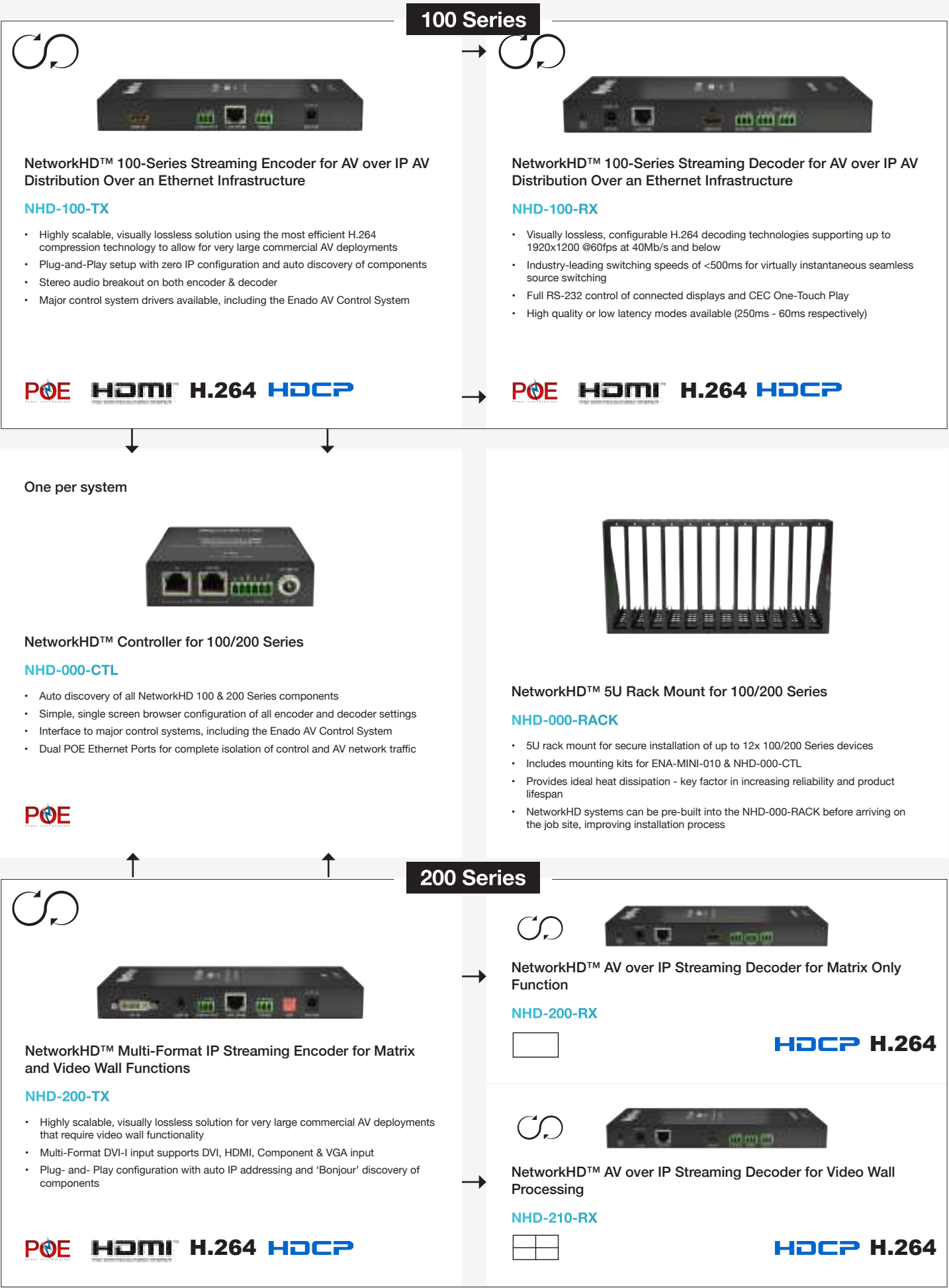
At the base of many traditional systems are fixed-platform matrix devices. These devices generally feature inflexible standard configurations of 8x8, 16x16, 32x32 and often rely on video inputs being local to the system.

WyreStorm NetworkHD AV over IP offers a modular plug-and-play infrastructure that allows a much more cost effective method of distribution to grow and expand a system, one input at a time, one output at a time, with the versatility to add sources from any network location.

The result is a totally flexible, infinitely scalable system offering exceptional value that can be tailored to the needs of the application like never before.

HIGHLY SCALABLE & FLEXIBLE CONFIGURATION

WyreStorm written drivers available for major control systems:



NOTE: Please see full user guide for system design considerations - including bandwidth, PoE and rack design.



NetworkHD™ 200-Series AV Over IP H.264 Multi-View Decoder
NHD-220-RX

- Multi-view capable of displaying 1 to 8 simultaneous NetworkHD Encoder streams on a single display
- Multiple layouts to choose from including grid view and special layouts
- 4K UHD output for high quality scaling of single images or native display of multiple 1080p images
- Industry-leading switching speeds of <500ms for virtually instantaneous seamless source switching
- Integration with leading 3rd party control systems including WyreStorm Enado and the new NetworkHD Touch app



NetworkHD™ 5 Input Compact Presentation Switcher/Scaler with CEC Control, Mic Input and IP Output
NHD-SW-0501

- 4 HDMI and 1 VGA audio source inputs to mirrored NetworkHD (IP) and HDMI outputs
- WyreStorm ScreenLink™ allows screen mirroring from network connected Windows or MacOS computers
- Microphone input with phantom power, stereo audio inputs and auto-mix stereo audio output
- Auto-scaling up to 1920x1200@ 60Hz and auto CEC for display on/off
- NetworkHD Touch, Enado and other major control system support



NetworkHD™ 4K AV over IP Encoder for 100/200 Series with PoE
NHD-240-TX

- Configurable H.264 compression supporting up to 4K UHD60Hz at 100Mb/s
- HDMI 2.0, HDCP 2.2, PoE and RS-232
- Preview Stream for display on PC's Tablets, Control Systems or the NetworkHD Touch App.
- Stunning UHD video walls with single sources displayed at up to 16 x 16 screens



NetworkHD™ 4K AV over IP Decoder for 100/200 Series with PoE
NHD-240-RX

- Server-based IP control solution for BYOD control deployment
- Programmed via a simple, yet powerful, web browser application for template based programming
- No Apps, licenses, PC software or drivers needed - enable thousands of devices to control an AV system
- IR, RS-232 and Relay/CC outputs added using iTach & iTach Flex devices from Global Cache



NHD-000-CTL UI Examples



NetworkHD™ Touch

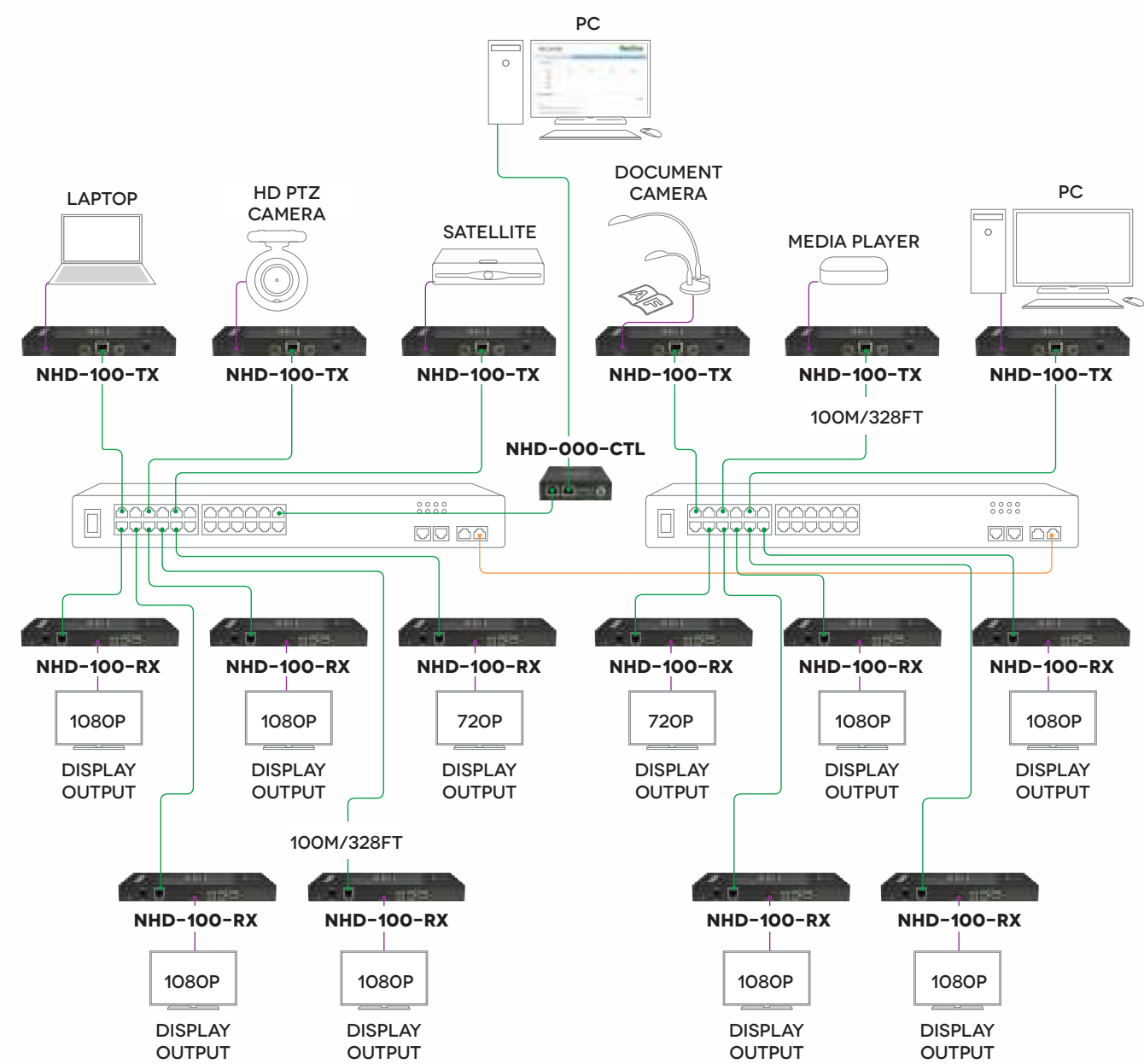
Download free on the APP STORE



System Build Check List

Encoder	Decoder	Platform	Function	Controller	Rack	WyreStorm AV Control	Third Party Drivers
NHD-100-TX	NHD-100-RX	H.264	Matrix with Fast Switch	NHD-000-CTL	NHD-000-RACK	ENA-MINI-001 or ENA-001-010	Crestron, AMX, C4, RTI
NHD-200-TX	NHD-200-RX	H.264	Matrix with Fast Switch	NHD-000-CTL	NHD-000-RACK	ENA-MINI-001 or ENA-001-010	Crestron, AMX, C4, RTI
NHD-200-TX	NHD-210-RX	H.264	Video Wall	NHD-000-CTL	NHD-000-RACK	ENA-MINI-001 or ENA-001-010	Crestron, AMX, C4, RTI
NHD-200-TX	NHD-210-RX	H.264	Multi View	NHD-000-CTL	NHD-000-RACK	ENA-MINI-001 or ENA-001-010	Crestron, AMX, C4, RTI
NHD-240-TX	NHD-240-RX	H.264	4K UHD	NHD-000-CTL	NHD-000-RACK	ENA-MINI-001 or ENA-001-010	Crestron, AMX, C4, RTI

Large Scale Matrix Switching

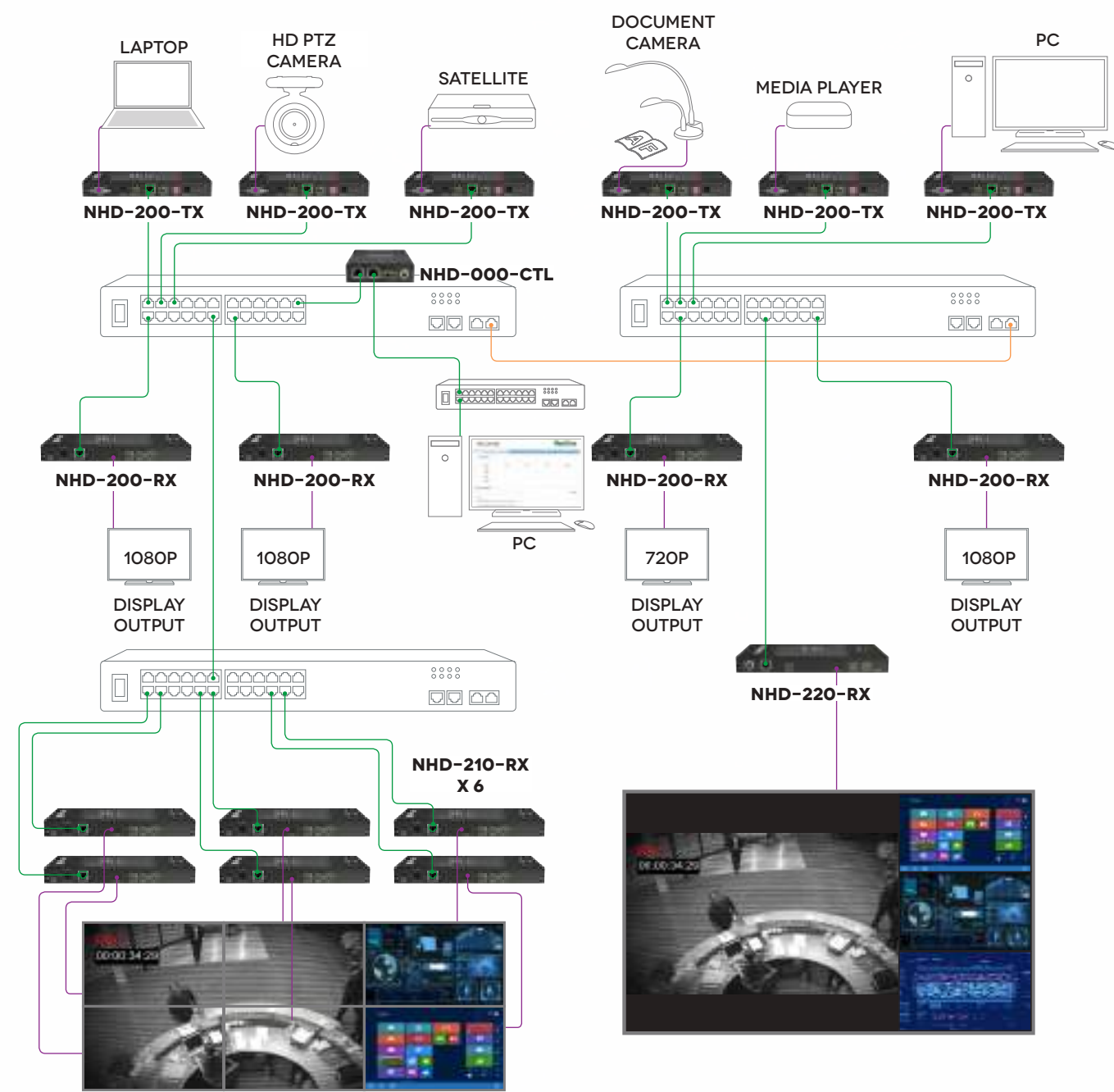


For cable runs over 100m/328ft an active network device such as a hub or switch is required.

● CAT6 ● HDMI ● FIBER

See wyrestorm.com for PoE specifications.

Large Scale Matrix Switching with Video Wall

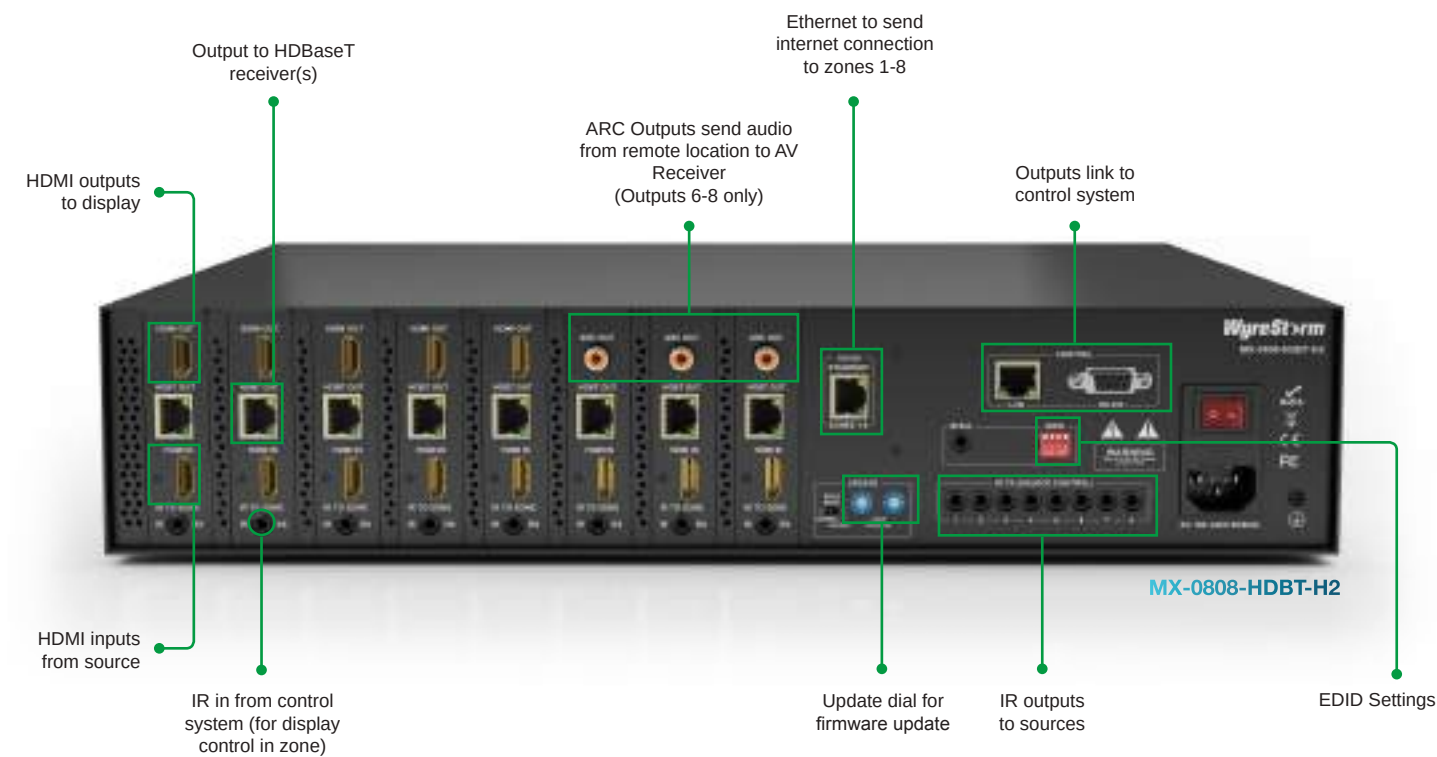


For cable runs over 100m/328ft an active network device such as a hub or switch is required.

● CAT6 ● HDMI ● FIBER

See wyrestorm.com for PoE specifications.

MATRIX SOLUTIONS



Fully Compliant

HDCP 2.2

HDCP (High-bandwidth Digital Content Protection) has been around since 2001 when Intel required a method of protecting digital content as it passed between two locations, with the goal being to stop such content being viewed or replicated on unauthorized computers.

The latest version of the HDCP standard that has been the talking point of many a webinar and editorial, HDCP 2.2 is the encryption standard that will be tied to all copyrighted 4K UHD content from Q4 2015. Its predecessors have all been cracked in recent years, meaning that a new copy protection standard was needed to protect the huge and continually growing amount of 4K UHD content available on the market.

WyreStorm's latest 4K UHD matrix and extender products already support this new encryption standard to ensure full compatibility with the very latest 4K HDR content, source and display devices.

Enhanced Audio Features

A.R.C

ARC, or 'Audio Return Channel' is essentially unique to the residential market. Unlike most HDMI information that flows 'downstream' to the screen, it allows audio information to flow 'upstream' from a smart TV to a compatible device, usually an AV receiver (AVR).

Therefore, a separate audio interconnection is not required. Content available within the TV, whether it be locally connected, network connected or on-demand can have its audio sent via the ARC channel to a nearby connected AVR. This means that the content can be played through the local speakers just as if it were connected to the AVR itself.

The WyreStorm line features ARC compatible HDBaseT matrices and extenders that enable ARC content from a screen to be fed 'upstream' via HDBaseT over distances up to 100m/328ft to any audio amplification system.

ARC is also supported on the WyreStorm AMP-001-010 HDBaseT Repeating Receiver with Integrated 2.1 Audio Amplifier.

4K UHD Supported Formats

4K HDR

Two 'versions' of 4K UHD resolution exist. Both offer 2160 progressively scanned horizontal lines, with 4K UHD featuring 3840 vertical lines and DCI offering a slightly increased rate of 4096.

Refresh rates and the chroma subsampling color palette adopted can be compatibility-critical, with both typically determined by the source used. 30Hz with a higher color palette of 4:4:4 is mainly used PC and graphics-based applications. 60Hz with 4:2:0 color sampling is largely adopted by broadcasters/studios to distribution 4K UHD movies and TV shows.

HDR is a new picture technology that dramatically improves the range of color and contrast of each pixel displayed on screen. The combination of 4K resolution and HDR processing results in a truly astounding picture quality that is the current benchmark of visual excellence.

Of course, the WyreStorm line of 4K UHD and HDR solutions is fully compatible with both 4K resolutions, refresh rates and color palettes.

Time is money,
with WyreStorm 1U
Compact Matrix Solutions,
you'll have a little more
of both.

INPUT	OUTPUT
4	4



4x4 HDBaseT Matrix Kit with 4x HDBaseT Receivers (1080p: 70m/230ft)

MX-0404-POH-KIT

- PoH technology powers the receivers from the matrix.
- Complete solution – Includes (4) PoH 70m receivers
- Reliable HDBaseT transmission ensures 1080p transmission to 70m
- 2-way IR enables control of both sources and displays
- QuickSync™ for fast switching between sources



INPUT	OUTPUT
4	4 + 4



4x4 HDBaseT 4K UHD Matrix Kit with HDCP 2.2, Mirrored HDMI and 4x HDBaseT Receivers (4K: 35m/115ft | 1080p: 70m/230ft)

MX-0404-HDBT-H2-KIT

- HDBaseT Transmission of 4K UHD 60Hz @ 4:2:0 up to 35m (98ft)
- Supports 10-bit HDR content @24Hz over HDBaseT
- 4x mirrored HDMI outputs for connection to local AVR's or further screens
- PoH technology powers the receivers from the matrix.



INPUT	OUTPUT
4	4



4x4 HDMI Matrix Kit, Source Control and Remote with 4x UTP Receivers (1080p: 40m/131ft)

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, Matrix control via RS-232 or LAN
- EDID management

HDMI CAT5e/6

INPUT	OUTPUT
4	4+1



Coming Soon! Q1 2017

4x4 HDBaseT 4K UHD Matrix Kit with HDCP 2.2, Audio Breakout and 4x HDBaseT Receivers (4K: 35m/115ft | 1080p: 70m/230ft)

MX-0404-HDBT-H2A-KIT

- HDBaseT Transmission of 4K UHD 60Hz @ 4:2:0 up to 35m (98ft)
- Output audio breakout via line level S/PDIF or 3.5mm phoenix port
- Supports 10-bit HDR content @24Hz over HDBaseT
- Single mirrored HDMI output for connection to local AVR or TV
- PoH technology powers the receivers from the matrix.



INPUT	OUTPUT
4	8



Coming Soon! Q1 2017

4x8 4K UHD Matrix Kit with 6 HDBaseT outputs and HDCP 2.2 (4K: 35m/115ft | 1080p: 70m/230ft)

MX-0408-HDBT-H2L

- Fantastic value 8-output matrix allowing access to four 4K UHD source devices
- HDBaseT Transmission of 4K UHD 60Hz @ 4:2:0 up to 35m (115ft)
- Supports 10-bit HDR content @24Hz over HDBaseT
- Six Class B HDBaseT outputs with PoH
- Two HDMI matrix outputs for connection to local AVR's or screens



WyreStorm written drivers available for major control systems including:



4K Solutions



4K UHD
70M

4K UHD HDBaseT 5Play Matrix Switchers with ARC and HDCP 2.2 (4K: 70m/230ft | 1080p: 100m/328ft)

MX-0606-HDBT-H2 & MX-0808-HDBT-H2

- 6 or 8 HDMI inputs supporting 4K UHD, 4:2:0 8-bit @ 60Hz
- 4K UHD 60Hz 4:2:0 8-bit | HDR 24Hz 4:2:0 10-bit up to 70m/230ft
- Class A HDBaseT 5Play: video, audio, 2-way IR and RS-232, PoH power, Ethernet
- SmartEDID detects display/source capabilities to output the highest resolution
- ARC enabled for audio breakout, mirrored HDMI outputs
- QuickSync™ instant frameless switching, EDID management
- New WebUI gives simple switching interface for easy setup & configuration



Coming
Soon!
Q1 2017

4K UHD
35M

4K UHD Class B HDBaseT Matrix Switchers with HDCP 2.2 (4K: 40m/131ft | 1080p: 80m/262ft)

MX-0606-HDBT-H2L & MX-0808-HDBT-H2L

- 6 or 8 HDMI inputs supporting 4K UHD, 4:2:0 8-bit @ 60Hz
- HDBaseT Transmission of 4K UHD 4:2:0 @ 8-bit 60Hz or 10-bit HDR to 40m/262ft
- SmartEDID dynamically detects display/source capabilities to output the highest resolution available
- ARC enabled for audio breakout
- QuickSync™ instant frameless switching, EDID management
- New WebUI gives simple switching interface for easy setup & configuration



2K	4K UHD
100M	70M

ARC



4K UHD HDBaseT Receiver with 5Play and ARC (4K: 70m/230ft | 1080p: 100m/328ft)

RX-70-4K-ARC

- Audio Return Channel (ARC) from Smart TV
- TOSLINK input allows for audio from TVs without ARC support to send audio to the transmitter
- S/PDIF output allows for extraction of source audio from HDBaseT signals
- ARC selectable between audio from HDMI or S/PDIF input
- Class A HDBaseT 5Play device: video, audio, 2-way IR and RS-232 control, PoH power, Ethernet



2K	4K UHD
100M	70M



4K UHD HDBaseT Receiver with 5Play (4K: 70m/230ft | 1080p: 100m/328ft)

RX-70-4K

- Receives 4K UHD HDBaseT signals up to 70m/230ft from the transmitter
- Class A HDBaseT 5Play device: video, audio, 2-way IR and RS-232 control, PoH power, Ethernet
- For use with WyreStorm 4K UHD HDBaseT transmitters and matrix switchers



2K Solutions

INPUT	OUTPUT
6	6 + 6

NEW



6x6 HDBaseT Matrix Switcher with PoH (1080p: 70m/230ft)

MX-0606-PP-POH

- 6x HDMI Input - 6x Class B HDBaseT Output + 6x HDMI output (mirrored)
- Class B HDBaseT distributes 1080p HD video@60Hz/36bit to 70m/230ft
- Multichannel HD audio
- Control via 2-way IR, Routed RS-232, RS485, LAN
- QuickSync™ instant frameless switching, EDID management
- PoH remote power to receivers
- New WebUI gives simple switching interface for easy setup & configuration



INPUT	OUTPUT
8	8 + 8



8x8 HDBaseT Matrix Switcher with PoH (1080p: 70m/230ft)

MX-0808-PP-POH

- 8x HDMI Input - 8x Class B HDBaseT Output + 8x HDMI output (mirrored)
- Class B HDBaseT distributes 1080p HD video@60Hz/36bit to 70m/230ft
- Multichannel HD audio
- Control via 2-way IR, Routed RS-232, RS485, LAN
- QuickSync™ instant frameless switching, EDID management
- PoH remote power to receivers
- New WebUI gives simple switching interface for easy setup & configuration



INPUT	OUTPUT
16	16 + 16



16x16 HDBaseT Matrix Switcher with PoH (1080p: 70m/230ft)

MX-1616-PP-POH

- 16 HDMI Inputs - 16 Class B HDBaseT & 16 mirrored HDMI outputs
- Distributes 1080p and multichannel HD audio to 70m/230ft
- Control via 2-way IR, RS-232 and IP
- Routed serial commands to all outputs via RS-232 or IP
- QuickSync™ instant switching, EDID management
- PoH enabled - Powers all 16 HDBaseT receivers
- WebUI gives simple switching interface and allows easy setup & configuration



2K	4K UHD
70M	35M



HDBaseT Receiver with PoH (4K: 35m/115ft | 1080p: 70m/230ft)

RX-70-POH

- Compatible with Class B and Class A (without Ethernet) HDBaseT transmissions
- Supports Multichannel HD audio including Dolby Atmos & DTS:X
- Passes bidirectional IR and RS-232 control signals
- PoH enabled - Powered from compatible transmitting device
- For use with WyreStorm HDBaseT transmitters, PP-POH, H2 and H2L series matrix switchers



Control System IR Cable



IR link Cable for Control System Integration

CAB-IR-LINK

- The missing link needed for seamless integration of a control system and display devices
- Easily connects to any mainstream control system to easily integrate TVs and projectors and achieve proper display control
- Auto-sensing feature for polarity and voltage recognizes different control systems for easy integration

Smart EDID

WyreStorm's unique EDID management feature dynamically adjusts EDID demands by scanning active outputs and monitoring source switching. This allows 4K content to be displayed when the selected screens are 4K and automatically switches the source to 1080p when a 2K screen is selected for the same source. This is a perfect way to ensure that the highest resolution available from the source is displayed on screens that support its maximum resolution.

Benefits:

- With SmartEDID there is no need to set the source to 2K resolution when a system contains both 4K and 2K screens.
- Outputs switch back to 4K once the 2K screen is deselected.
- SmartEDID is standard on the H2/H2X matrix's and is the default setting out of the box.
- Adjustments can be made using either, Matrix DIP switches or Web UI

H2 Matrix Series Goes Modular

All AV projects are unique. Whether residential or commercial, size, complexity, application and customer experience all vary. No two AV distributions are exactly the same.

It's with this in mind that our H2 Series Matrix Switchers are now also available with a customizable modular transmission cards for the creation of flexible 4K UHD HDBaseT distributions tailored to the precise needs of your project.

1. **TX-H2-ARC:** Class A HDBaseT Transmission Card with S/PDIF ARC Output
2. **TX-H2-AUD:** A HDBaseT Transmission Card with Line-Level Audio Breakout
3. **TX-H2-MIR:** Class A HDBaseT Transmission Card with Mirrored HDMI Output
4. **TX-H2-CLB:** Class B HDBaseT Transmission Card for H2 Matrix Switchers

NEW



1

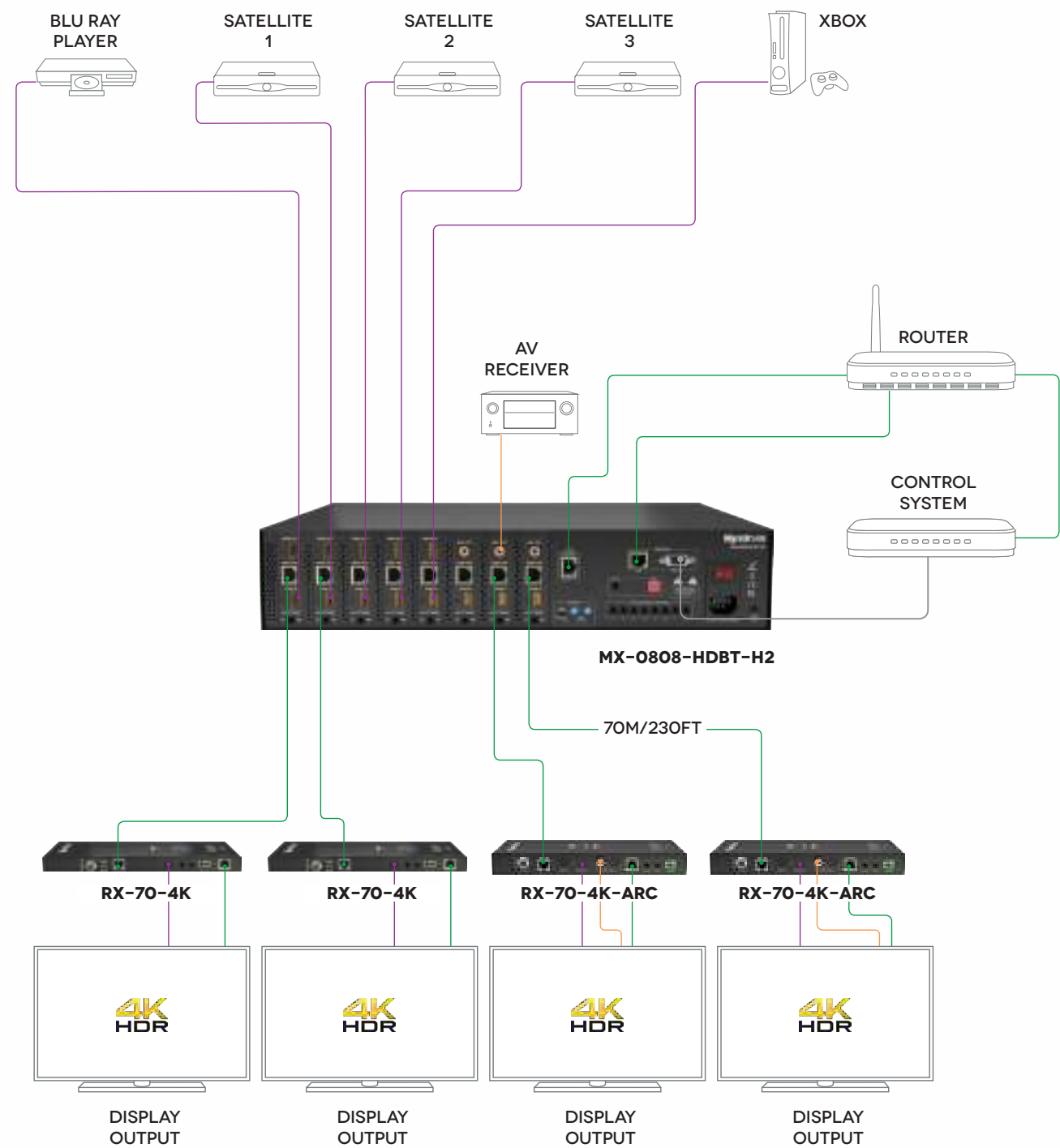
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3

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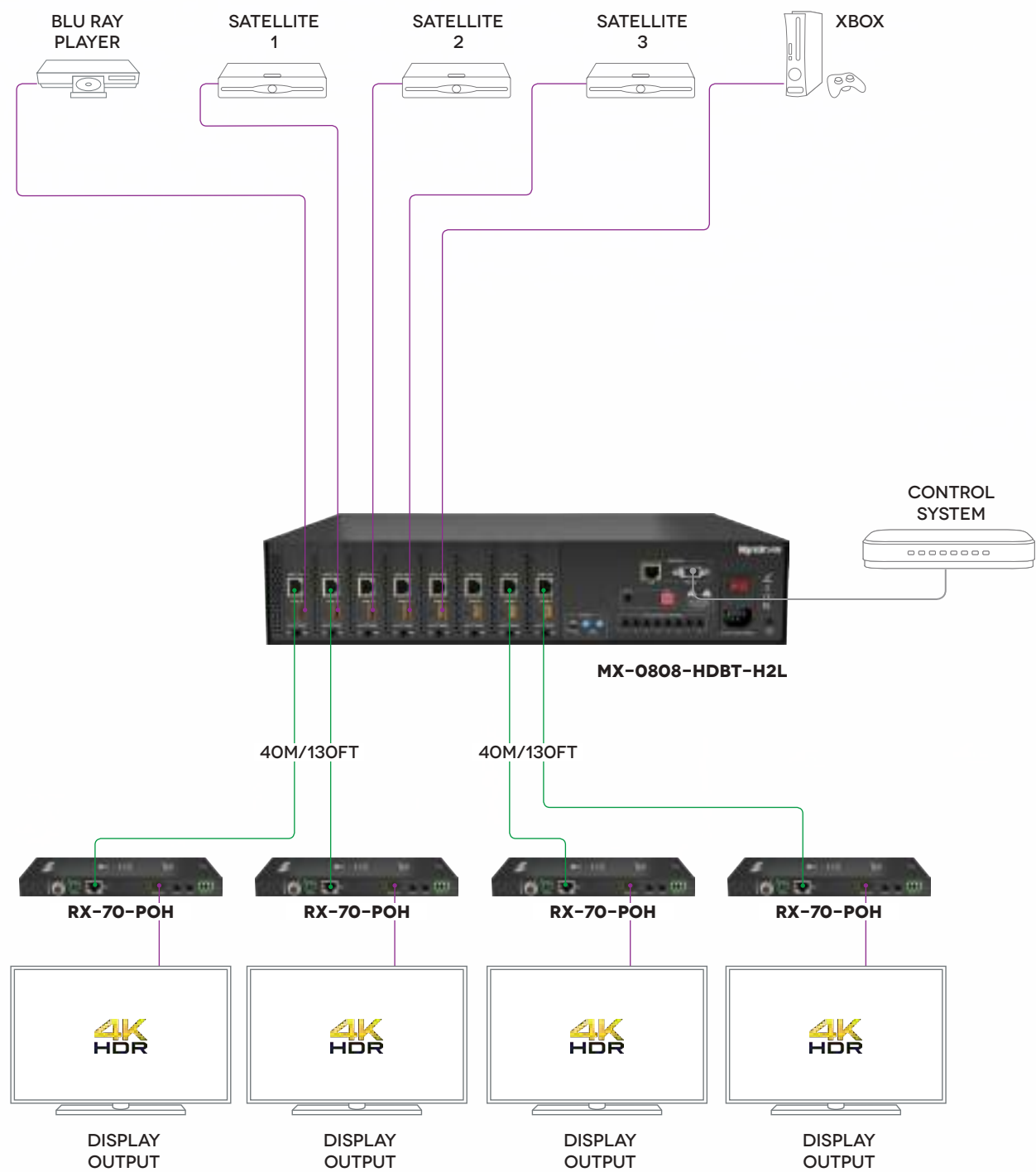
4K UHD DISTRIBUTION SOLUTIONS

H2 Series



● CAT6 / ETHERNET ● HDMI ● RS-232 ● DIGITAL AUDIO

H2L Series



● CAT6 ● HDMI ● RS-232

The Sound Choice!

The H2X Series of 4K Ultra HD matrix switchers was developed specifically for large, high-end residential and commercial applications requiring multi-source video distribution of the latest 4K HDR content AND multi-source audio matrix switching to multiple zones.

With best-in-class transmission of full-range 4K UHD video over HDMI 2.0 and Class A HDBaseT with 5Play™ support, the H2X is a true evolution in AV signal distribution that is quite literally wired for sound for the ultimate flexibility over what audio can be distributed from where, and to where.

An integrated audio matrix with powerful DSP routes up 48 separate ARC, pre-out or adjustable line-level audio sources through the matrix via HDBaseT, including high quality distribution of audio-only sources and digital audio streaming devices such as Sonos, Apple Airplay, and DLNA devices.



H2X Matrix Switchers

- Video performance equal to WyreStorm H2 Series matrix switchers platform
 - 4K UHD 4:2:0 8-bit 60Hz to 70m
 - 4K UHD 4:2:0 10-bit HDR 24Hz to 70m
- HDBaseT 5Play transmission with ARC to all zones
- Mirrored HDMI for every HDBaseT zone (supporting 18Gbps)
- Seamless source switching using scaling RX
- Audio Matrix with 3 possible source inputs per zone
 - Audio de-embed of HDMI sources
 - S/PDIF audio in (Sonos, Apple Airplay)
 - ARC from zones (Up to 5.1)
- 10 or 16 line out by analog or S/PDIF
- Audio DSP allows adjustment of gain, EQ and delay per zone
- Automatic or manual CEC power triggers for every HDMI & HDBaseT output
- AVR Priority mode allows dynamic EDID adjustment depending on audio demand
- Source restriction per zone
- Diagnostic continually monitors performance of main board and TX cards

RX-70-4K-SCL

- Resolves issue with mixing 4K & 2K screens in an installation by down-scaling UHD 4K content to 1080/720p
- Also up-scales any incoming content to 4K/60 4:4:4 8-Bit
- Receives 4K UHD @60Hz 4:2:0 or HDR @24Hz at 70m/230ft and 1080p content at 100m/328ft
- Scaling, ARC, CEC & Audio Out controllable via HDBaseT/Ethernet link by Telnet
- Optical input allows TVs without ARC support to send audio to the matrix
- S/PDIF and Analog audio breakout
- Dual Ethernet ports
- 2-way IR & RS-232
- HDCP 2.2 compliant

Coming
Soon!
Q1 2017



NEW

Modular Transmission Card for H2X Matrix Feat. HDBaseT Input and HDBaseT Output

TX-H2X-HDBT

- Perfect for situations where source devices are situated away from rack
- Both HDBaseT ports provide PoH, Ethernet and control signals to TX & RX location
- Includes audio input and output ports with DSP



RX-70-4K-SCL

MX-1010-HDBT-H2X



MX-1616-HDBT-H2X



TX-SW-IW-0201



Build your own matrix online with the WyreStorm
Modular Matrix System Planner

WyreStorm PP Series Custom Modular Matrix Switchers with PoH

The WyreStorm MX-PP-POH-CUSTOM Series of matrix switchers takes customizable AV integration to the next level. A totally modular, built-to-order matrix solution, 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. Choose from 11 different digital and analog transmission modules, including HDMI, YUV, VGA, DVI, HDBaseT In and even audio only sources for a truly custom distribution tailored to individual specifications.



8 Slot HDBaseT Modular Matrix Chassis (1080p: 70m/230ft)

MX-0808-PP-POH-CUSTOM

- Class B HDBaseT 1080p@60Hz/36bit video, multichannel audio, bidirectional control up to 70m/230ft
- Power Over HDBaseT remotely powers all display zone receivers
- Control via 2-way IR, routed RS-232 for serial control of all connected output devices with support for major control systems
- QuickSync™ instant frameless switching, EDID management
- Matrix outputs cascable to a maximum of 56 screens
- 2U chassis





16 Slot HDBaseT Modular Matrix Chassis (1080p: 70m/230ft)

MX-1616-PP-POH-CUSTOM

- Class B HDBaseT 1080p@60Hz/36bit video, multichannel audio, bidirectional control up to 70m/230ft
- Power Over HDBaseT remotely powers all display zone receivers
- Control via 2-way IR, routed RS-232 for serial control of all connected output devices with support for major control systems
- QuickSync™ instant frameless switching, EDID management
- Matrix outputs cascable to a maximum of 112 screens
- Choose from 11 different transmission cards
- Input from HDMI, YUV, VGA, DVI or even audio-only sources
- 3U chassis supports up to 16 custom inputs and 16 custom outputs



2K	4K UHD
70M	-



HDBaseT Receiver with PoH (1080p: 70m/230ft)

RX-70-POH

- Receives 1080p HD video@60Hz/36bit Class B HDBaseT signals to 70m/230ft
- Multichannel HD audio
- Control via 2-way IR and RS-232
- PoH remote power from matrix
- For use with WyreStorm HDBaseT transmitters and PP-POH Series matrix switchers



Need help with an application?

Call or email us if you need system design assistance with your next application.

Tel UK: **+44 (0) 1793 230 343**
Tel US: **518-289-1293**
Email: **systemdesigns@wyrestorm.com**



- TX-POH-010** - HDBaseT Out, **HDMI Out, HDMI In, IR In**

TX-POH-020 - HDBaseT Out, **HDMI 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 Only**, 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

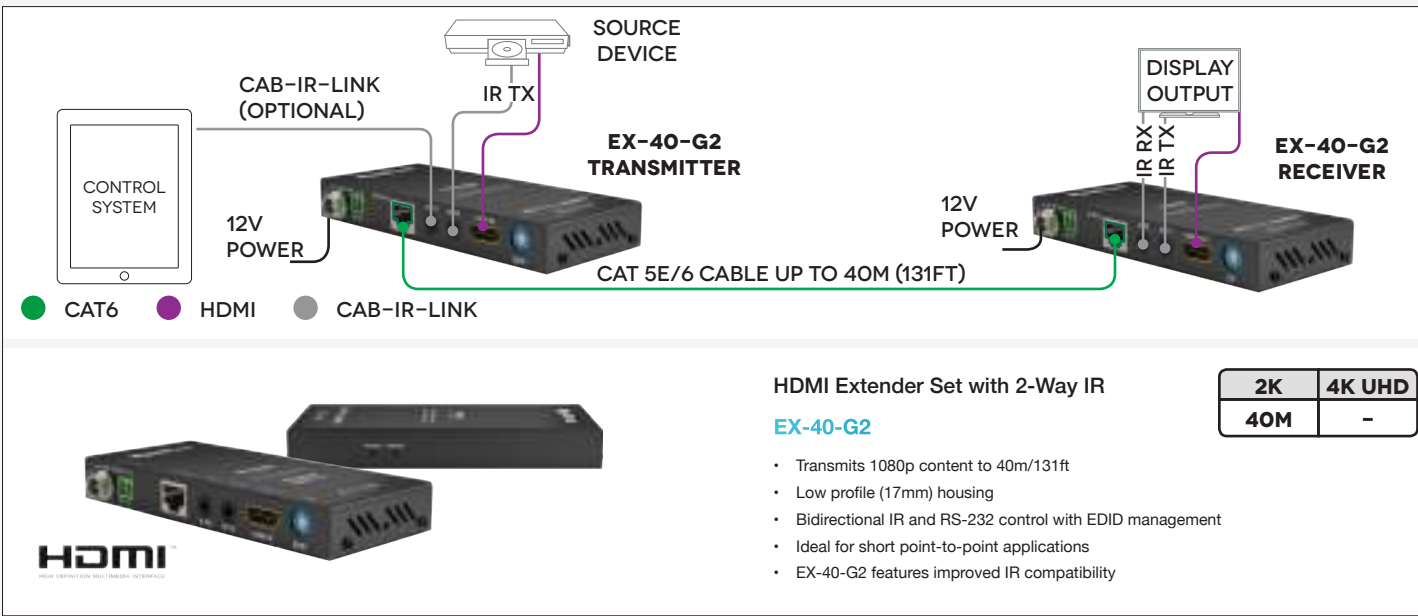
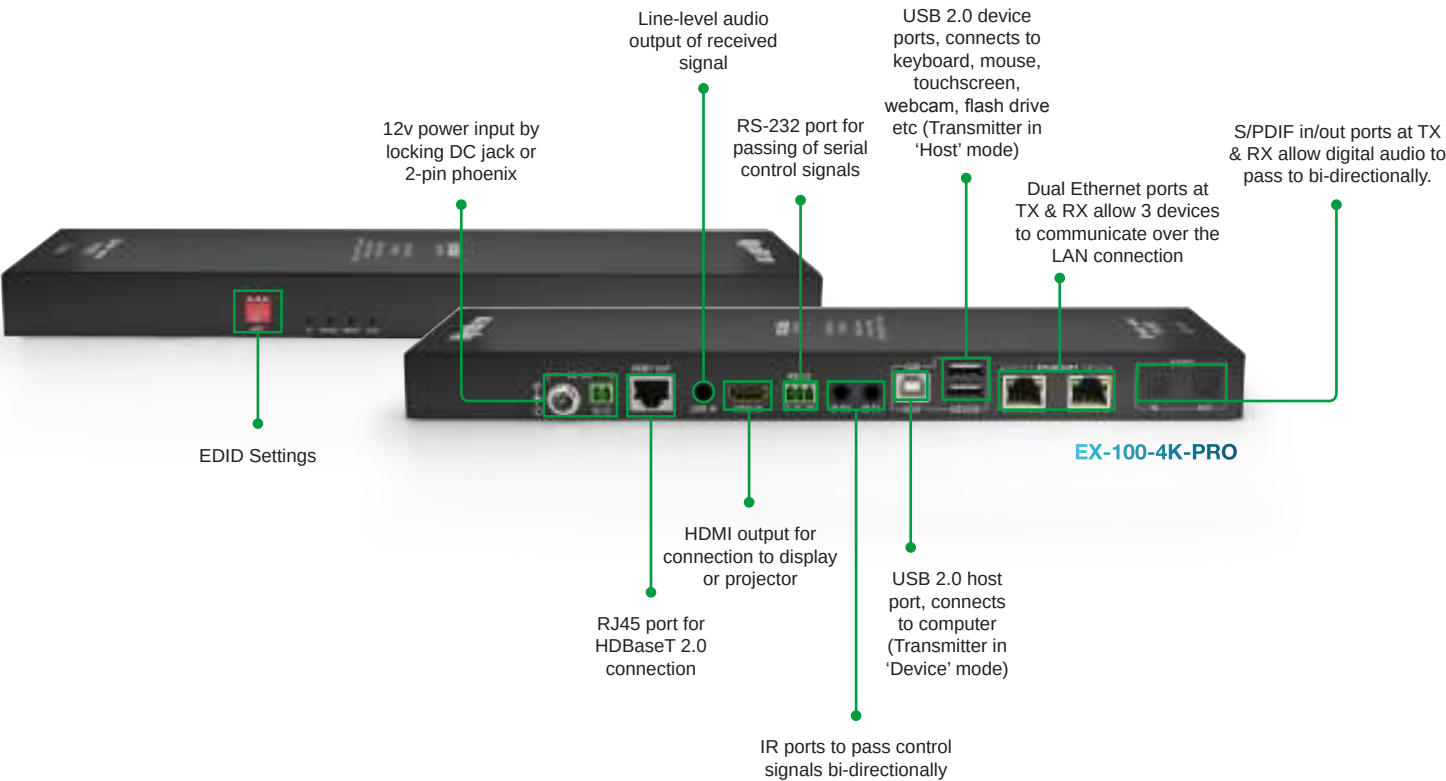
TX-POH-080 - **HDMI Input Only**

TX-POH-090 - HDBaseT Out, **Component + Audio**, IR In

TX-POH-100 - HDMI Out, **HDBaseT In**, IR In, RS-232

TX-POH-110 - HDMI In, **HDMI Out, Source Loop HDMI Out**

EXTENDER SOLUTIONS



H2 Range

2K	4K UHD
100M	70M

NEW

4K UHD HDBaseT Extender Set with 2-way PoH and Bidirectional IR & RS-232 (4K: 35m/115ft | 1080p: 70m/230ft)

EX-35-H2

- Revised chipset increases compatibility with new UHD sources
- 2-way PoH for maximum flexibility during installation
- Transmits 4K UHD @60Hz 4:2:0 or HDR @24Hz up to 35m/115ft and 1080p content up to 70m/230ft
- Bidirectional IR & RS-232
- HDCP 2.2 compliant

4K HDR HDBT PoH HDMI HDCP 2.2

2K	4K UHD
100M	70M

NEW

HDBaseT 4K UHD Extender Set with 2-way PoH and Bidirectional IR & RS-232 (4K: 70m/230ft | 1080p: 100m/328ft)

EX-70-H2

- Revised chipset increases compatibility with new UHD sources
- 2-way PoH for maximum flexibility during installation
- Transmits 4K UHD @60Hz 4:2:0 or HDR @24Hz up to 70m/230ft and 1080p content up to 100m/328ft
- Bidirectional IR & RS-232
- HDCP 2.2 compliant

4K HDR HDBT PoH HDMI HDCP 2.2

2K	4K UHD
100M	70M

NEW

HDBaseT 4K UHD Extender Set with 5Play (4K: 70m/230ft | 1080p: 100m/328ft)

EX-70-H2X

- HDCP 2.2 compliant
- Revised chipset increases compatibility with new UHD sources
- Transmits 4K UHD @60Hz 4:2:0 or HDR @24Hz up to 70m/230ft and 1080p content up to 100m/328ft
- 5Play support: Video, Audio, Bidirectional IR/RS-232, Power and Ethernet
- 2-way PoH for maximum flexibility during installation

4K HDR HDBT 5PLAY HDMI HDCP 2.2

2K	4K UHD
100M	70M

NEW

4K UHD HDBaseT 5Play Extender Set Featuring ARC or Optical Audio Return (4K: 70m/230ft | 1080p: 100m/328ft)

EX-70-H2X-ARC

- Revised chipset increases compatibility with new UHD sources
- 5Play support: Video, Audio, Bidirectional IR/RS-232, Power and Ethernet
- HDCP 2.2 compliant
- Transmits 4K UHD @60Hz 4:2:0 or HDR @24Hz up to 70m/230ft and 1080p content up to 100m/328ft
- TOSLINK input on receiver allows for audio from TVs without ARC support to send audio to the transmitter
- S/PDIF audio breakout on receiver

4K HDR HDBT 5PLAY ARC HDCP 2.2

4K Ultra HD Evolution

4K HDR

Next generation 4K HDR content needs a reliable next generation HDBaseT extender solution. The WyreStorm H2 Series comprises four low-profile extender models for perfect point-to-point delivery of the latest 4K UHD content up to 70m/230ft or 1080p up to 100m/328ft – and a whole lot more.

A baseline feature set across all H2 models supports 4K UHD video@60Hz and 4K HDR@24Hz with 10bit color, DTS:X and Dolby Atmos audio for powerful home theatre applications, 2-way IR and RS-232 passthrough and 2-way PoH for the ultimate in installation flexibility.

In this brave new 4K HDR world, device compatibility can be a gamble. All extenders in the H2 Series feature a revised chipset that increases compatibility with new UltraHD sources so you're not playing Russian roulette with your distribution.

Step Up to HDBaseT 5Play™

5PLAY

The entry level EX-35-H2 uses HDBaseT Class B to pack a punch when it comes to extending transmission and control of satellite or cable box, or Blu-ray player from a living room to a bedroom up to 35m (4K) or 70m (1080p)

Its EX-70-H2 bigger brother doubles the distance with HDBaseT Class A to 70m (4K) or 100m (1080p) to open up commercial applications where content can be sent from a network-attached media player locked away in a cabinet, up to a ceiling projector in a classroom and powered from that location.

The EX-70-H2X takes another step up with support for the HDBaseT 5Play feature set adding Ethernet pass-through to the mix. EDID adjustment is also included on the transmitter for manual selection of source video and audio settings.

Enhanced Audio with ARC

ARC

The EX-70-H2X-ARC tops off the H2 Series by adding Audio Return Channel functionality to its HDBaseT Class A 5Play specification that enables digital audio from a Smart TV to be sent back to the transmitter and broken out to an AVR or audio system.

Even older, not-so-smart, TVs without true ARC functionality can get in on the action with audio de-embed on the receiver allowing audio to be sent back via its TOSLINK S/PDIF and analog inputs.

Four new HDBaseT extender models. A variety of feature sets. The H2 Series offers endless point-to-point 4K UHD content delivery possibilities for residential and commercial applications.

Pro AV Extenders



2K	4K UHD
150M	100M

HDBaseT 2.0



HDBaseT2.0 Extender with Dual Network, USB, 2-Way SPDIF, 2-Way IR, RS-232, Audio Embed (4K: 100m/328ft | 1080p: 150m/492ft)

EX-100-4K-PRO

- WyreStorm's first HDBaseT 2.0 device offering the very latest in transmission technology
- Class A HDBaseT 5Play device: video, audio, 2-way IR and RS-232 control, PoH power, Ethernet
- USB 2.0 passthrough offering full data transfer capability. Single host and dual device ports on both TX and RX
- Both TX & RX have 2 Ethernet ports for 10/100 LAN connection of 3 devices per extender pair
- Ready for 4K UHD content: Extends up to 4096x2160, 60Hz @ 4:2:0 to 100m/328ft



2K	4K UHD
100M	70M



HDMI/VGA HDBaseT Extender with 5Play (4K: 70m/230ft | 1080p: 100m/328ft)

EX-SW-0201-4K

- HDMI/VGA auto-switch in transmitter. HDMI supports 4K UHD input.
- Class A HDBaseT 5Play device: video, audio, 2-way IR and RS-232 control, PoH power, Ethernet
- 2-way PoH enables either end to be powered, removing the need for PSU at the other end



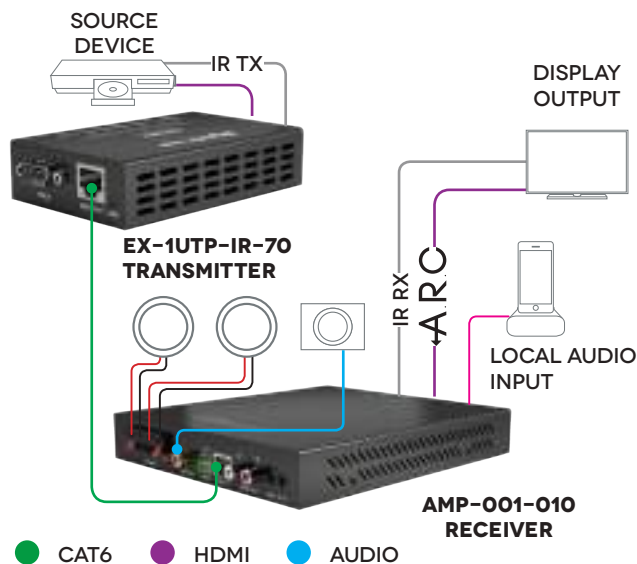
2K	4K UHD
70M	-



HDBaseT Extender Set with Integrated 2.1 Audio Amplifier Kit (1080p: 70m/230ft)

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 using AMP-001-010 – great for sports bar applications



In-Wall Extender Kits



NEW

2K	4K UHD
100M	70M



HDMI/VGA over HDBaseT Auto-Switching 2-Gang Decora In-Wall Transmitter Kit (4K: 70m/230ft | 1080p: 100m/328ft)

TX-SW-IW-0201-KIT

- HDMI/VGA auto-switching wall plate (2-Gang Decora)
- Class A HDBaseT 5Play device: HD video, multichannel audio, Ethernet, control (IR & RS-232), and PoH power over HDBaseT
- Power locally or by PoH from compatible WyreStorm receiver (RX-70-4K)
- Extends video, audio, Ethernet & control up to 4K: 70m/230ft | 1080p: 100m/238ft
- Receives 4K UHD HDBaseT signals up to 70m/230ft from the Wall Plate
- Built-in IR receiver window for easy TV/Projector control.



NEW

2K	4K UHD
100M	70M



HDMI over HDBaseT 2-Gang Decora In-Wall 4K UHD Transmitter Kit (4K: 70m/230ft | 1080p: 100m/328ft)

TX-IW-70-POH-KIT

- Extends 4K UHD video (HDMI only), audio, Ethernet & control up to 4K: 70m/230ft | 1080p: 100m/238ft wall plate (2-Gang Decora)
- Class A HDBaseT 5Play device: HD video, multichannel audio, Ethernet, control (IR & RS-232) and power over HDBaseT
- Power locally or by PoH from compatible WyreStorm receiver (RX-70-4K)
- Receives 4K UHD HDBaseT signals up to 70m/230ft from the Wall Plate
- HDCP 2.2 compliant



HDMI Over SDI

2K	4K UHD
50M	-



HDMI Over SDI Cascading Receiver & Transmitter with 2-Way IR, RS-232 (1080p: 50m/164ft)

TX-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 RS-232 and also EDID management

2K	4K UHD
50M	-



HDMI Over SDI Cascading Receiver & Transmitter with 2-Way IR, RS-232 (1080p: 50m/164ft)

RX-SDI-50

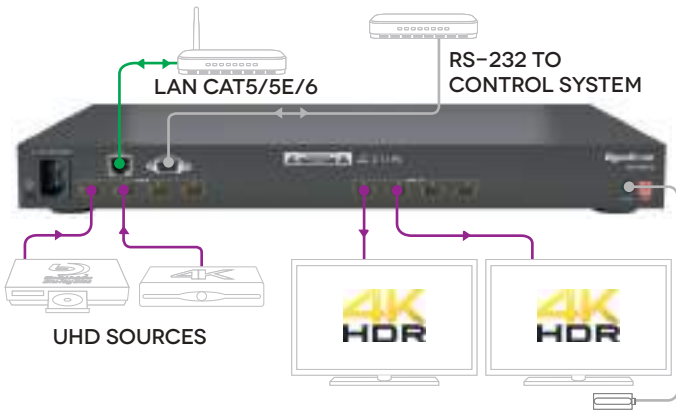
- SDI loop out on receiver means SDI signal can be cascaded up to 7 times – perfect for existing coax applications
- Transmitter and Receiver sold separately – together over coax they can transmit 1080p up to 50m/164ft
- Bidirectional IR and RS-232 and also EDID management

WyreStorm Extenders Comparison

	EX-40-G2	EX-35-H2	EX-70-H2	EX-70-H2X	EX-70-H2X-ARC	EX-SW-0201-4K	EX-100-4K-PRO
							
Audio + Video							
Technology	TMDS over UTP	HDBaseT Class B	HDBaseT Class A	HDBaseT Class A	HDBaseT Class A	HDBaseT Class A	HDBaseT Class C
HDCP	1.x	2.2	2.2	2.2	2.2	1.x	2.2
2K Distance	40m	70m	100m	100m	100m	100m	150m
4K Distance	✗	35m	70m	70m	70m	70m	100m
Max. Resolution	1080p/60	2160p/60 4:2:0 2160p/24 10-bit	2160p/60 4:2:0 2160p/24 10-bit	2160p/60 4:2:0 2160p/24 10-bit	2160p/60 4:2:0 2160p/24 10-bit	2160p/30 4:4:4	2160p/60 4:2:0 2160p/24 10-bit
Digital audio pass-through	✗	✗	✗	✗	✗	✗	✓
Audio Out	✗	✗	✗	✗	✓	✓	✓
ARC	✗	✗	✗	✗	✓	✗	✗
High Dynamic Range	✗	✓	✓	✓	✓	✗	✓
Communication							
Ethernet	✗	✗	✗	✓	✓	✓	✓
USB 2.0	✗	✗	✗	✗	✗	✗	✓
Control							
IR (2-way)	✓	✓	✓	✓	✓	✓	✓
RS-232 (2-way)	✗	✓	✓	✓	✓	✓	✓
Power							
PoH	✗	2-way	2-way	2-way	2-way	2-way	2-way



HDMI Switchers HDMI 2.0 4K



4x4 HDMI to HDMI full 4K UHD Matrix with HDCP 2.2

MX-0404-H2

- 4x4 HDMI to HDMI full 4K UHD matrix with HDCP 2.2
- Supports four 4K UHD 18Gb/s sources to HDMI 2.0 standard
- SmartEDID dynamically detects display/source capabilities to output the highest resolution available
- HDCP 2.2 compliant
- Control via IR, RS-232, LAN or WebUI



6x6 HDMI to HDMI full 4K UHD Matrix with HDCP 2.2

MX-0606-H2

- Supports six 4K UHD 18Gb/s sources to HDMI 2.0 standard
- HDCP 2.2 compliant
- SmartEDID dynamically detects display/source capabilities to output the highest resolution available
- Control via IR, RS-232, LAN or WebUI



HDMI Splitters HDMI 2.0 4K

INPUT	OUTPUT
1	4



1x2 HDMI 4K UHD Splitter

SP-0102-H2

- Easy plug and play setup for splitting one HDMI or DVI source to two displays
- 4K UHD 60Hz compatible with 4:4:4 color palette, HDCP 2.2 compliant & support for HD audio formats
- Super low profile 18mm housing
- Threaded DC power plug, LED power and I/O status indication
- Includes wall mounting brackets for flexible placement



INPUT	OUTPUT
1	4



1x4 HDMI 4K UHD Splitter

SP-0104-H2

- Easy plug and play setup for splitting one HDMI or DVI source to four displays
- 4K UHD 60Hz compatible with 4:4:4 color palette, HDCP 2.2 compliant & support for HD audio formats
- Super low profile 18mm housing
- Threaded DC power plug, LED power and I/O status indication
- Includes wall mounting brackets for flexible placement



INPUT	OUTPUT
1	8



1x8 HDMI 4K UHD Splitter

SP-0108-H2

- Easy plug and play setup for splitting one HDMI or DVI source to eight displays
- 4K UHD 60Hz compatible with 4:4:4 color palette, HDCP 2.2 compliant & support for HD audio formats
- Super low profile 18mm housing
- Threaded DC power plug, LED power and I/O status indication
- Includes wall mounting brackets for flexible placement



4K NEAR OR FAR...



Up Close with HDMI

Support for HDCP 2.2 and 18Gb/s HDMI 2.0 transmission standards enables local distribution of full 4K UHD@60Hz 8-bit 4:4:4 | 4K HDR @24Hz 10-bit 4:2:0 with multichannel audio and 2-way control.

SmartEDID dynamically detects display/source capabilities to output the highest resolution available for combined 2K and 4K installations. CEC is supported for expanded command/control of consumer electronics devices through a single control point.



Far Out with HDBaseT

Featuring ARC for audio breakout from display zones, the HDBaseT 5Play feature set with HDCP 2.2 supports 4K UHD@60Hz 8-bit and HDR @24Hz 10-bit 4:2:0, Dolby Atmos and DTS:X audio, 2-way PoH, 2-way IR/RS-232 and Ethernet single Cat6 cable up to 70m (4K) or 100m (HD).

Also includes mirrored HDMI outputs and SmartEDID to solve potential mixed 2K and 4K resolution issues by detecting maximum display/source capabilities and outputting the highest resolution possible.



AV ESSENTIALS, **MADE SIMPLE**

• Simple Design

• Quality Products

• Reliable Performance

• Plug and Play HDMI Distribution

WyreStorm
Express

INPUT	OUTPUT
1	2

1x2 1080p HDMI 4K UHD Splitter (Compact Version)

EXP-SP-0102-4K

- 4K UHD 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

4K UHD

HDMI

WyreStorm
Express

INPUT	OUTPUT
1	4

1x4 1080p HDMI 4K UHD Splitter (Compact Version)

EXP-SP-0104-4K

- 4K UHD 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

4K UHD

HDMI

WyreStorm
Express

2K	4K UHD
50M	25M

Point to Point HD Video, Audio & Control
(4K: 25m/82ft | 1080p: 50m/163ft)

EXP-EX-HDBT-50

- HDBaseT extension of 4K UHD 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 UHD and/or HD

4K UHD

HDBT

HDMI

WyreStorm
Express

2K	4K UHD
50M	-

Point to Point HDMI Extender over Coax (1080p: 50m/164ft)

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

HDMI

WyreStorm
Express

Audio Converters

Digital to Analog Audio Converter (Coax/Optical Inputs)

EXP-CON-DAC

- 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

HDMI

WyreStorm
Express

Digital to Analog Audio Converter with Dolby Downmix (Coax/Optical Inputs)

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

HDMI

DOLBY DIGITAL

WyreStorm
Express

In-Line Dolby Down Mix Adaptor with Stereo Audio Breakout & Scaling

EXP-CON-4K-DD

- Inline solution for installations including both 4K UHD and HD displays while maintaining integrity of both
- Scales up to 1080/24p 4K UHD @30Hz and scales back 4K UHD 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

4K UHD

HDMI

DOLBY DIGITAL

WyreStorm
Express

Switchers

INPUT	OUTPUT
3	1

3x1 HDMI Switcher with Remote

EXP-SW0301

- Switches 3 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

HDMI

WyreStorm
Express

INPUT	OUTPUT
5	1

5x1 HDMI Switcher with Remote

EXP-SW0501

- Switches 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

HDMI

WyreStorm
Express

INPUT	OUTPUT
4	2

4x2 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

HDMI

WyreStorm
Express

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