

The logo for WyreStorm, featuring the brand name in a bold, green, sans-serif font. The letter 'r' is stylized with a red and white graphic element resembling a lightning bolt or a signal wave.The text 'PRODUCT GUIDE' is written in a large, bold, white, sans-serif font. Below the text is a thick white horizontal line.The year '2026' is written in a large, white, sans-serif font, positioned below the horizontal line.

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# The WyreStorm Difference



### Your Multi-Technology, Cross-Market Specialists

We're a leading manufacturer of award-winning 4K and full HD AV signal distribution and control solutions for Pro AV commercial, residential/custom install and retail markets. Specializing in providing innovative single-platform and hybrid solutions, WyreStorm products are developed to minimize system complexity and connectivity for increased ease of installation and reliability, while offering exceptional performance and functionality for the best value and end-user experience.



### Only Manufacturer Offering Clear, Unbiased Advice

In an industry of bandwagon-jumping, self-promotion and exaggeration, we simply prefer to deal in facts so you'll never find us making a claim about our company or products that isn't technically accurate. We aim to demystify what can be a confusing landscape with clear, impartial advice focused on dealer and end-user satisfaction to ensure the right technology is used and the right application achieved.



### Modular Product Architecture for Ultimate Install Options

Out-of-box doesn't fit all applications - build to your specification. The modular architecture of our matrix switchers and NetworkHD™ AV over IP products enable solutions to be perfectly tailored and effortlessly expanded to applications, no matter the size, budget, function or complexity of the project.



### Six Technology Platforms and Counting

When it comes to AV distribution, we believe there's no such thing as one size fits all. Our multi-platform approach to product design spans HDMI™, HDBaseT™, Fiber, AV over IP and SDVoE™. And with more technologies always on the horizon, we're all about giving the integrator the options they need to provide the best possible solution for their AV project.



### Global Network of Offices, Sales Advisors & Support

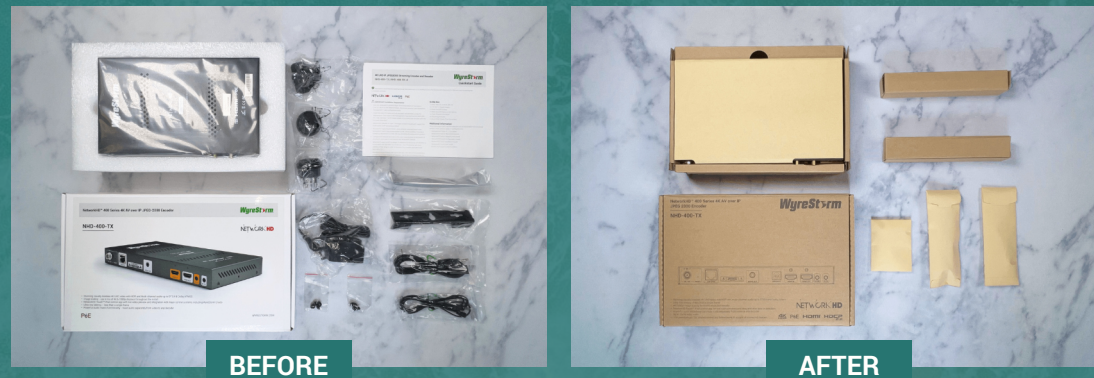
With offices in the US, UK, India and the Middle East, our own R&D and production facilities in Asia, and an ever-growing network of distribution partners throughout the world, WyreStorm is ideally placed as a total solutions provider capable of serving customers wherever they may be.



All WyreStorm Pro AV and Installer Solution products include a 5 Year limited warranty for one of the highest levels of coverage available and ultimate peace of mind.

# WYRESTORM GOES GREEN

We all share one thing in common, and that is this earth. At WyreStorm, we believe in efforts to help save the earth & aim to contribute to a healthier planet, one box at a time. Since 2018, WyreStorm has removed the use of plastics and other harmful substances to our earth whenever possible.



Plastic bags for individual pieces, such as mounting brackets, screws, power cables, and plug adapters, have been repackaged with recyclable paper bags. Furthermore, the plastic bag used to cover the product has been replaced with a paper sleeve. The box itself has also changed, leaving behind a plastic coated box and replacing it with a cardboard version that is fully recyclable. As a result of these changes, WyreStorm has been able to make all of their products fully recyclable.



WyreStorm will be featuring the following graphics on every package that is 100% single use plastics free or use biodegradable plastic packaging.



## WYRESTORM'S MISSION ON GOING GREEN

By replacing plastics with cardboard, implementing Kraft packing materials, and using bagged items made from biodegradable paper, we are happy to share 2/3 of our product packaging is eco-friendly.

By developing eco-friendly packaging, WyreStorm has helped SUP from being produced and ending up in a landfill, as well as water from being used in plastics production. Our ultimate goal is to be 100% Single Use Plastics Free in all packaging.

## HELP US SAVE THE EARTH & DO YOUR PART

Join WyreStorm in Going Green and help recycle our packaging whenever possible. We additionally encourage your participation in conserving water & volunteering for cleanups in your local community.

WyreStorm will be featuring the following graphics on packages that are eco-friendly. For a complete list of eco-friendly packaged products, click the button below.





## OUR COMMITMENT TO YOUR SECURITY

In today's world, the majority of Pro AV devices, whether it be an HDBaseT matrix, presentation switcher, or an AV over IP solution, exist on the network. While it may be easy to connect a device via an ethernet cable to a switch or router, it's critical to understand how that device is capable of being secure. At WyreStorm, we recognize the need to be secure and take it seriously. We want you and your customers to feel confident that when a WyreStorm product exists on a network it will not fall susceptible to malicious activity. Below are protocols that we have implemented on a number of solutions and how they keep WyreStorm devices secure.

### Transport Layer Security (TLS)

Protects and secures API access to devices. A widely adopted security method intended to facilitate private communication between devices on a network.

### SSH (Secure Shell)

Another method to protect and secure API access. Can also be used for secure data transfer over a network such as firmware updates.

### AES Encryption

Is used to encrypt audio and video streams. AES is implemented in hardware & software solutions around the world to protect sensitive data, including the U.S. Government.

### HTTPS

HTTPS uses Transport Layer Security (TLS) to encrypt the data that is shared between a web server and a client device, such as a computer.

### PKI Authentication

Ensures access to a device only from the intended user using digital signatures and certificates for authentication.

# Our Technologies

## NETWORK HD AV OVER IP



- Distribute high bandwidth 4K HDR content within medium-to-large footprint installs
- Ideal for distribution & switching/routing of an infinite amount of sources/displays
- Supports 4K HDR transmissions up to 100m/328ft or 300m/984ft over fiber
- Capable of supporting 4K/60 4:4:4 and HDR content
- Support for video, multichannel audio, RS-232 and bidirectional IR control, remote powering of devices and Ethernet passthrough over a dedicated network
- An ever expanding line of solutions available, tailored to any type of installation
- All Encoders and Decoders powered using PoE from supporting network switch
- Easy display switching and source control with NetworkHD Touch and Companion App



## HDBT™



- Distribute high bandwidth 4K HDR content within medium-to-large footprint installs
- Ideal for centralized distribution & switching/routing of up to 16 sources/displays
- Supports 4K UHD transmissions up to 70m/230ft or 1080p to 100m/328ft
- Capable of supporting 4K/60 4:4:4 and HDR content
- Support for video, multichannel audio, RS-232 and bidirectional IR control, remote powering of devices and Ethernet passthrough over a dedicated network
- Modular, multi-format transmission cards available for matrix switchers
- Easy to install on systems up to a 16x16
- Huge variety of WyreStorm matrix switcher and extender solutions available



## HDMI®



- Still the best method of distributing and switching uncompressed HDMI 2.0 18Gb 4K/60 4:4:4, but limited to small footprint installations
- Provides independent 4K-to-1080p downscaler on each HDMI output
- Seamless matrix options allow instantaneous source switching without the appearance black screen
- Use WyreStorm Hybrid Active Optical HDMI cables to overcome distance
- Limitations and to pass CEC control signals from the matrix



## FIBER



- The future of content delivery - optical cable distributes high bandwidth 4K content point-to-point or part of larger HDMI, HDBaseT or AV over IP distribution
- Uses variable compression to support transmission of 18Gbps HDMI content for 4K/60 4:4:4 and HDR up to 300m/984ft
- Compatible with High Frame Rate HDR at 60Hz available on the latest UHD Blu-ray discs or games consoles
- Developments in cable/module technology means fiber is cheaper and easier to terminate than ever
- Immune to EM and RF interference, for a superior delivery compared to copper in electronically "noisy" environments, such as industrial or retail
- Fiber included on NHD-600-TRXF, NHD-500-TX/RX and EXF-300-H2 extender.



# WHAT IS AV OVER IP?

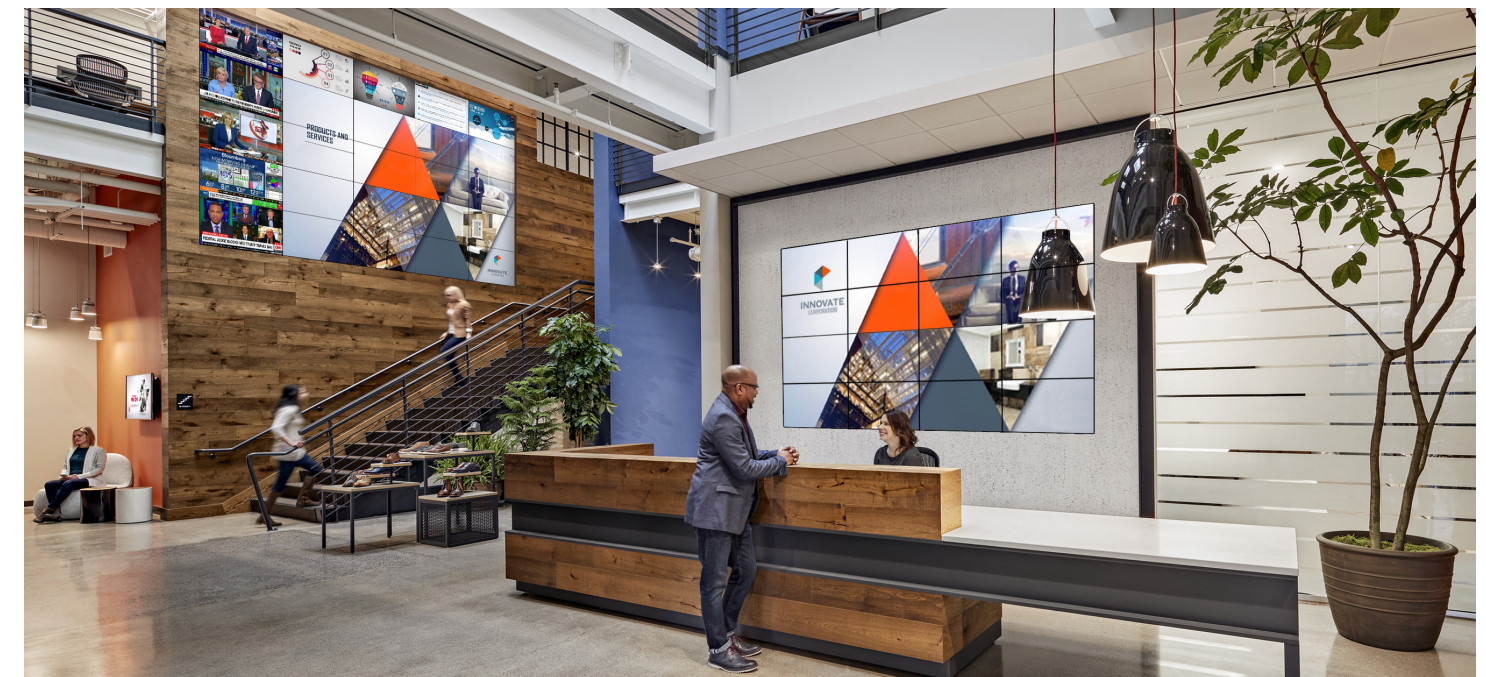
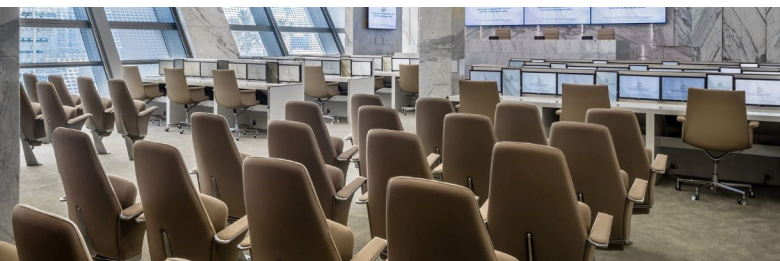
AV over IP (AVoIP) is a method of distributing audio, video, control signals and more over standard IP Networks utilizing a variety of compression technologies to encode and decode transmissions between source and display depending on network demands and desired image quality.

AVoIP was initially used in a variety of ProAV applications due to its low bandwidth characteristics, compatibility with existing network infrastructures and cost efficient scalability for large footprint arrays.

However, AVoIP technology has evolved to include low and zero latency transmissions, seamless switching and lossless video quality supporting 4K UHD, high frame rates, 4:4:4 and HDR to become an increasingly viable alternative to conventional AV transmission over distance technologies for both residential and commercial applications.

## WHAT IS THE RIGHT SOLUTION FOR YOUR INSTALL? WYRESTORM HAS YOU COVERED.

	100 Series	500 Series	600 Series
<b>Max. Resolution</b>	4K UHD	4K UHD/DCI	4K UHD/DCI
<b>Compression Codec</b>	H.264/H.265	JPEG 2000	SDVOE
<b>Max. 4K Timing</b>	30fps 4:2:0	60fps 4:4:4	60fps 4:4:4
<b>Multichannel Audio</b>	✗	✓	✓
<b>Min. Latency</b>	300ms (High Quality Mode) 150ms (Low Latency Mode)	3ms @ 4K 60	Zero Latency (GenLock)
<b>PoE</b>	✓	✓	✓ PoE+
<b>Video Wall</b>	✓	✓	✓
<b>Mosaic Video Walls</b>	✓	✓	✗
<b>Bezel Gap Correction</b>	✓	✓	✓
<b>Image Rotation</b>	✓	✓	✗
<b>Bandwidth Control</b>	✓	✓	✗
<b>CEC</b>	✓	✓	✓
<b>USB</b>	✗	✓	✓
<b>Dolby Vision/HDR</b>	✗	DV 60Hz	DV 60Hz
<b>Fast Switching</b>	✓	✓	✓
<b>Max. Video Wall Size</b>	16x16	16x16	8x8
<b>Multiview</b>	With NHD-150-RX	With NHD-0401-MV	✓
<b>Network Type</b>	1Gb Multicast	1Gb Multicast	10Gb Multicast
<b>Peak Bandwidth</b>	30 Mb/s per TX	850 Mb/s per TX	9Gb/s per TX
<b>Fiber</b>	✗	✓	✓
<b>Dante/AES67</b>	✗	✓ Dante AV-A Ready	✓
<b>Warranty (years)</b>	5	5	5
<b>Drivers</b>	Crestron™, AMX™, RTI™, Control4™, Q-SYS™	Crestron™, AMX™, RTI™, Control4™, Q-SYS™	Crestron™, AMX™, RTI™, Control4™, Q-SYS™



# NETWORKHD™ 600 Series (SDVoE)

Lossless 4K/60 4:4:4 and HDR over 10GbE using SDVoE technology

The NetworkHD™ 600 Series offers the ultimate AV over IP platform for when only the absolute best image quality will do. Supporting highly scalable, secure and fully lossless high bandwidth video content alongside multi-channel audio and a variety of connectivity and control options. The 10GbE system is easily managed in a flexible, unified software environment for the ultimate AV over IP experience for commercial and high-end residential applications.

2160p  
4:4:4 60

## NetworkHD™ 600 Series 4K60 4:4:4 10GbE SDVoE Transceiver

### NHD-600-TRX

- Operates as a transceiver that can encode and decode simultaneously
- Full HDMI 2.0 encoding/decoding up to 4K60 4:4:4 with Dolby Vision/HDR compatibility
- 3x USB 1.1 HID ports for extension of keyboard & mouse applications
- Zero latency A/V transmissions using SDVoE technology
- Native video wall and multiview processing
- Secure communications using AES, SSH and TLS protocols



2160p  
4:4:4 60

## NetworkHD™ 600 Series 4K60 4:4:4 10Gb SDVoE Fiber Transceiver

### NHD-600-TRXF

- Operates as a transceiver that can encode and decode simultaneously
- Fiber transport supporting up to 300m distance using OM3 multimode
- Full HDMI 2.0 encoding/decoding up to 4K60 4:4:4 with Dolby Vision/HDR compatibility
- Native video wall and multiview processing
- Secure communications using AES, SSH and TLS protocols



2160p  
4:4:4 60

## 4K60 (4:4:4) SDVoE Encoder with Zero-Latency Video and PoE+ Power

### NHD-600-E-TX | NHD-600-E-RX

- Pixel-perfect transmissions up to 4K60 4:4:4 8bit with Dolby Vision/HDR compatibility
- Zero latency A/V transmissions



2160p  
4:4:4 60

## NetworkHD™ 4K60 10GbE SDVoE AV over IP Encoder with Dante Audio

### NHD-610-TX v2

- Full HDMI 2.0 encoding up to 4K60 4:4:4 with Dolby Vision/HDR compatibility
- USB HID connectivity for extension of USB peripheral devices.
- 2CH Dante/AES67 audio output



# NETWORKHD™ 500 Series (4K60 HDR)

4K/60 4:4:4 and HDR over 1GbE or Fiber using JPEG 2000 technology

The NetworkHD 500s series offers a full HDMI 2.0 AV over IP solution. The 500 series is capable of encoding up to 4K60 4:4:4 8bit and support for high framerate Dolby Vision, HDR10 and HLG content. Advanced processing features include video walls with bezel correction, incredibly fast matrix switching, and ultra-low latency distribution. The 500 series also include support for ARC for residential applications along with high-speed USB routing for commercial installs. The best part is that all of this is achieved over a 1GbE network.

2160p  
4:4:4 60



## NetworkHD™ 4K60 4:4:4 JPEG 2000 AV over IP Encoder and Decoder

### NHD-500-TX v2 | NHD-500-RX v2

- Full HDMI 2.0 encoding/decoding up to 4K60 4:4:4 with Dolby Vision/HDR compatibility
- Dante AV-A available on both Encoder and Decoder. (license required)
- Flexible output supports either Ethernet or Fiber connections (300m w/ OM3 fiber)
- USB connectivity for extension and routing of USB peripheral devices
- ARC (Audio Return Channel) capable for distributing audio from smart TVs
- NHD-500-RX decoder capable of 16x16 video wall processing, including mosaic
- Secure communications using AES, SSH and TLS protocols



2160p  
4:4:4 60



## NetworkHD™ 500 Series Lite 4K60 4:4:4 AV over IP Encoder and Decoder

### NHD-500-E-TX | NHD-500-E-RX

- Supports encoding and decoding of full HDMI 2.0 content up to 4K60 4:4:4 8bit
- Dante AV-A available on both Encoder and Decoder. (license required)
- Compatible with Dolby Vision, HDR10 & HLG content up to 60Hz
- Essential connectivity for streamlined audio and video distribution
- Video wall processing up to a 16x16 with bezel adjustments
- Balanced audio de-embed for connecting external audio systems



## NetworkHD™ 500 Series 4K60 4:4:4 JPEG2000 In-Wall Encoder

### NHD-500-IW-TX v2

- Supports full 4K60 4:4:4 8bit or RGB content
- 2-Gang US style in-wall form factor
- HDMI and USB-C Switchable inputs
- USB extension and routing for USB devices
- Dedicated stereo input for connecting external audio devices



## NetworkHD™ 500 Series 4K60 4:4:4 JPEG 2000 Encoder with Dante/AES67 Audio

### NHD-500-DNT-TX

- Supports encoding full HDMI 2.0 content up to 4K60 4:4:4 8bit
- Compatible with Dolby Vision, HDR10 & HLG up to 60Hz
- Integrated Dante/AES67 2CH audio output
- Dedicated Dante LAN port for easy connection to separate Dante network
- USB extension and routing for connecting peripherals USB components



## NetworkHD™ 500 Series 4K60 4:4:4 JPEG2000 Encoder with USB-C port

### NHD-510-TX

- Supports full HDMI 2.0 content up to 4K60 4:4:4 8bit
- USB-C input for BYOD supporting video, data, and charging capabilities.
- Compatible with Dolby Vision, HDR10 & HLG up to 60Hz
- 2 Ethernet & Fiber connectivity for flexible installation
- USB extension and routing for seamless integration for KVM applications
- Analog audio de-embed for easy connection to external audio DSP or amplifier • 2x2 audio channels DANTE AV-A (license required)

# NETWORKHD™ 100 Series (4K30)

Low bandwidth HD over 1GbE with video-wall and multiview processing using compression technology

The NetworkHD™ 100 Series utilizes low bandwidth, infinitely scalable technology with the addition of powerful video wall support up to 16x16 for the best all-round solution for commercial AV installations. A 100 Series encoder can either be paired with a 100 Series decoder for matrix switching to individual screens or for video wall decoding, with both decoders including HDMI and analog audio breakout outputs, or an NHD-150-RX decoder for multiview monitoring.



## NetworkHD™ 100 Series 4K30 4:2:0 Encoder & Decoder

### NHD-120-TX | NHD-120-RX

- Low bandwidth 4K @ 30Hz encoding
- Dual encoding options using low bandwidth technology
- Instant matrix switching with no freeze frames
- NHD-110-RX supports video wall processing up to 16x16
- Secure communications using AES, SSH and TLS protocols



## NetworkHD™ 1080p HD Low Bandwidth AV over IP Encoder and Decoder

### NHD-120-RX-S

- Treated with Sealoc's proprietary protection where the sensitive electronics are shielded from weather, adverse elements, and corrosive environments
- Powerful video wall processing supporting standard video wall configurations
- Image scaling ensures compatibility with mixed resolution displays
- Analog audio de-embed for easy connection to external audio DSP or amplifier



## NDI® to NetworkHD Gateway

### NHD-128-NDI-TRX

- Auto discovery of all NetworkHD endpoints
- Powerful web-based UI for intuitive control & management
- Isolated AV and control LAN ports for seamless integration into any network
- LED screen for access to system info
- 7 steps wizard for easy configuration
- Compact chassis for installation into NHD-000-RACK4



## USB 2.0 Over IP Transceiver

### NHD-USB-TRX

- Transmits USB2.0 data over IP with support for one-to-one and one-to-many connections
- Built-in local and remote USB hub for easy device connectivity
- Quickly switch between transmitter and receiver modes using a DIP switch
- Fully compatible with the NHD-500 series for extended USB device functionality



## NetworkHD Pro Controller

### NHD-CTL-PRO v2

- Auto discovery of all NetworkHD endpoints
- Powerful web-based UI for intuitive control & management
- Isolated AV and control LAN ports for seamless integration into any network
- LED screen for access to system info
- 7 steps wizard for easy configuration
- Compact chassis for installation into NHD-000-RACK4



## 4-Input 4K60 Multiview Processor for NetworkHD

### MV-0401-PRO

- 4-Inputs supporting 4K60 source content
- Multiview processing up to 4 inputs simultaneously
- Works seamlessly with NetworkHD 400 & 500 series
- Can be used as a standalone multiview processor
- Compatible with NetworkHD Touch



## NetworkHD™ 100 Series 4K AV over IP Quad Encoder

### NHD-124-TX

- Quad encoder helps reduce amount of separate components
- Combines all four inputs into a single ethernet output
- Low bandwidth 4K @ 30Hz encoding
- Interoperable with NHD-120-TX/RX
- Secure communications using AES, SSH and TLS protocols



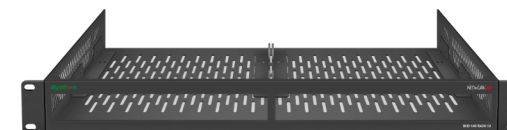
## NetworkHD™ 100 Series 4K60 4:2:0 MultiView Processor

### NHD-150-RX

- Multiview processor supports up to 9 unique windows
- Fully customizable multiview layouts
- 4K output scaling
- Interoperable with NHD-120-TX and NHD-124-TX
- Secure communications using AES, SSH and TLS protocols



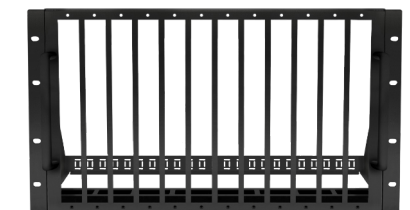
# RACK MOUNTING SOLUTIONS: 2 OPTIONS FOR MOUNTING NETWORKHD AND PRO AV DEVICES



## 1U/2 Slot Rack Mount for NetworkHD™ NHD-124-TX

### NHD-124-RACK-1U

- Designed to support two NHD-124-TX quad encoders
- 1U height and shallow depth for small footprint installation
- NHD-124-TX encoders can be mounting front or rear facing to suit cable management designs
- Ensures proper thermal dissipation of NetworkHD components



## 6U/12 Slot Rack Mount for all NetworkHD Encoders

### NHD-000-RACK4

- Supports all NetworkHD series encoders
- Ensures proper thermal dissipation of NetworkHD components
- All-steel design offers solid, secure, and professional installation
- Removable rear lacing bar provide easy cable management
- Detachable front-facing handles improves rack maneuverability



## NetworkHD™ 100 Series 4K In-Wall Encoder

### NHD-120-IW-TX

- 2-Gang US style in-wall form factor, PoE power
- Seamless video switching – no black screens or freeze frames
- Transmits AV streams up to 4K 30Hz
- Analog audio de-embed for easy connection to external audio DSP or amplifier
- Ethernet port on the front panel provides a stable network connection to connected devices without the need for extra wiring pulled from the switch, ensuring a hassle-free setup

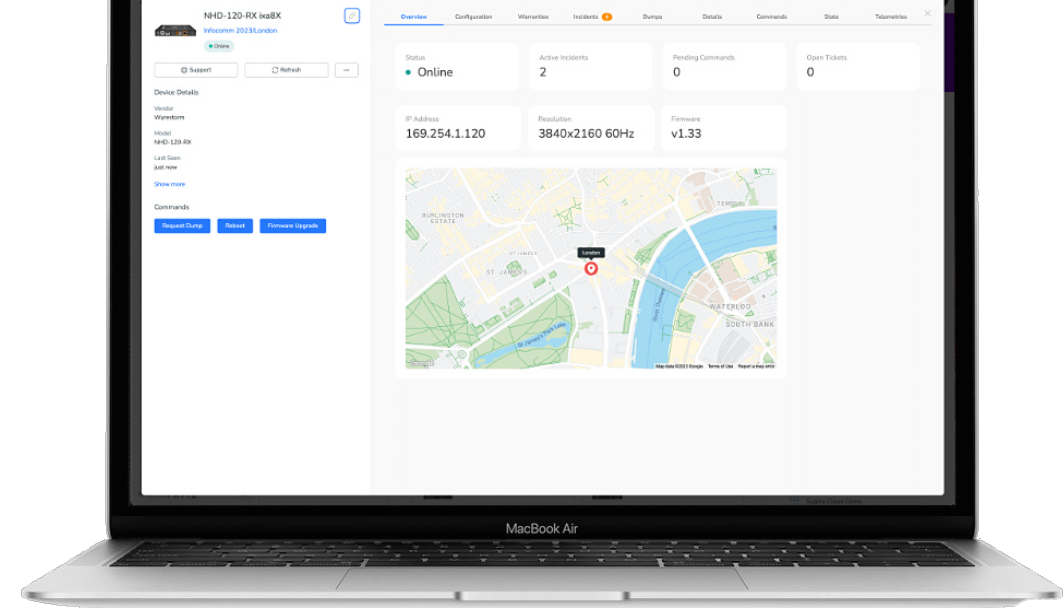
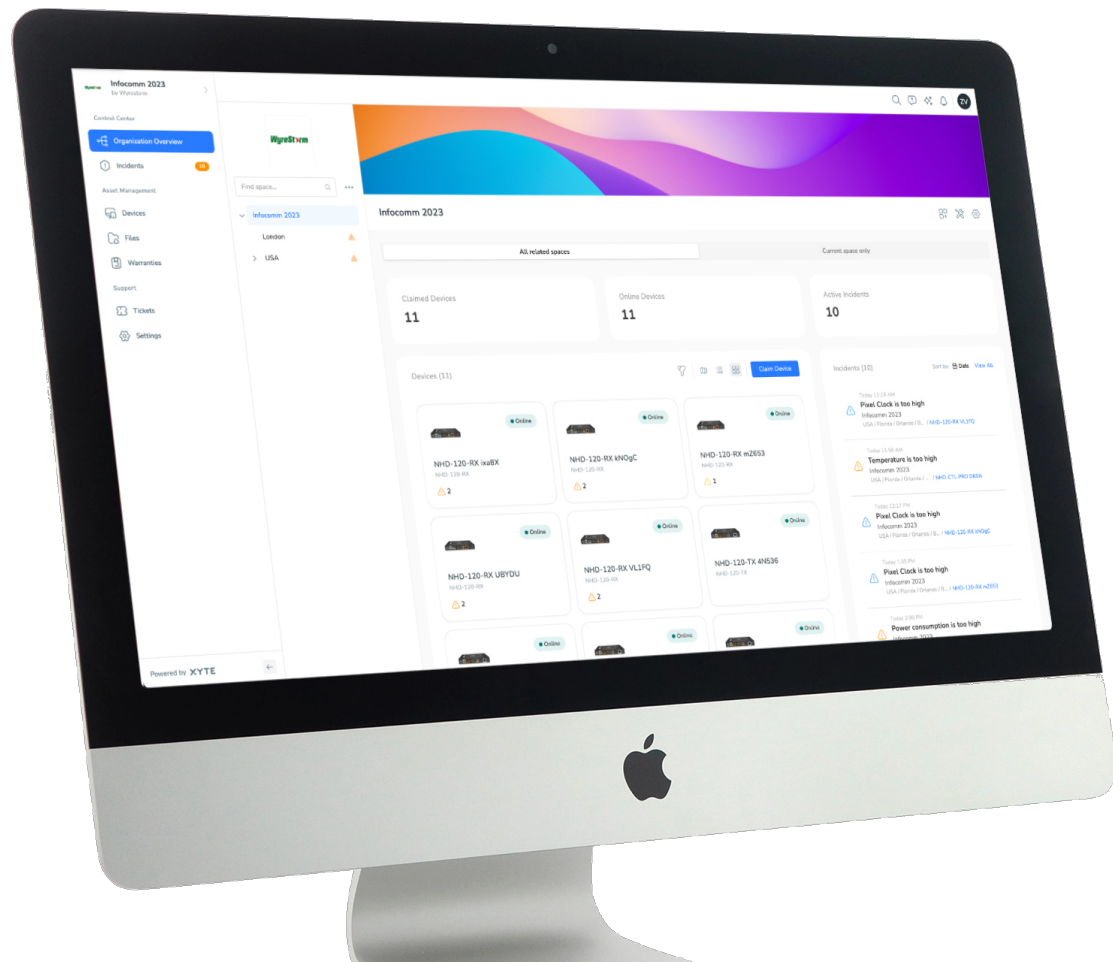




# WYRESTORM'S FREE CLOUD DEVICE MANAGEMENT

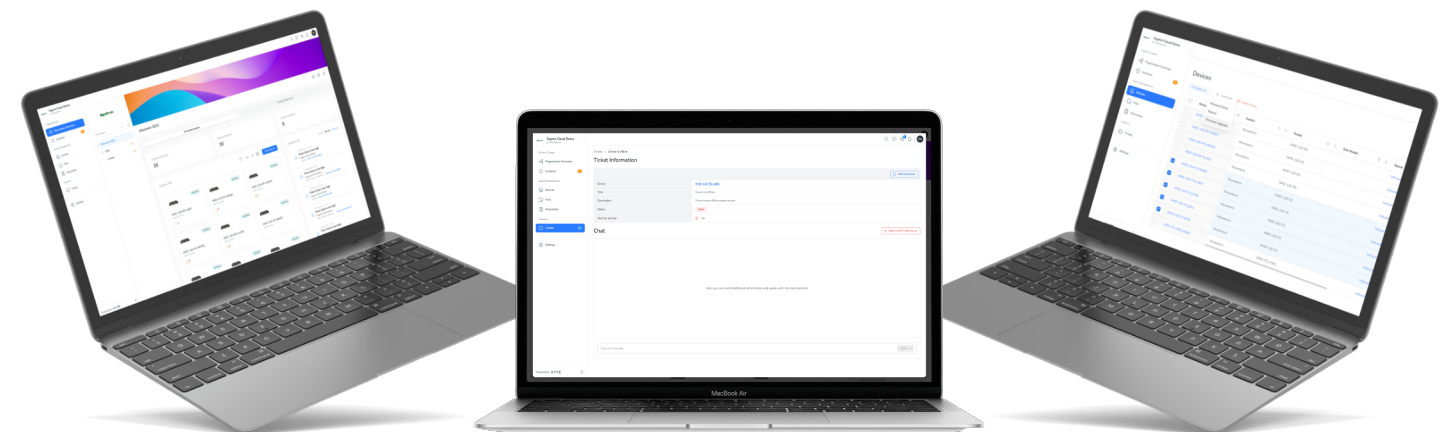
Syigma Cloud Device Management is an advanced online platform that empowers users to effortlessly monitor their devices from anywhere in the world.

With a comprehensive suite of features, it enables seamless device control, firmware updates, and access to online support, all in one centralized location.



## STAY CONNECTED, EVERYWHERE

Stay connected to your devices at all times, no matter where you are. Syigma Cloud Device Management allows you to remotely monitor the status, performance, and health of your devices in real-time. Instantly identify any issues or anomalies and take immediate action.



## FIRMWARE UPDATES. SIMPLE

Keep devices up to date with the latest enhancements and security patches. Syigma simplifies the firmware update process, allowing you to remotely update multiple devices simultaneously, saving time and effort.

## 24/7 ONLINE SUPPORT

Access dedicated online support directly through the platform. Submit and track support requests, communicate with technical experts, and receive timely assistance to resolve any issues or queries you may have.

## EFFORTLESS DEVICE CONTROL

Whether it's adjusting settings, activating features, or initiating commands, the platform provides intuitive controls to ensure your devices are performing optimally and meeting your specific requirements.

## INSTANT ASSISTANCE AT YOUR FINGERTIPS

Experience seamless and real-time support with our Syigma Cloud platform's online support feature. Connect directly with our technical experts through live chat, enabling instant assistance and resolution of any questions, issues, or inquiries you may have, ensuring a smooth and uninterrupted user experience.

## GLOBAL PROJECT MAP

Direct access to 24/7 dedicated online support through the Syigma platform. Submit tickets and track all of your support requests, communicate directly with our technical experts, and receive timely assistance to resolve any issues or queries you may have, such as setting up the software or linking the platform to your installation.

## AUTOMATIC EMAIL NOTIFICATIONS

Rest assured that you'll be promptly notified of any issues with our Syigma Cloud platform through automatic email notifications. Be instantly informed of any potential problems or critical updates, allowing you to take immediate action and ensure the continuous and optimal performance of your monitored devices.

# NETWORKHD TOUCH

## FREE, POWERFUL AND SIMPLE CONTROL SOLUTIONS FOR NETWORKHD AV OVER IP

A revolution in touchscreen control, the award-winning free NetworkHD Touch App for iPad puts entire NetworkHD™ 100, 200, 400, and 500 Series AV over IP systems at your fingertips for single screen, video wall and MultiView applications.

An app like no other, NetworkHD Touch is made for iPad with no training required and zero learning curve for users to negotiate. The result is an unrivaled user experience and effortless AV control using a device and gestures users already know, making it ideal for applications as varied as hospitality, retail, exhibition, residential and more.

**MATRIX SWITCHING, VIDEO WALLS & MULTIVIEW**  
**BEST AV CONTROL SOLUTION... PERIOD**  
**MULTI-ZONE DEMONSTRATION MODE**  
**3RD-PARTY CONTROL INTEGRATION**

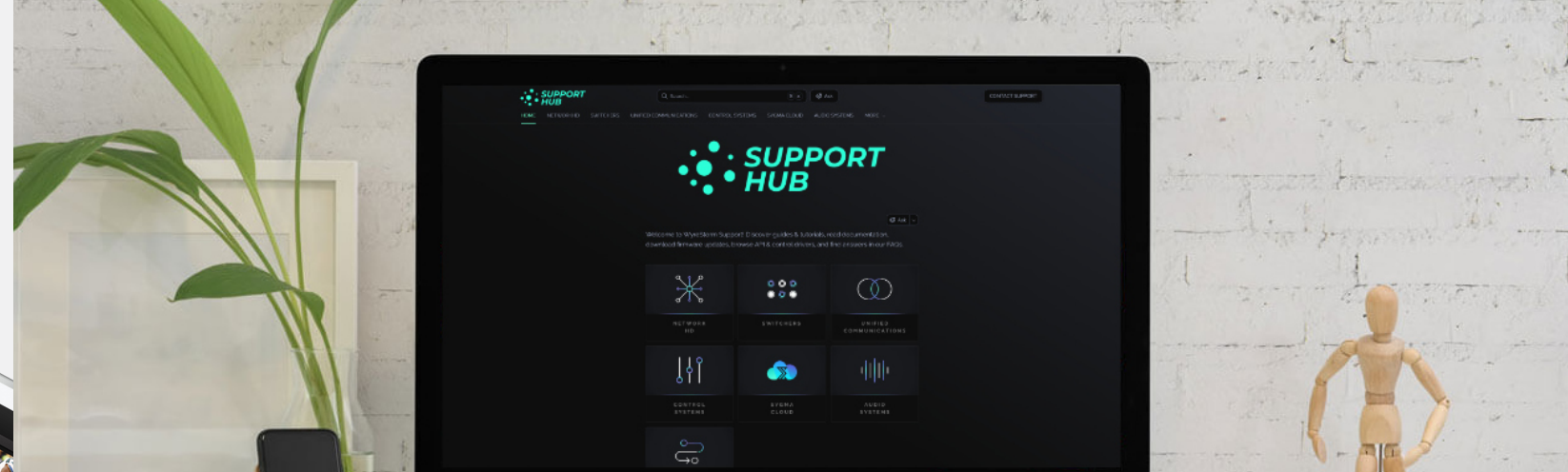


# COMPANION

## SIMPLE CONTROL APPLICATION FOR CONNECTED SOURCES

Companion Control provides additional capability to a NetworkHD system by working seamlessly with NetworkHD hardware and the NetworkHD Touch app. Companion adds the ability to control source devices by leveraging already existing hardware and the NetworkHD API.

The app offers an incredibly quick and intuitive experience driven by a wizard-guided setup. Preloaded control commands for the industry's most common source devices such as DirecTV, SKY, Apple TV, Roku and more are available with a modern user interface that is built automatically.



# SUPPORT HUB

## AV SUPPORT AT YOUR FINGERTIPS

Discover guides & tutorials, read documentation, download firmware updates, browse API & control drivers, and find answers in our FAQs.

### Instant Access to Resources

Explore product manuals, firmware updates, troubleshooting guides, and more, all at your fingertips.

### Expert Assistance

From setup tips to technical support, our knowledge base ensures you have the answers you need, when you need them.

### Easy Navigation

Whether you're an installer, integrator, or end-user, finding the right support has never been easier.





# UNIFIED COMMUNICATIONS

The benefits of video conferencing are clear and it's now more accessible than ever before. However, with the emergence of so many new digital collaboration tools, covering both software & hardware, working out what systems will best suit your company in order to unify all of your communications can be a daunting task, even for the most experienced AV/IT professional. WyreStorm provides a solution for today's demanding meeting spaces, whether that's a small huddle space, large corporate boardroom or classroom.

## APOLLO

The Apollo series are designed for anything from small huddle spaces to large conference rooms. Built with ease of use in mind, for successful meetings.

This all-in-one conference solution makes it possible to collaborate effortlessly with team members and have that successful conference call experience.

## FOCUS

The Focus range of webcams are designed with a premium wide-angle lens, advanced CMOS sensors, and wide dynamic range (WDR) technology.

Depending on the model, Focus webcams can seamlessly stream 1080p or 4K distortion-less images to your computer for crystal clear video calls.

## HALO

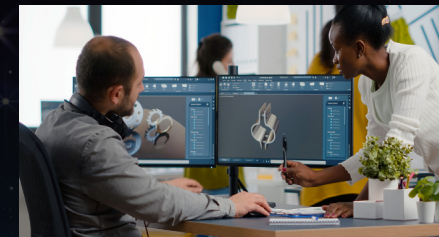
The outstanding audio quality of the Halo range of speakerphones can ensure everyone is heard during conference calls, making your meeting more efficient.

Coming in three different models, all include 4 built-in mics arranged in a 360° array, allowing for a clear and natural omni-directionally voice pick-up pattern within 16ft or 5m.



### CONNECTING PEOPLE

As technology continues to evolve, we've entered an era where work is no longer refined to a specific desk, phone, or computer screen. Professionals have the freedom to share their skills and pursue new opportunities across the globe, all with nothing but the right device, and a cloud connection.



### SCREEN SHARING & ANNOTATIONS

Screen sharing adds an entirely new element to online meetings. Instead of emailing over a copy of that PowerPoint to every attendee, or dropping a file in the web client hoping they'll all open and follow along on the right page, users can control their presentation on their own desktop with screen sharing.



### ACCESSIBILITY & EASE OF USE

Providing a consistent cross-platform end-user experience, where everyone is using the same applications on their desktops, laptops and mobile devices; it enables users to easily collaborate in real time wherever they are. Unified Communications is always available, so ad-hoc meetings are never a problem.



### AVAILABILITY & COST EFFECTIVENESS

UC consolidates overlapping communications services. Businesses may spend a lot of money on various conferencing services. Deploying a single platform for communications enables organizations to consolidate multiple services that IT, or end users themselves, may have deployed, cutting down on ongoing fees.



### Halo Series All In One Video Bar

#### HALO-VX10 v2

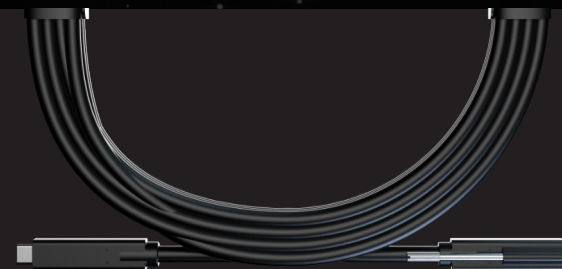
- 120° Wide-Angle 4K Camera Captures Crystal Clear Video
- Wide Dynamic Range with AI Enhanced Lighting
- Supports up to 90 FPS High Framerate Video Capture
- 4-Microphone Array with Echo Cancellation & Auto Gain Control
- Supports up to 3 HALO-COM-MIC extension microphones
- 3.5mm analog audio output for connecting external speakers



### Apollo Series Conference Video Bar & Switcher

#### APO-VX20-UC v2

- 8x MEMS mic array with echo cancellation & noise suppression
- 2x 8-watt speaker providing crystal clear audio delivery
- 4K camera with 120° FOV, 5x digital zoom and AI backlighting
- Camera capable of Auto Framing, Speaker/Presenter Tracking and Individuals Gallery
- HDMI & native USB-C with 60w charging supports 4K30 4:4:4 8bit content
- Supports wireless casting via Miracast and Apple AirPlay and APO-DG2
- Supports APO-SKY-MIC for expanded pickup range
- Supports APO-SKY-MIC for expanded pickup range
- Dual 4K HDMI outputs for two displays and can show different source
- Supports multiview with dual windows when single output connection



### USB-C to C 10Gbps Active Optical Cable

#### CAB-USBC-15

- Extends USB signals up to 15m (50ft)
- USB 3.2 Gen 2 spec support up to 10Gbps data transfers
- Backwards compatible with USB 2.0
- Supports 60W power to charge connected USB-C devices



### USB 3.2 Active Optical Extension Cable

#### CAB-UAOC-15

- Extends USB signals up to 15 meters (50ft)
- USB Type A male to Type A female connectors allows compatibility with USB devices
- Supports USB 3.2 Gen 2 spec allowing up to 10Gbps bandwidth
- Maximum power carry of 5v 900mA to remotely power USB devices.
- Compatible with USB 3.0 hubs to allow connection of multiple USB devices
- Plenum, FT6 & CPR safety ratings for installation in air plenums, ducts, walls, conduits, ceilings, or anywhere else a fire rating is required



### Add-On Microphone for Apollo Video Bar

#### APO-COM-MIC

- 360° omni-directional microphone array with echo cancellation
- Can be cascaded up to three times for maximum room coverage
- 2-way communication with mute toggle and LED feedback



### Add-On Microphone for Halo Video Bar

#### HALO-COM-MIC

- Can be cascaded up to 3 times for expanded mic pick-up range
- Supports AEC, AGC & noise suppression
- Beam-forming microphone array
- Small & compact design with a minimal footprint
- Convenient mute toggle button for microphone



### 4-Port USB 3.0 Superspeed Hub

#### USB-HUB4

- 4 x USB 3.0 device ports for connecting peripheral devices
- High-speed data transfer rates up to USB Superspeed 5Gbps
- Professional design allows for mounting under a table or behind a display
- Fully backwards compatible with USB 2.0 devices
- USB 3.0 sharing 4.5A current, single port max. 1.5A; Min. 900mA for each port
- Simple plug and play design with no drivers required



### USB to Ethernet Extender for Apollo Add-On Mic

#### APO-MIC-EXT

- Supports up to 60m(197ft) extension using Cat6 or higher cabling
- Powers via USB; does not require external power supply
- Small footprint makes installing behind a display or under a table a breeze



### Companion Add-on Ceiling Mic for Apollo Video Bar

#### APO-SKY-MIC

- 4x MEMS Circular mic array for an omnidirectional pick-up pattern
- Features AEC (Auto Echo Cancellation), background noise reduction and automatic gain control
- Ceiling mount included



### Professional USB Speakerphone for Seamless Collaboration

#### HALO-80

- Connect up to 9 Units in daisy chain for wider room coverage
- 360° Voice Pickup with 4-mic array and advanced noise cancellation
- Plug & Play USB-C + USB-A for universal compatibility with laptops and PCs
- Full Duplex Audio with echo cancellation for natural conversations





# OUR INNOVATION. YOUR COLLABORATION.

The IDB series in-desk connectivity products are simple to use solutions for corporate or education applications. Easy to install into a desk or table, they offer the essential connectivity for your meeting, lecture, or classroom. Featuring flip-top lids to protect and help blend into the desk when not in use. The NA models include a North American Type B mains outlet and the MS models include a multi-standard outlet for the UK and other European countries.



### Flip Up In-Desk Connectivity with Power (North America and Multi-Standard Mains)

**IDB-400-NA | IDB-400-MS | IDB-400-MS-C | IDB-400-EU-C**

- Multiple connection options including: 1x Mains, USB Charging, 2 x HDMI, USB-C and RJ-45 passthrough
- HDMI and USB-C connections support up to 4K UHD video passthrough
- 2x USB Type A charging ports for connecting mobile devices such as smartphones or tablets
- Spring-loaded flip up design allows you to simply push on the lid to expose the ports
- Optional Weiland to UK & Schuko 2 meter cables available for 'MS' models (IDB-PWR-UK & IDB-PWR-SCH)

### Compact In-Desk Connectivity with Power (North America and Multi-Standard Mains)

**IDB-200-NA | IDB-200-MS**

- Multiple connection options including: 1x Mains, USB Charging, HDMI & USB-C Passthrough
- HDMI and USB-C support up to 4K UHD video passthrough
- 2x USB Type A charging ports for connecting mobile devices such as smartphones or tablets
- Compact design allows for discrete installation into any desk or table
- Flip-top lid for protection of ports and discrete appearance when not in use
- Optional Weiland to UK & Schuko 2-meter cables available for 'MS' models (IDB-PWR-UK & IDB-PWR-SCH)



### Under-desk Cable Management 'Spine' with Adjustable Height

**IDB-SPINE**

- Neatly organizes wires under the desk to keep installation tidy
- Adjustable height supporting a maximum 36" desk/table
- Pair with the IDB range of in-desk connectivity solutions



### Retractable In-Desk Box Solution with USB-C, HDMI & USB 3.0, and Intuitive Touch Control Excellence

**IDB-300-BTN**

- Switch between USB-C and HDMI inputs with dual-channel functionality
- Built-in retractable USB-C, HDMI & USB3.0 cables provide a clean, organized workspace.
- Input selection is managed effortlessly with intuitive touch buttons
- A durable cloth sleeve is included to protect and secure the cables

**2.8" Serial Control Color Touchscreen**  
**TS-280-US | TS-280-EU**

- Compact 2.8" backlit color touchscreen available as EU or 2-Gang US models
- Auto power off and wake-on-touch
- Compatible with all WyreStorm presentation switchers/matrices
- Powered directly by compatible switchers or external PSU via power injection box
- User preference configurable
- Easy update via MicroSD

**Synergy™ 10-button Keypad Controller**  
**SYN-KEY10**

- Pair with WyreStorm or 3rd party devices over RS-232 or multiple devices over IP
- Power and deliver commands over single-standard category cable
- Easy-to-use Web UI allows command editing and testing, group creation, and more.
- Part of WyreStorm's Synergy series predesigned templates for your convenience.



**Adapter Ring with USB-C, DisplayPort & Mini DisplayPort to HDMI with Cable Lock**  
**WYRERING**

- 3 HDMI converters included: USB-C, DisplayPort & Mini DisplayPort
- Ideal for small meeting spaces where presentation switchers are not needed
- All converters are capable of transmitting 4K60 video content
- Secure cable lock ensures connections to HDMI cables are there to stay
- Metal reinforced ring provides durable and secure connection to converters
- Metal information tag attached provides model number and information
- Includes crosshead screwdriver for attaching cable lock to HDMI cable

# PRESENTATION SOLUTIONS: DYNAMIC SWITCHING, OUT OF SIGHT & OUT OF MIND

At WyreStorm, we believe that presenting content should be a passive experience; the equipment that you're connecting to should require as little interaction as possible so you can get on with business. We've designed our range of static and extending presentation switches to operate with automatic source switching at the heart of their operation. Additionally, some models now include CEC power triggering which can power a connected screen or projector on or off based on source presence.

It doesn't stop there though; most of the products in the presentation switcher range have the ability to trigger connected projector screens, lifts or blinds via their built-in relays, bringing both a degree of autonomy and cost saving to corporate or education installs. With 4K and HDCP2.2 compatibility thrown in for good measure, these powerful switchers will also handle most modern commercially available content, too.



## WIRELESS CASTING

Wirelessly screenshare from your laptop, phone, or tablet by using Apple Airplay or Miracast. Up to 4 wireless devices can be connected at the same time and shown on connected screens in a picture-in-picture layout.



## MULTIVIEW

Display up to 4 source devices at the same time, creating a supportive environment for collaboration between colleagues and teams.



## DUAL OUTPUT

Dual switching outputs promote connectivity of multi-screen conference rooms. The HDMI outputs can be matrixed independently or mirror content.



## USB

A built-in USB 3.0 hub on the switcher allows local connection of peripheral devices such as a conference speakerphone.

### Wireless Casting

Effortlessly share your screen wirelessly using AirPlay, Miracast, or the APO-DG2. By leveraging the APO-DG2, you can also enable wireless hosting for cameras and touch boards, providing a seamless and versatile solution for collaboration and presentations.

### Multiview

Simultaneously display up to four source devices, fostering a collaborative and dynamic environment for seamless teamwork and interaction among colleagues and teams.

### USB Connectivity

The integrated USB 3.0 hub on the switcher enables seamless local connection of peripheral devices, such as conference speakerphones, enhancing functionality and flexibility in collaborative environments.

### Dual Output

Dual switching outputs enhance connectivity for multi-screen conference rooms. The HDMI outputs can function independently in matrix mode or mirror content, offering flexibility to accommodate various meeting setups and display configurations.



### 4x2 4K Switcher with Wireless Casting & MST Hub SW-640L-TX-W

- 2 HDMI and 2 USB-C inputs supporting alt-mode functions
- USB 3.0 host for HDMI and USB-C with additional 65W charging
- MST support allowing extended display abilities over both outputs
- Supports access and control of USB peripherals over APO-DG2
- 4K Wireless screensharing via Apple Airplay, Miracast, ChromeCast and APO-DG2
- 2 Ethernet interfaces for additional network security
- Mute analog input and Relay output



INPUT	OUTPUT
2	2



### 2-Input 4K Wireless Presentation and Conferencing System with Matrix Outputs, USB 3.0, Multiview MST & Wireless Casting

#### SW-620-TX-W

- 1 HDMI and 1 USB-C inputs supporting alt-mode functions
- USB 3.0 host for HDMI and USB-C with additional 100W charging
- Wireless casting via Apple Airplay, Miracast, and APO-DG2 (Up to 4K30)
- 2 Ethernet interfaces for additional network security
- Multiview up to 2 windows when single display connection
- Supports Multi-Stream Transport over USB-C



INPUT	OUTPUT
4+2	1+1

PAIR TOGETHER TO CREATE A KIT



### 4-Input 4K HDBaseT Switcher with USB

#### SW-510-TX

- 4 inputs: HDMI, VGA, DisplayPort, and USB-C supporting alt-mode functionality
- Supports up to 4K60 4:2:0 video passthrough
- Automatic or manual switching between HDMI, VGA, DisplayPort, and USB-C inputs
- Built-in USB hub for connection of USB peripheral devices
- Automatic or manual CEC triggering for compatible connected screens or projectors



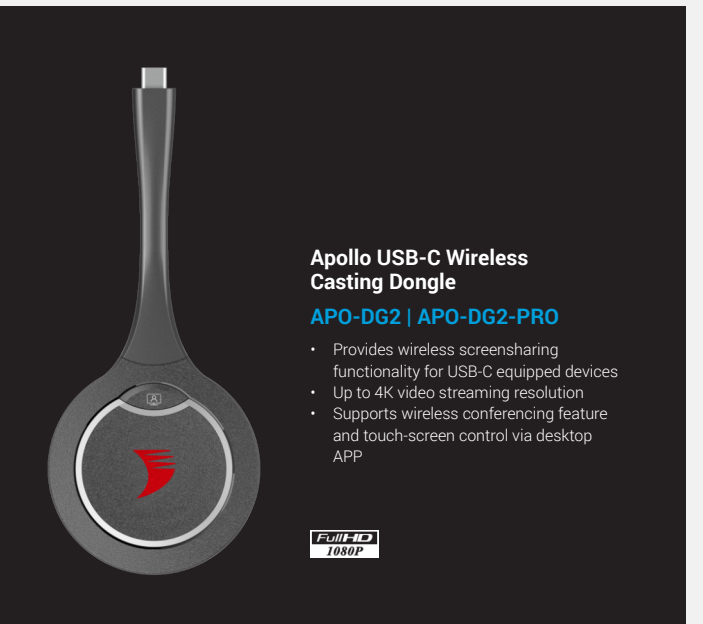
INPUT	OUTPUT
4+2	1+1



### 4K HDBaseT Receiver with USB & Local Inputs

#### SW-515-RX

- HDBaseT receiver supports up to 4K60 4:2:0 content
- 2x condition-based relays for controlling compatible screens or lifts
- Built-in USB hub for connection of USB peripheral devices
- 2x switchable local HDMI inputs for digital signage or room PCs
- Analog audio de-embed for connecting to an external amplifier or DSP



### Apollo USB-C Wireless Casting Dongle

#### APO-DG2 | APO-DG2-PRO

- Provides wireless screensharing functionality for USB-C equipped devices
- Up to 4K video streaming resolution
- Supports wireless conferencing feature and touch-screen control via desktop APP



### 100m USB 3.2 HDBaseT Extender

#### EX-100-USB3

- 4 Port Design
- USB 3.0 (5Gbps)
- 100m Extension
- PoH+





### 100m 4K60 HDBaseT Receiver with USB

#### RX-700

- DSC visually lossless compression enables extension of 4K HDR at 60Hz up to 100m / 328ft
- Supports full bandwidth HDMI up to 18Gbps (4K60 4:4:4)
- HDR10, HLG and Dolby Vision (up to 30Hz) support
- USB 2.0 pass-through for webcams, touch displays, etc. (up to 190Mbps)
- 2-way PoH for single cable install
- IR, RS-232, CEC and Ethernet



### 100m USB 3.2 Single Gang In-Wall HDBT Transmitter and Receiver Kit

#### EX-100-IW-USBC

- Single Gang US Back Box
- Reliable 100m USB 3.2 extension (5Gbps)
- 4-Port Design
- PoH+



### HDMI & USB Single Gang In-Wall HDBaseT Transmitter

#### TX-35-IW-KVM

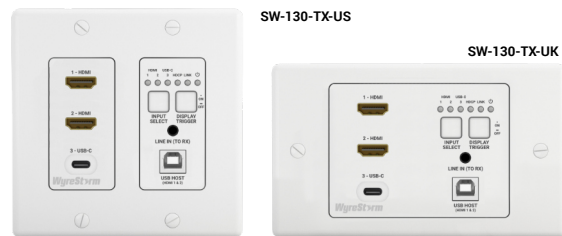
- Single Gang US Back Box
- 35m 4K 60Hz 4:2:0 Transmission over CAT Cable
- USB Transmission of 150Mbps



### USB-C Single Gang In-Wall HDBaseT Transmitter

#### TX-35-IWC-KVM

- Single Gang US Back Box
- Type-C Connector with DP Alt Mode
- 35m 4K 60Hz 4:2:0 Transmission over CAT Cable
- USB Transmission of 150Mbps



### 3-Input In-wall HDBaseT Transmitter

#### SW-130-TX-US | SW-130-TX-UK

- 2 HDMI and USB-C input with alt-mode functionality
- USB host for HDMI inputs for far-end device control
- Local CEC display trigger and source select
- Separate audio input to RX
- USB-C device charging (up to 5v 2A)
- Powered by PoH from RX-500 or Local PSU



### 35m 4K HDBaseT Receiver with USB

#### RX-500

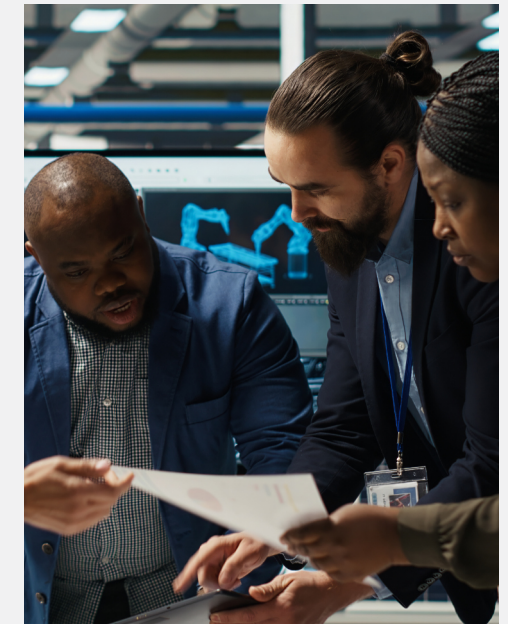
- HDBaseT receiver supports up to 4K60 4:2:0 content
- 4 x USB 2.0 ports for connecting peripheral USB devices
- Analog audio de-embed for connecting an external amplifier or DSP



### Advanced 2 or 4 Channel Dante Amplifier

#### AMP-2120 | AMP-2120-DNT

- 240W flexible power output supporting 2x120W Low-Z (4Ω/8Ω) or 1x240W Hi-Z (70V/100V) speaker systems
- Built-in DSP processing with EQ, gain, mixer, ducking, limiter, compressor, and high/low-pass filters
- Comprehensive analog and digital I/O including Mic/Line inputs, Line outputs, and 2x2-channel Dante/AES67 audio
- Multiple control options via front-panel buttons, RS-232, and LAN control (Web/Telnet)
- Professional protection design with over-temperature, overload, and over-voltage protection
- Broadcast-ready trigger input for seamless integration with paging and automation systems
- Professional protection design with over-temperature, overload, and over-voltage protection
- Broadcast-ready trigger input for seamless integration with paging and automation systems



### HDMI 1-Gang In-wall HDBaseT Transmitter

#### TX-35-IW

- Supports 4K60 4:2:0 content with compatible RX-35-POH receiver
- PoH enables unit to be powered remotely from a compatible HDBaseT receiver
- Additional 12V DC phoenix connection for local power when used with a non-PoH receiver (12v 1a PSU sold separately)
- Built-in front panel IR receiver window and rear facing 3-pin phoenix connection for easy TV/projector control
- Bidirectional RS-232 passthrough via rear facing 3-pin phoenix connection



### 35m 4K HDBaseT Receiver

#### RX-35-POH

- Supports up to 4K60 4:2:0 content with compatible transmitter
- RS-232 and IR passthrough for control of peripheral equipment



### Advanced 2 or 4 Channel Dante Amplifier

#### AMP-260-DNT

- Advanced Dante Network Integration for High-Quality Audio Distribution
- 2 working modes (DC 24V 5A required):  
4x 30watt@4ohm, 4-channel mode  
2x 60watt@4ohm, 2-channel mode
- Dual Power Options: DC and PoE+ for Flexible Installation
- High-Performance DSP for Superior Sound Control
- Daisy-Chaining Capability for Scalable Audio Systems



### 4K HDBaseT™ Receiver (4K: 70m/230ft | 1080p: 100m/328ft)

#### RX-70-4K

- Supports up to 4K60 4:2:0 content with compatible transmitter
- Low-profile 18mm chassis
- Supports video, audio, bidirectional IR/RS-232, PoH and Ethernet





### 4K Multi-Camera Video Bridge with USB, HDMI & NDI Inputs & Outputs

#### CAM-0402-NDI-BRG

- 4K multi-source input (2x USB, 2x HDMI, 4X NDI)
- Up to 4K30 resolution for both input and output
- Fast and seamless switching between multiple source
- USB3.0, HDMI and NDI output with multiview capability
- Extra USB device ports for speakerphone connection
- Flexible control functions with control button, API and Web GUI

Integration with Microsoft Teams app for control, allowing source switching and management directly through Teams.



### 4K Multi-Camera Video Bridge with USB, HDMI Inputs & Outputs

#### CAM-0402-BRG

- 4K multi-source input (2x USB, 2x HDMI)
- Up to 4K30 resolution for both input and output
- Fast and seamless switching between multiple source
- USB3.0, HDMI and NDI output with multiview capability
- Extra USB device ports for speakerphone connection
- Flexible control functions with control button, API and Web GUI

Integration with Microsoft Teams app for control, allowing source switching and management directly through Teams.



### Advanced IP to RS-232/Relay/IR Control Hub

#### SYN-CTL-HUB

- Seamlessly converts IP signals to RS-232, relay, and IR control for versatile device management
- Supports IR, RS-232, and 4 relay ports for robust multi-device control
- Features a contact input for sensor-triggered automation, enhancing integration flexibility
- Powered via PoE, eliminating the need for separate power supplies and simplifying installation
- Seamlessly integrates with the SYN-TOUCH10 for complete and intuitive control



### 4K Dual Lens AI PTZ Camera with 3x Optical Zoom and AI Tracking

#### CAM-420-PTZ

- Dual-lens system with 4K PTZ and panoramic lenses for full-room coverage
- AI-powered features include auto framing, speaker/presenter tracking, and individuals gallery mode
- Outputs video via USB-C (up to 4K@30) and HDMI simultaneously
- Supports NDI output to meet the requirements of different application scenarios
- Built-in 4-mic array enables voice detection for accurate tracking (not used as audio source)
- Plug-and-play with Windows/macOS and works with platforms like Zoom, Teams, and OBS



### 4K UHD Ultra-Wide angle ePTZ Webcam with Integrated Mic

#### FOCUS 200 PRO

- Supports Wide Dynamic Range (WDR) for clear image in any light
- Gesture Control supported
- 106° Wide-angle lens that captures a wide field of view
- AI backlight compensation & low light compensation
- AI noise-cancelling mics, 8x digital zoom, ePTZ
- Supports 4K/30fps, 1080p/60fps & 720p/90fps



### 4x3 Multi-Input Conference Room Switcher with Advanced USB-C Integration & HDBT 3.0 Output

#### MX-0403-H3-MST

- 4 inputs 3 outputs matrix integrates video, audio, USB, control, and Ethernet seamlessly with an added HDBT 3.0 output
- Dual USB-C, dual HDMI, and USB 3.2 inputs come with secure cable lock connections
- The comprehensive USB-C input supports 4K60 video, USB 3.2 data, 60w charging (100w coming soon), and Ethernet bridging
- Four USB 3.2 device ports offer seamless connectivity for conference equipment
- Analog audio de-embedding provides a connection to an external audio system
- Two independent Ethernet ports enable network switching or VLAN configuration



### 4x2 Conference Presentation Switch

#### MX-0402-MST

- Dual USB-C and dual HDMI + USB 3.2 inputs
- Cable lock connections
- Full featured USB-C input supports 4K video, USB 3.2 data, ethernet and 60W charging
- Auto switching and Manual switching
- 4 x USB 3.2 for peripheral devices
- Balanced audio de-embedding
- GPIO ports for connecting "Show Me" buttons
- USB to Ethernet bridge
- Dual independent RJ45 ports for ethernet switching or VLAN settings



### 1080p60 PTZ Camera with USB 3.0, HDMI Out, Auto Framing & Presenter Tracking

#### CAM-210-NDI-PTZ

- Compatible with Skype, Teams, Zoom and more
- 1/2.7inch, 2.07M CMOS sensor captures 1080p HD video
- 12x optical and 16x digital zoom
- 72.5-degree wide angle lens for capturing the entire room
- Transmit 1080p HD video simultaneously via USB 3.0, network connection, and NDI
- HDMI Output for connection to video recorder
- Dual video output via USB 3.0 or network connection
- Network output supports HTTP, RTSP, RTMP & Multicast



### 1080p@60Hz PTZ Conference Camera with USB 3.0, HDMI & Network Output

#### CAM-210-PTZ

- Compatible with popular meeting software such as Skype, Teams, Zoom and more
- 1/2.7inch, 2.07M CMOS sensor captures 1080p HD video
- 12x optical and 16x digital zoom
- 72.5-degree wide angle lens for capturing the entire room
- HDMI Output for connection to video recorder
- Dual video output via USB 3.0 or network connection
- Network output supports HTTP, RTSP, RTMP & Multicast



# PRESENTATION BUNDLE KITS

Our presentation bundle kits have been specifically designed to make your installs easier. By providing you with simple solutions, you can take these and build simple, easy to use installs but most importantly, spend less time putting them together.

## In-Wall Presentation Kit with Control

[SYN-KIT-130-US](#) | [SYN-KIT-130-EU](#)



### 2.8" Serial Control Color Touchscreen

[TS-280-US](#) | [TS-280-EU](#)

- Compact 2.8" backlit color touchscreen available as EU or 2-Gang US models
- Auto power off and wake-on-touch
- Compatible with all WyreStorm presentation switchers/matrices
- Powered directly by compatible switchers or external PSU via power injection box
- User preference configurable
- Easy update via MicroSD

### 3-Input In-wall HDBaseT Transmitter

[SW-130-TX-US](#) | [SW-130-TX-UK](#)

- 2 HDMI and USB-C input with alt-mode functionality
- USB host for HDMI inputs for far-end device control
- Local CEC display trigger and source select
- Separate audio input to RX
- USB-C device charging (up to 5V 2A)
- Powered by PoH from RX-500 or local PSU

### 35m 4K HDBaseT Receiver with USB

[RX-500](#)

- HDBaseT receiver supports up to 4K60 4:2:0 content
- 4 x USB 2.0 ports for connecting peripheral USB devices
- Analog audio de-embed for connecting an external amplifier or DSP

## In-Wall Presentation Kit with Control

[SYN-KIT-510-US](#) | [SYN-KIT-510-EU](#)



### 2.8" Serial Control Color Touchscreen

[TS-280-US](#) | [TS-280-EU](#)

- Compact 2.8" backlit color touchscreen available as EU or 2-Gang US models
- Auto power off and wake-on-touch
- Compatible with all WyreStorm presentation switchers/matrices
- Powered directly by compatible switchers or external PSU via power injection box
- User preference configurable
- Easy update via MicroSD

### 4-Input 4K HDBaseT Switcher with USB

[SW-510-TX](#)

- 4 inputs: HDMI, VGA, DisplayPort, and USB-C supporting alt-mode functionality
- Supports up to 4K60 4:2:0 video passthrough
- Automatic or manual switching between HDMI, VGA, DisplayPort, and USB-C inputs
- Built-in USB hub for connection of USB peripheral devices
- Automatic or manual CEC triggering for compatible connected screens or projectors

### 4K HDBaseT Receiver with USB & Local Inputs

[SW-515-RX](#)

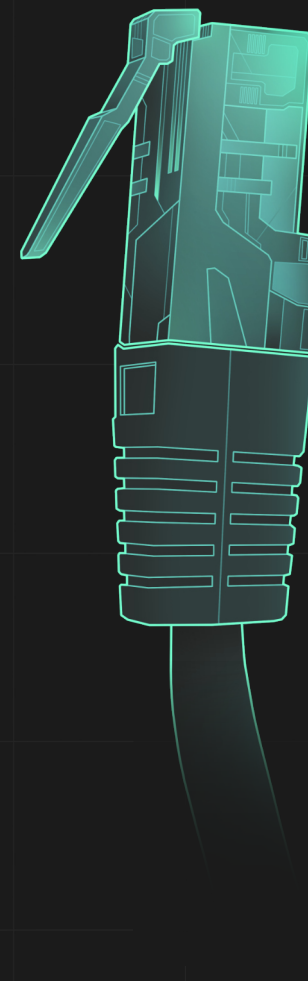
- HDBaseT receiver supports up to 4K60 4:2:0 content
- 2x condition-based relays for controlling compatible screens or lifts
- Built-in USB hub for connection of USB peripheral devices
- 2x switchable local HDMI inputs for digital signage or room PCs
- Analog audio de-embed for connecting to an external amplifier or DSP

# WyreStorm<sup>®</sup> ACADEMY

## LEARN AV THE RIGHT WAY

**Train Smarter. Certify Faster.**

*Structured online training designed to build knowledge, test progress, and lead to certification.*



### YOUR JOURNEY

#### Watch Lessons

##### Build your knowledge step by step

*Start with the fundamentals and progress through clear, structured lessons designed to make AV concepts easier to understand and apply in real-world environments.*

#### Pass Tests

##### Track what you've learned

*Reinforce each lesson with quizzes that help measure progress, strengthen understanding, and keep learning focused as you move through the course.*

#### Get Certified

##### Turn learning into recognition

*Earn certification as you complete your training and open the door to more advanced online and in-person learning opportunities.*

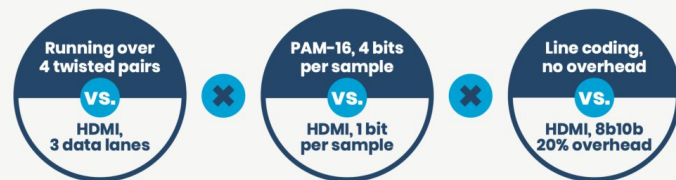




# HDBASET 3: The Only Fully Uncompressed Solution on the Market

HDBaseT 3.0 enables the convergence and long-distance distribution of ultra-high speed uncompressed HDMI 2.0 audio & video, 1Gb Ethernet, USB 2.0, controls, and power, with zero latency – all over a single Category cable.

**HOW DOES IT WORK?**



2160p  
4:4:4 60



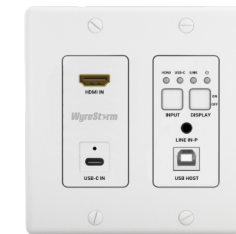
**Synergy™ 2-Input 4K60Hz HDBaseT™ 3.0 Switching In-Wall Transmitter with USB-C and HDMI**

**SW-120-TX3-UK**

- High-speed USB 2.0 pass-through of up to 300Mbps
- HDBaseT 3.0 in-wall transmitter supporting uncompressed
- 18Gbps bandwidth up to 100m/330ft
- HDCP 2.3 content compatible
- Supports USB-C source charging of up to 60W (with 20V 6A PSU)
- Unit switches automatically upon source detection or via manually over API or button press
- Compatible with RX3-100, MX-1007-HYB



2160p  
4:4:4 60



**Synergy™ 2-Input 4K60Hz HDBaseT™ 3.0 Switching In-Wall Transmitter with USB-C and HDMI**

**SW-120-TX3-US**

- High-speed USB 2.0 pass-through of up to 300Mbps
- HDBaseT 3.0 in-wall transmitter supporting uncompressed
- 18Gbps bandwidth up to 100m/330ft
- HDCP 2.3 content compatible
- Supports USB-C source charging of up to 60W (with 20V 6A PSU)
- Unit switches automatically upon source detection or via manually over API or button press
- Compatible with RX3-100, MX-1007-HYB



2160p  
4:4:4 60



**Synergy™ 2-Input 4K60Hz HDBaseT™ 3.0 Switching Transmitter with USB-C and HDMI USB 2.0**

**SW-120-TX3**

- HDBaseT 3.0 transmitter supporting uncompressed 18Gbps bandwidth up to 100m/330ft
- Supports USB-C source charging of up to 60W (with 20V 6A PSU)
- Unit switches automatically upon source detection or via manually over API or button press
- Compatible with RX3-100, MX-1007-HYB



2160p  
4:4:4 60



**4K60Hz HDBaseT 3.0 Receiver PoH USB 2.0 | Audio De-Embed RS-232 Passthrough**

**RX3-100**

- HDCP 2.3 content compatible
- High-Speed USB 2.0 pass-through of up to 300Mbps
- HDBaseT 3.0 inwall transmitter supporting uncompressed
- 18Gbps bandwidth up to 100m/330ft
- Compatible with SW-120-TX3, SW-120-TX3-UK/US, MX-1007-HYB



## WHAT IS THE HDBASET ALLIANCE?

Since its introduction in 2010, HDBaseT has revolutionized the video distribution sector. It brings a rich feature set, increased reach, and better performance than existing solutions. The cornerstone of the technology is 5Play, the converged and simultaneous delivery of uncompressed ultra-high-definition digital video and audio, Ethernet, USB, control signals and power over a single cable.

Today, HDBaseT is optimized for different markets, addressing the specific needs of such sectors as audiovisual, automotive, industrial PCs, consumer electronics and more. The common denominator in all these sectors is the need to distribute high-quality signals over the best, lowest-cost infrastructure, for the longest distance possible. HDBaseT delivers quality of experience, eliminating cable clutter and without compromising performance and high quality.

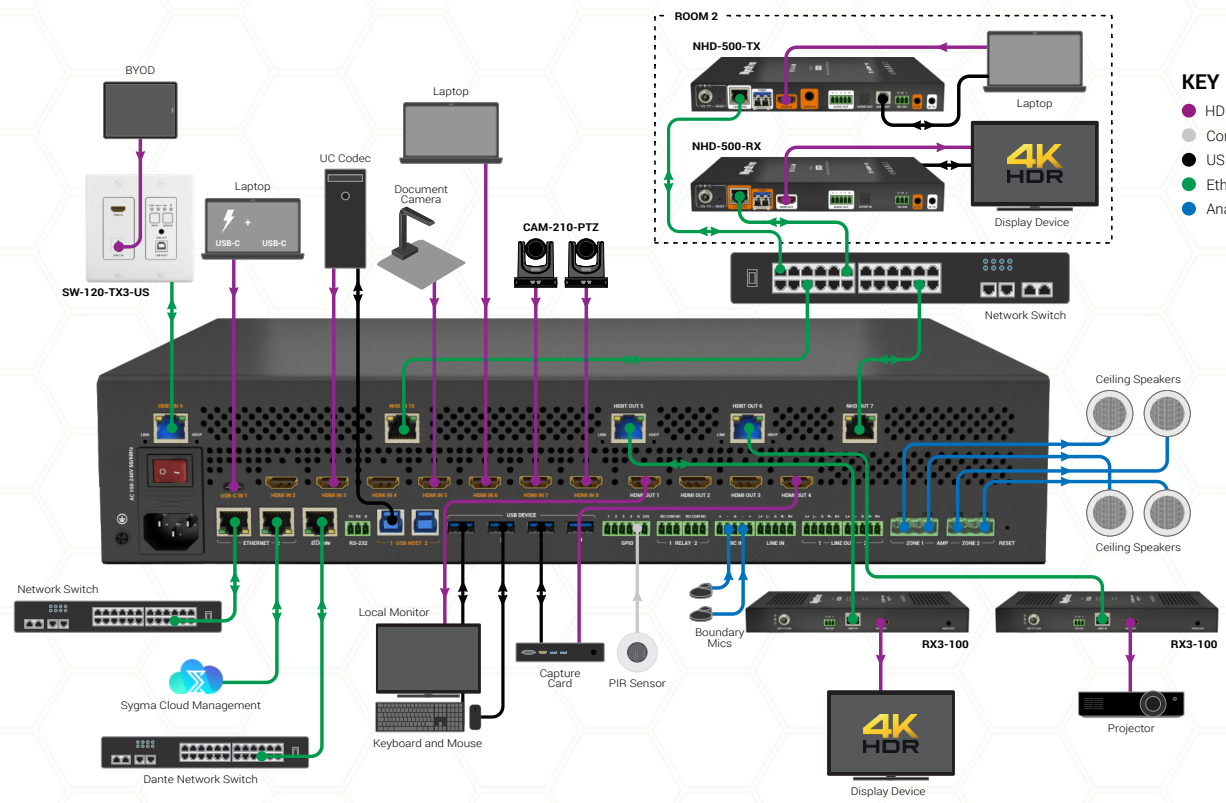


# INTRODUCING EDUCATION MATRICES

## AV FOR A SMARTER FUTURE IN HIGHER EDUCATION

- Versatile Input Compatibility**  
 A wide range of inputs, including USB-C; HDMI; HDBaseT; AV over IP; Audio and Microphone, makes it compatible with devices used in Education.
- Dynamic Content Switching**  
 Lecturers can easily switch between different inputs, without the need for a complex setup, allowing for dynamic and engaging presentations.
- Reliable and High-Quality Outputs**  
 4K resolution ensures sharp, clear video for presentations. It's also compatible with various audio formats, creating an fully immersive experience.

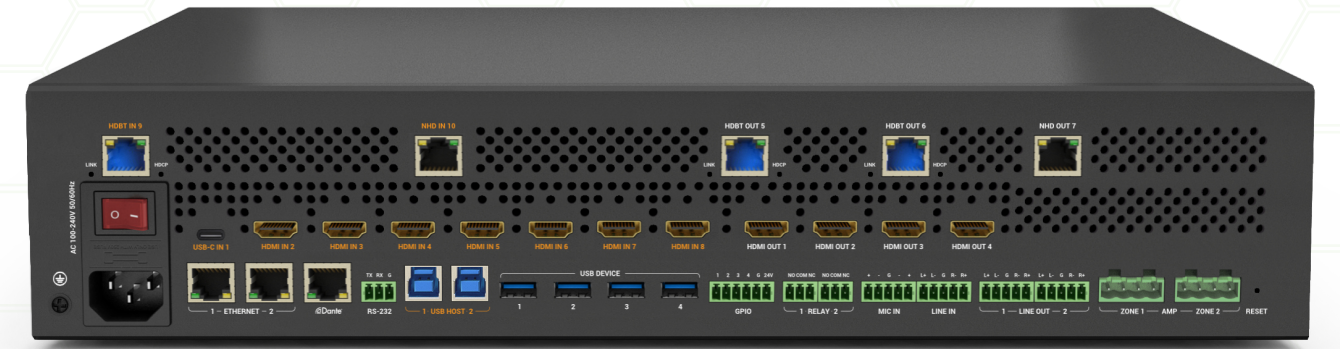
- Enhanced Collaboration**  
 HDMI and HDBaseT outputs facilitate collaboration, enabling content sharing on different screens simultaneously, fostering student engagement.
- Scalable Audio and Video Distribution**  
 The switcher can distribute both audio and video signals to multiple destinations, ensuring every corner of the room receives high quality content.
- Seamless Presentations**  
 An integrated amplifier enhances audio quality, creating a more immersive learning experience, while audio and microphone inputs cater to the needs of presenters and educators, making sure their voices are clearly heard.



- 8x4 Multi-Input Matrix  
MX-0804-EDC**
- Multi-format video connections include USB-C and HDMI
  - Fast up to 1 second switching across all video inputs and outputs
  - 480p to 2160p scaling built-in all video outputs
  - USB-C input supports 4K60 video, USB3.0/USB2.0, 1G network, and PD3.0 USB host charging up to 60watts
  - Supports USB host switching and device extension
  - Switching USB hosts include 1x USB-C port, 2x local USB3.0 USB-B ports input related USB connection.
  - USB devices include 4x local USB3.0 USB-A ports related USB connections
  - Supports 2x MIC inputs, 1x LINE input, Dante 4x4 optional and 2x 5-pin balanced audio outputs
  - Supports audio DSP, include gain control, mixer, ducking, mute etc
  - GPIO and Relay support for automation of screens, occupancy etc.



- 10x7 Multi-Input Hybrid Matrix  
MX-1007-HYB**
- Multi-format video connections include USB-C, HDMI, HDBaseT and NetworkHD (500 Series)
  - NetworkHD input and output supports spill-over applications
  - Fast up to 1 second switching across all video outputs
  - 480p to 2160p scaling built-in all video outputs
  - USB-C input supports 4K60 video, USB3.0 & USB2.0, 1G network, and PD3.0 USB host charging up to 60watts
  - All HDBaseT outputs support HDBaseT 3.0 specification, which includes uncompressed A/V, RS-232, USB2.0 up to 300Mbps and PoE+ PSE transmission
  - NetworkHD input and output supports a 4K60 scaler, and seamless switching of A/V, USB2.0 and RS-232 control signals up to 330ft/100m over a single CAT6a cable or longer via 1G network switch
  - Local HDMI outputs support up to a 2x2 videowall
  - Multiview supported over both HDMI and HDBaseT output 1 and 2
  - Supports USB host switching and device extension
  - Switching USB hosts include 1x USB-C port, 2x local USB3.0 USB-B ports, 1x NHD input, 1x HDBT input related USB connection.
  - USB devices include 4x local USB3.0 USB-A ports, 1x NHD output, 2x HDBT outputs related USB connections.
  - Supports 2x MIC inputs, 1x LINE input, Dante 4x4 optional and 2x 5-pin balanced audio outputs
  - 4-channel 4/8ohm speaker outputs
  - GPIO and Relay support for automation of screens, occupancy etc.
  - Three separate audio mixers for analog, digital, and video de-embed
  - HDCP 2.3 compliant and backward compatible for secure content transmission
  - Supports HDR formats including HDR10, HDR10+, HLG, and Dolby Vision Low Latency
  - EDID management for efficient control and customization of connected displays



# 4K60 HDBASET SWITCHERS: 4 OPTIONS FOR 4K HDR DISTRIBUTION OVER HDBASET

WyreStorm is proud to present a new range of matrix switchers specifically tailored to meet the increased demands of today's source content. Offering 18Gbps HDMI transmission by pairing HDBaseT with WyreStorm's powerful lossless "VLC" compression algorithm, the MXV range uses a light compress/decompress technique to maintain signal integrity, leaving behind competing compression methods such as Color Space Compression which permanently remove color data.

Shared features of the 6 models crucially include the ability to handle both 4K/60 HDR and 8-bit 4:4:4 content to all zones and have assignable audio breakouts for each HDBaseT zone or source; most models also feature mirrored HDMI outputs to feed additional screens. With ease of installation at their heart, the powerful range of MXV matrices ensure just that and offer new innovative features such as the ability to switch any zone "off" using AV Mute and standby mode which can put the unit into a low power state when not in use, cutting power consumption by up to 34%.

2160p  
4:4:4 **60**

## SIGNAL INTEGRITY FROM SOURCE TO DISPLAY

Fact: Not all signal compression is the same. The MXV range can transmit 18Gbps HDMI content over conventional HDBaseT. We achieve this using our VLC (Variable Lossless Compression) technology which adds light compression at the point of transmission and re-builds the signal at the receiver without any visual degradation or artefacting.



## DE-EMBEDDED AUDIO

With audio functionality to match its video capability, the MXV range has the ability to extract the audio signals from a source device or from an output, following the zone. Having S/PDIF connectivity means having the flexibility to send multi-channel 5.1 audio to local AVR's or downmix to stereo using the EXP-CON-DAC-D.

**CEC**

## CEC AND RS-232 ROUTING

Specific to the version 3 model, the MXV 8x8 gives users many options to power displays on and off. These options include RS-232 routing to discreet zones, as well as using automatic, API and custom generated triggered CEC commands.



## MIRRORED HDMI OUTPUTS

In addition to the HDBaseT zone outputs, most models in the MXV range also feature HDMI output ports which mirror HDBaseT zones 1-4. They can be paired with any of WyreStorm's HAOC hybrid optical HDMI cables for transmission up to 50m/164ft or any extender for transmission over HDBaseT to 100m/328ft or even OM3 fiber up to 300m/984ft.

### Extensive EDID Management

Via the embedded WebUI, an installer has access to full EDID management offering read, copy, store & import functions and even assign a different EDID to each connected source device.

### CEC Triggering

Working automatically on signal presence or triggered via the API, the MXV range can send custom defined power trigger commands to all compatible connected screens or projectors meaning an integrated autonomous control solution.



### Powerful Input Connectivity

HDMI Inputs and HDMI outputs support bandwidths of up to 18Gbps with content at RGB/4:4:4 or chroma-sampled up to 4:2:2 12-bit. Inputs are compatible with DVI-I and DP++ v1.3 signals from compatible source devices.

### A/V Mute Function Cuts Output Feeds

A useful feature across many applications, the A/V mute function is another switching option meaning a source doesn't have to be selected. It enables the matrix to stop sending the signal to an output with a simple API command.



2160p  
4:4:4 **60**



### 35m 4K60 HDBaseT™ Receiver for MXV

#### RXV-35-4K

- HDBaseT receiver supports up to 4K60 4:4:4 content
- Supports transmission of Video, multichannel audio and bidirectional control
- Supports HDMI2.0 video standard up to 18Gbp
- Powered remotely via PoH from MXV matrix



INPUT	OUTPUT
8	8+4

2160p  
4:4:4 **60**



### 4K60 8x8 HDBaseT Matrix Kit with Receivers

#### MXV-0808-H2A-KIT

- Visually lossless compression for 4K60 HDR up to 35m / 115ft
- 18Gbps support across 8 HDBaseT outputs + 4 mirrored HDMI outputs
- HDR10, HLG, Dolby Vision support
- Includes 6 standard + 2 scaling receivers (good for mixed 4K / 1080p installs)
- S/PDIF audio de-embed with independent routing
- IR, RS-232 and CEC control (API + triggers)



2160p  
4:4:4 **60**



### Scaling 35m 4K60 HDBaseT Receiver for MXV

#### RXV-35-SCL

- HDBaseT receiver supports up to 4K60 4:4:4 content
- Scales 4K source content to 1080p for non-UHD displays
- Supports transmission of Video, multichannel audio and bidirectional control
- Stereo and S/PDIF de-embedded audio



# SEAMLESS MATRICES: 2 MODULAR CARD OPTIONS FOR DISTRIBUTION OVER HDMI OR HDBASET

WyreStorm's seamless matrices are designed to deliver smooth switching experience and reliability for professional AV installations. Built with advanced technology, these matrices offer ultra-fast switching and seamless signal management to ensure rapid transitions between sources, making them ideal for environments where uninterrupted performance is critical. Whether it's a corporate boardroom, an educational facility, or a high-end hospitality setup, our seamless matrices provide crystal-clear video and multi-channel audio distribution across a wide range of devices and resolutions, including 4K and HDR content.

What sets WyreStorm's seamless matrices apart is their flexibility and scalability, enabling easy integration with existing AV systems while maintaining exceptional performance. With sophisticated features such as EDID management, customizable control options, and robust compatibility with industry-leading control systems, our matrices empower integrators to create tailored solutions for any application. Backed by WyreStorm's dedication to quality and support, our seamless matrices ensure a flawless AV experience every time.

2160p  
4:4:4 60

## SEAMLESS FAST SWITCHING

Up to 4K60 across all video inputs and outputs with less than 50ms delay. Provides a smooth, instantaneous transition between video sources without any noticeable lag or interruption. Enhancing the viewer experience in professional and entertainment settings, ensuring high-quality presentations and displays without disruptions.



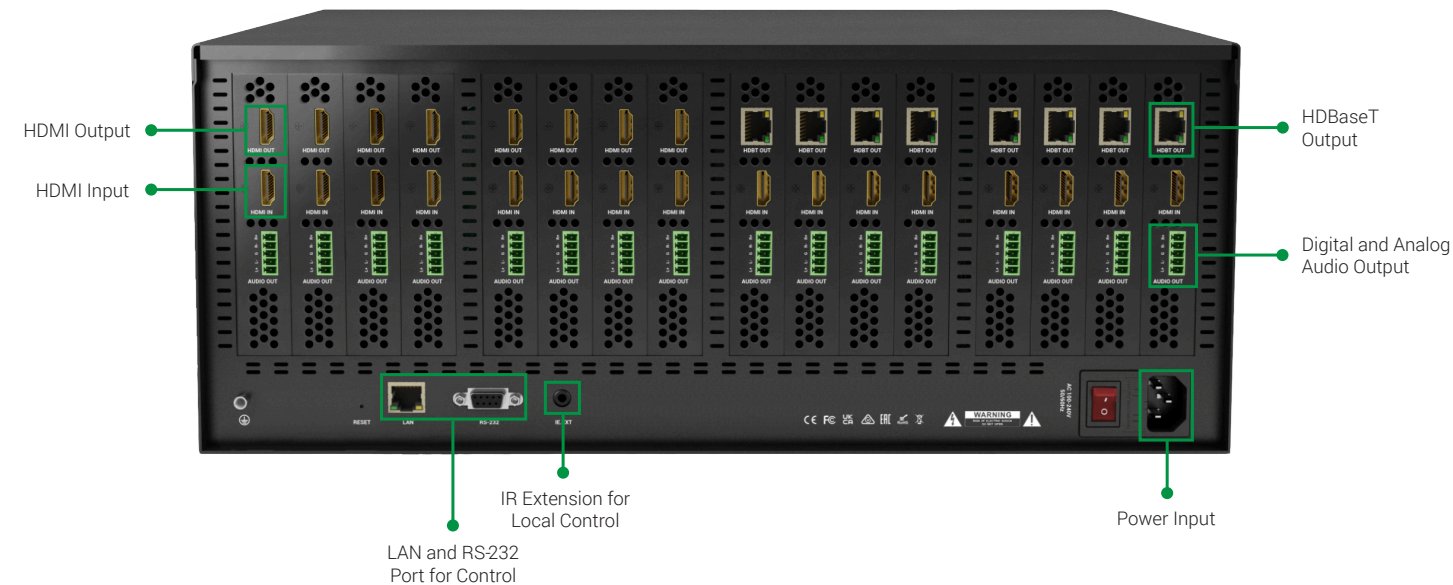
## AUTOMATIC I/O DETECTION

Features like automatic video input and output detection, and built-in scalers on each output, enable the matrix to deliver high-quality video tailored to the resolution of each connected display, ensuring the best possible image quality across all screens.



## POWERFUL AUDIO CONNECTIVITY

With support for de-embedded audio from HDMI inputs to balanced output ports, this feature enables precise audio routing completely independent of video signals. This flexibility allows for the creation of customized audio experiences tailored to the unique needs of your space.



INPUT	OUTPUT
4	4

2160p  
4:4:4 60



### 4K60 4x4 HDMI Matrix with Seamless Switching, Scaling Outputs with Balanced Analog & Digital Audio De-embed

#### MX-0404-SCL

- Full 18Gbps support including up to 4K HDR 4:4:4/60
- Seamless switching between all four HDMI inputs and outputs
- Automatic full-range scaling on each output between 480i to 4K60
- Independent switching of both balanced analog and digital audio outputs

INPUT	OUTPUT
8	8

2160p  
4:4:4 60



### 8x8 4K60 Seamless Scaling HDMI Matrix with USB-C Support

#### MX-0808-SCL

- Features integrated 4K60 scaler on each HDMI output for versatile display compatibility
- Enables fast, seamless switching across all inputs and outputs without a black screen
- Supports comprehensive connectivity including USB-C with 4K60 video, network access, and PD3.0 charging
- Includes 4 analog audio outputs, enhancing connectivity for audio distribution and integration with external audio systems

INPUT	OUTPUT
16	16

2160p  
4:4:4 60



### 4K60 4x4 HDMI Matrix with Seamless Switching, Scaling Outputs with Balanced Analog & Digital Audio De-embed

#### MX-1616-SCL

- Integrated 4K60 scaler on HDMI outputs for versatile display compatibility
- Enables fast, seamless switching across all inputs and outputs
- Supports both HDMI and HDBT for long distance transmission
- Includes balanced Audio De-embed of all inputs
- Independent Audio Switching
- RS-232 Routing



### 4K HDBaseT™ Receiver (4K: 70m/230ft | 1080p: 100m/328ft)

#### RX-70-4K

- Supports up to 4K60 4:2:0 content with compatible transmitter
- Low-profile 18mm chassis
- Supports video, audio, bidirectional IR/RS-232, PoH and Ethernet



INPUT	OUTPUT
8	8+4

2160p  
4:4:4 **60**



**70m 4K60 8x8 HDBaseT Matrix**

**MXV-0808-H2A-70**

- 70 meter (230ft) version supporting up to 4K60 4:4:4 content up to 8+4 zones
- S/PDIF Toslink Audio matrix outputs with mute
- A/V mute function cuts signal to any output on demand
- Automatic or API triggered and custom CEC powers compatible connected displays
- Routable RS232 routing to discreet Zones

**CHDBT™ PoH** **Dolby Vision** **CEC**



2160p  
4:4:4 **60**

**70m 4K60 HDBaseT™ Receiver for MXV**

**RXV-70-4K-G2**

- HDBaseT receiver supports up to 4K60 4:4:4 content
- Supports transmission of Video, multichannel audio and bidirectional control
- Supports HDMI2.0 video standard up to 18Gbps
- Powered remotely via PoH from MXV matrix

**CHDBT™ PoH** **Dolby Vision**



**WyreStorm**

**WyreStorm Product Line Receiver Compatibility Chart**

# Make Sure You Get the Full Package.

A little confused about what Matrix Switcher or Presentation product pairs with what Receiver? WyreStorm is here to help! We have put together an in-depth, easy to understand compatibility chart that helps you to create the perfect AV solution for any installation.

See all of the possible Receiver and HDBaseT Matrix Switcher/Presentation product combinations available.

Visit [wyrestorm.com](http://wyrestorm.com) to download.



## CASE STUDIES

These case studies are great examples of how we help our customers get the best out of their AV systems, from small residential homes to large scale commercials applications.

VISIT [WYRESTORM.COM](http://WYRESTORM.COM)



# 4K60 HDMI SWITCHERS: PERFECT HDMI MATRIX SOLUTIONS FOR NEXT-GEN A/V EXPERIENCES

Compact and fully-featured, the MX-H2A matrix supports 18Gbps throughput to the full video capability of HDMI 2.0; it handles distribution of 4:4:4/60 and HDR, supporting the latest broadcast standards and next generation source content. Further features include assignable audio de-embed ports allowing audio signals up to 5.1 to be extracted from the source or from a zone output.

Always looking for important differentiators, WyreStorm has added additional useful functions such as A/V mute, to stop a signal being sent to a zone and given an autonomous edge by adding CEC power triggering for compatible connected screens. With 18Gbps transmission and native HDMI communication in mind, the MX-H2A range are the perfect match for WyreStorm's range of hybrid optical HDMI cables.

2160p  
4:4:4 60

## HDMI 2.0 MAXED OUT!

Sporting an 18Gbps HDMI backplane, the MX-H2A range can support all UHD video signals up to and including 2160p 4:4:4/60, and high frame-rate HDR 12bit 4:2:2 up to 60Hz, along with multichannel audio up to DTS:X and Dolby Atmos.



## DE-EMBEDDED AUDIO

With audio functionality to match its video capability, the MX-H2A range has the ability to extract audio signals either from source devices or at the HDMI output, following the zone. Having S/PDIF and analog connectivity means having the flexibility to use multi-channel 5.1 or stereo audio signals.

CEC

## CEC TRIGGERING

Working automatically on source signal presence or triggered via the API, the MX-H2A range can send custom defined power commands to all connected screens or projectors compatible with CEC meaning an integrated autonomous control solution.



## A/V MUTE FUNCTION

Certain applications in the residential, education and commercial markets don't always require a source to be routed through to the output. The MX-H2A range makes it possible to "mute" the video output as well as the audio, meaning that the HDMI signals to the zones can be independently switched off via the API.

### A/V Mute Function Cuts Output Feeds

A useful feature across many applications, the A/V mute function is another switching option meaning a source doesn't have to be selected. It enables the matrix to stop sending the signal to an output with a simple API command.

### Extensive EDID Management

Via the embedded WebUI, an installer has access to full EDID management offering read, copy, store & import functions and even assign a different EDID to each connected source device.



### Powerful Input Connectivity

HDMI Inputs and HDMI outputs support bandwidths of up to 18Gbps with 4K 60Hz content including HDR standards such as HDR10, HDR10+, Dolby Vision and HLG. Inputs are compatible with DVI-I and DP++ v1.3 signals from compatible source devices.

### Audio De-embed

Featuring balanced analog and a digital S/PDIF, easily de-embed audio from either the HDMI inputs or ARC to a secondary audio distribution system without the need for external adapters or converters.

INPUT	OUTPUT
8	8

2160p  
4:4:4 60



### 4K60 8x8 HDMI Matrix

#### MXV-0808-H2A-MK2

- Supports up to 4K60 4:4:4 pure HDMI content up to 8 zones
- Each output enabled with automatic 4K to 1080p downscaling
- 8x Balanced analog and digital S/PDIF audio de-embed from input or ARC
- Custom defined CEC power triggering of displays through HDMI outputs via API
- A/V mute function cuts signal to any output on demand

Dolby Vision Dolby Atmos ARC CEC SYGMA

INPUT	OUTPUT
4	4

2160p  
4:4:4 60



### 4K HDR 4K60 4x4 HDMI Matrix

#### MX-0404-HDMI

- Supports up to 4K60 4:4:4 pure HDMI content up to 4 zones
- Each output enabled with automatic 4K to 1080p downscaling
- Equipped with 4x S/PDIF audio de-embed from each output
- IP, RS232 control gives access to extensive library of commands

Dolby Vision Dolby Atmos CEC



## NEXT GENERATION CONTENT NEEDS NEXT GENERATION CONTENT DELIVERY

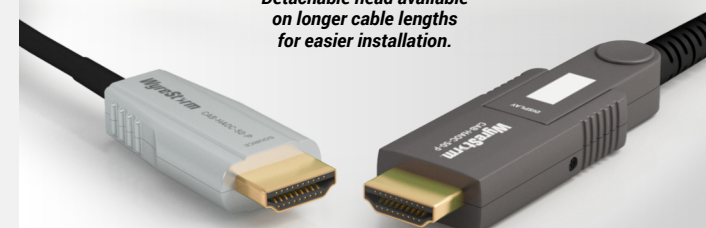
Experience a next generation HDMI cable specifically designed to be future-proof, supporting 4K and 5K HDR content. It offers a unique feature set in delivering uncompressed HDMI content up to 24Gbps and compatibility with emerging HDMI technologies such as ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate) using the latest in optical transmission technology.

Supporting 4K/60 4:4:4 10-bit HDR with HDCP 2.2 for compatibility with the latest 4K UHD content, WyreStorm HAOC's also handle all multichannel audio formats and keep inter-device communication simple with support for both ARC and CEC.

Perfect for point to point use or as part of a WyreStorm 4K UHD matrix switcher system where mirrored HDMI outputs can be used to their full potential, these cables are an ideal solution for any environment where copper transmission may be susceptible to electromagnetic or radio frequency interference.

2160p  
4:4:4 60 4K HDR HDMI ARC HDCP 2.3

Detachable head available on longer cable lengths for easier installation.



# MATRIX KITS: NEXT GENERATION A/V BUNDLED IN ONE KIT

WyreStorm's kit series is specifically tailored to meet the increased demands of 4K content & HDR, all in one box! Time is money and WyreStorm knows this as each kit is bundled with 4 slim form factor receivers, saving an extra step of pairing the matrix with its appropriate receiver. Each receiver included is PoH ready, eliminating the hassle of fitting an extra power supply at the display end, further saving time and aggravation.

Each kit lets you do even more with your audio with independent audio switching, allowing audio from sources or HDBaseT™ outputs to be de-embedded via S/PDIF and mirrored analog stereo RCA's. Furthermore, an additional mirrored output, coupled with one of WyreStorm's HAOC's, can extend the A/V signal to an AVR or an additional display.



INPUT	OUTPUT
4	4



## 4K 4x4 HDBaseT Matrix with Receivers

### MX-0404-KIT

- Supports up to 4K60 4:2:0 content up to 3x HDBaseT and 1x HDMI output
- All-in-one kit including 3 receivers and all accessories necessary to complete installation
- S/PDIF audio output for de-embedded HDMI audio per output
- AV mute function cuts signal to any output on demand



INPUT	OUTPUT
8	8



## 4K 8x8 HDBaseT Matrix with Receivers

### MX-0808-KIT

- Supports up to 4K60 4:2:0 content up to 8+4 zones
- All-in-one kit including 8 receivers and all accessories necessary to complete installation
- 4x Balanced audio outputs (5-8) for de-embedding multichannel audio



## HDCP 2.2 HDCP 2.2 COMPATIBLE

The industry's latest encryption standard designed to stop the illegal copying & distribution of 4K UHD content. WyreStorm matrix switchers are fully compliant with HDCP 2.2, enabling you to centralize source devices within an installation.



## DE-EMBEDDED AUDIO

A first for a WyreStorm 4x4 matrix, the H2A-KIT has the ability to extract the audio signals from either source devices or from the HDBaseT™ output. Having S/PDIF and analog connectivity means having the flexibility to use multi-channel 5.1 or stereo audio signals.



## KIT COMPLETE WITH RECEIVERS

With WyreStorm's matrix kits, there's no need to worry about whether you have everything you need for the job. Each kit comes with all the necessary accessories and receivers needed to get a project up and running all in one box! This also takes away the headache of choosing the correct receiver as each kit includes all 4 receivers.



## MIRRORED HDMI OUTPUTS

Certain applications in the residential, education and commercial markets don't always require a source to be routed through to the output. The MX-H2A range makes it possible to "mute" the video output as well as the audio, meaning that the HDMI signals to the zones can be independently switched off via the API.



## CUSTOMER TESTIMONIALS



**LANCE KU - SPORTECH PLC**  
WyreStorm enabled us to realize our concept perfectly with a powerful, yet cost effective solution that gives our customers exactly the AV experience we envisioned.

**DANIEL LEE - HEWSHOTT TECHNOLOGY & ACOUSTIC**  
The University prides itself on offering best in class across all areas and the AV from WyreStorm is no exception. The outcome is superb and one that all involved should be very proud of.



**MICHAL ČERNÝ - AUDIOPRO**  
We were pleased with the quality, reliability and commitment from WyreStorm and were delighted with the innovative solutions available.

INPUT	OUTPUT
4	4+1

2160p  
4:4:4 60



## 4K60 4x4 HDBaseT Matrix with Receivers

### MXV-0404-H2A-KIT

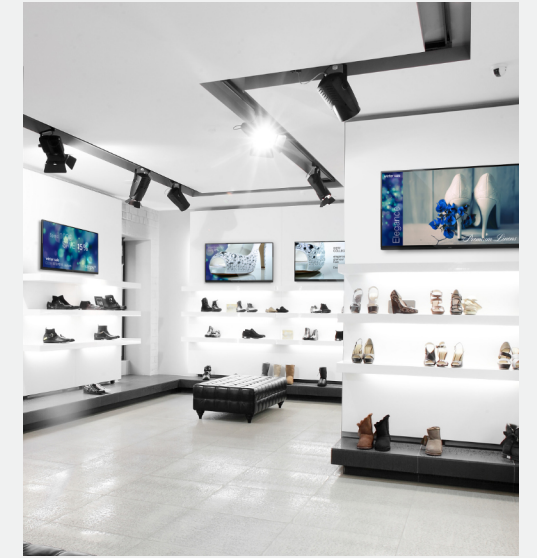
- Supports up to 4K60 4:4:4 content up to 4+1 zones
- All-in-one kit including 4 receivers and all the accessories necessary to complete installation
- Matrixed audio outputs via S/PDIF and RCA with audio mute
- Single mirrored HDMI output for connection to local AVR or display
- A/V mute function cuts signal to any output on demand



# NEED HDMI, HDBASET OR FIBER **MATRIX** SWITCHING? WYRESTORM HAS YOU COVERED.

	HDMI Series	MX-KIT	MXV Series	MXV-70 Series	MX-1616-SCL with HDMI Card	MX-1616-SCL with ADZ Card
<b>Audio + Video</b>						
Technology	HDMI	HDBaseT Class B	HDBaseT Class B	HDBaseT Class A	HDBaseT Class A	HDMI
HDCP	2.3	2.2	2.3	2.3	2.2	2.2
1080p Distance	N/A	70m/230ft	70m/230ft	100m/328ft	140m/459ft	15m Copper HDMI*
4K Distance	N/A	35m/115ft	35m/115ft	70m/230ft	70m/230ft	7m Copper HDMI*
Max. Resolution	2160@60 4:4:4	2160@60 4:2:0	2160@60 4:4:4	2160@60 4:4:4	2160@60 4:2:0	2160@60 4:4:4
DV/HDR Support	DV 60Hz	HDR10 30Hz	DV 30Hz	HDR 60Hz/ DV 30Hz	HDR10 30Hz	DV 60Hz
Zone Audio Breakout	✓	✓	✓	✓	✓	✓
Source Audio Breakout	✗	✓	✓	✓	✓	✓
HDMI Mirrored Outputs	NA	✓	✓	✓	✓	✓
ARC (Audio Return Channel)	(8x8 only)	✗	✗	✗	✓	✗
VLC Signal Compression	NA	✗	✓	✓	✗	✗
<b>Communication</b>						
Ethernet to Zone	NA	✗	✗	✗	✓	✗
Setup Via Web UI	✓	✓	✓	✓	✓	✓
System Diagnostics	✗	✗	✗	✗	✓	✓
<b>Control</b>						
IR (Bidirectional)	NA	✓	✓	✓	✓	✗
API Generated RS-232 to Zone	NA	✓	✓	✓	✓	✗
AV Mute for Outputs	✓	✓	✓	✓	✗	✗
CEC Power Triggering	✓	✓	✓	✓	✓	✓
Customized CEC Commands	✓	✗	✓	✓	✗	✗
<b>Power</b>						
Standby Mode	✓	✓	✓	✓	✗	✗
PoH	NA	✓	✓	✓	✓	NA

# SPLITTERS: SIMPLE AND EFFECTIVE HDMI DISTRIBUTION



At the more basic end of the HDMI distribution spectrum is the humble splitter, offering reliable & balanced signal management for up to 8 video zones fed from a single source. But "basic end" doesn't have to mean low performance with WyreStorm HDMI splitters offering 18Gbps HDMI performance across all outputs; this means support for video signals up to 4K/60 4:4:4 at 8-bit or 4:2:2 12-bit for residential HDR requirements.

These powerful HDMI splitters can be paired with WyreStorm's range of Active Optical cables for pure uncompressed transmission of 4K UHD up to 50m or even our EXF-300-H2 multimode fiber extender to reach distances up to 300m/984ft.

INPUT	OUTPUT
1	2

2160p  
4:4:4 60



### 4K60 1:2 HDMI Splitter

SP-0102-H2

- Supports up to 4K60 4:4:4 content up to 2 displays
- Easy Plug and play splitter with automatic EDID negotiation from output 1
- Low-profile 18mm chassis with mounting brackets for flexible placement

Dolby Vision Dolby Atmos

INPUT	OUTPUT
1	4

2160p  
4:4:4 60



### 4K60 1:4 HDMI Splitter

SP-0104-H2

- Supports up to 4K60 4:4:4 content up to 4 displays
- Easy Plug and play splitter with advance manual EDID options
- Low-profile 18mm chassis with mounting brackets for flexible placement

Dolby Vision Dolby Atmos

INPUT	OUTPUT
1	8

2160p  
4:4:4 60



### 4K60 1:8 HDMI Splitter

SP-0108-SCL

- Uncompressed HDMI distribution of 18Gbps 4K60 4:4:4 8bit video content
- Compatible with latest HDR video standards including HDR10, HDR10+, Dolby Vision and HLG
- Independent 4K to 1080p HDMI down scaling to support mixed resolution systems
- Analog & S/PDIF audio de-embed for distributing audio to an amplifier or DSP
- EDID management via RS-232 API, PC software, dip switches, or front panel buttons
- Automatic or API triggered CEC powers on/off all connected displays

Dolby Vision Dolby Atmos

INPUT	OUTPUT
1	2/4

2160p  
4:4:4 60



### 4K60 1:2/1:4 Scaling HDMI Splitter

EXP-SP-0102-H2 | EXP-SP-0104-H2

- Supports up to 4K60 4:4:4 content up to 2 or 4 displays
- Each HDMI output supports scaling of 4K-1080p
- Easy Plug and play splitter with automatic EDID negotiation
- Low-profile chassis with mounting brackets for flexible placement

Dolby Vision









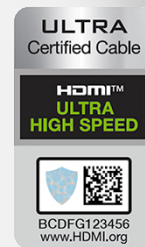
# HDMI AND ACTIVE OPTICAL CABLES

## NEXT GENERATION CONTENT NEEDS NEXT GENERATION CONTENT DELIVERY

Experience a next generation HDMI cable specifically designed to be future-proof, supporting 4K, 5K and 8K HDR content. It offers a unique feature set in delivering uncompressed HDMI content up to 48Gbps and compatibility with emerging HDMI technologies such as ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate) using the latest in optical transmission technology.

### Does your Active Optical Cable Match up to a WyreStorm HAOC?

-  **STRETCH**  
20.3KG
-  **CRUSH**  
30.5KG
-  **BEND**  
2.0KG
-  **TWIST**  
15.2KG
-  **SLAM**  
0.4KG
-  **WIND**  
NO BREAK



**8K**  
**48GBPS**  
**HDMI 2.1**

#### 48Gbps 8K/60 HDR 4:4:4 Active Optical HDMI Cable | eARC, CEC, ALLM & VRR | ISF Certified

**CAB-HAOC-FRL-10 | CAB-HAOC-FRL-15**

- Uncompressed optical transmission of HDMI content up to 48Gbps: 8K (7680 x 4320p) 60Hz
- Compatible with all current and emerging HDR standards such as HLG (Hybrid Log Gamma), HDR-10 and HDR-10+, Dolby Vision, PQ (Perceptual Quantizer) and SL-HDR-1
- Ready for future HDCP 2.3 content encryption
- Compatible with new eARC HD audio standards for on-demand content from smart TV's
- Supports HDMI 2.1 FRL (Fixed Rate Link) 16/18b encoding and DSC (Display Stream Compression)
- True native HDMI communication ensures CEC and audio return communication between compatible devices
- Supports new HDMI2.1 features such as ALLM (Auto Low Latency Mode) and VRR (Variable Refresh Rate)
- Perfect for use in environments with excessive EM or RF interference

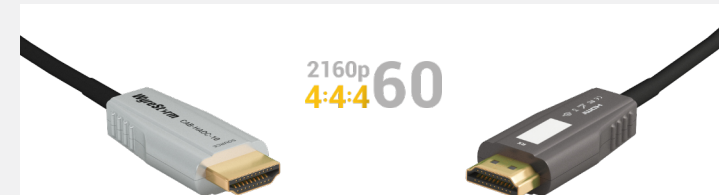


#### 24Gbps 4-core Active Optical HDMI Cable | 4K HDR 4:4:4/60 | Kevlar strengthened | Detachable Head | Plenum & FT6 Rated

**CAB-HAOC-15-C | 20-C | 30-C | 40-C | 50-C**  
(CPR SAFETY APPROVED)

**CAB-HAOC-15-P | 20-P | 30-P | 40-P | 50-P**  
(PLENUM & FT6 SAFETY APPROVED)

- Removable HDMI head, available on 30m, 40m and 50m lengths
- 4-core optical Fiber transport for uncompressed transmission of HDMI up to 24Gbps
- Supports all content up to 4K/60 4:4:4 with HDR: HLG, HDR-10+ & Dolby Vision at 60Hz
- Perfect for use in environments with excessive EM interference
- Compatible with emerging HDMI technologies ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate)
- High quality aluminium heads with Kevlar protected transmission cores
- Native HDMI communication supports ARC and CEC
- ISF certified



#### 24Gbps 4-core Active Optical HDMI Cable | 4K HDR 4:4:4/60, ARC, CEC, ALLM & VRR | Kevlar strengthened | ISF Certified

**CAB-HAOC-10 | 15 | 20**  
(CL3/FT4 SAFETY APPROVED)

- Available in 10m, 15m, 20m and 30m lengths
- 4-core optical Fiber transport for uncompressed transmission of HDMI up to 24Gbps
- Supports all content up to 4K/60 4:4:4 with HDR: HLG, HDR-10+ & Dolby Vision at 60Hz
- Perfect for use in environments with excessive EM interference
- Compatible with emerging HDMI technologies ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate)
- High quality aluminium heads with Kevlar protected transmission cores
- Native HDMI communication supports ARC and CEC
- ISF certified



#### WyreStorm Essentials 8K Ultra High Speed Cable

**EXP-8KUHD-0.5M | 1M | 2M | 3M**

- Ultra High Speed Performance: 48Gbps | 8K60Hz, 4K120Hz and up to 10K support
- Supports Dynamic HDR, eARC, VRR, QMS, QFT, ALLM
- Commercially Specified with VW-1 Rating
- Limited Lifetime Warranty





# NEXT GENERATION CONTENT NEEDS NEXT GENERATION CONTENT DELIVERY

Experience a next generation HDMI cable specifically designed to be future-proof, supporting 4K and 5K HDR content. It offers a unique feature set in delivering uncompressed HDMI content up to 24Gbps and compatibility with emerging HDMI technologies such as ALLM (Auto Low Latency Mode) & VRR (Variable Refresh Rate) using the latest in optical transmission technology.

Supporting 4K/60 4:4:4 10-bit HDR with HDCP 2.3 for compatibility with the latest 4K UHD content, HAOC cables also handle all multichannel audio formats and keep inter-device communication simple with support for both ARC and CEC.

Perfect for point to point use, or as part of a WyreStorm 4K UHD matrix switcher system where mirrored HDMI outputs can be used to their full potential, these cables are an ideal solution for any environment where copper transmission may be susceptible to electromagnetic interference.

With install experience as important as transmission quality, all CAB-HAOC cables have Kevlar protected cores and come ready spooled with color-coded heads improving installation and giving peace of mind; 30m+ models offer a detachable RX head that can be easily fed through conduit or trunking.

The perfect accessory to any WyreStorm 4K UHD distribution and an absolute must for today's and tomorrow's AV projects that require rock-solid delivery of the latest 24Gbps HDMI content.



## The WyreStorm Difference:

With so many brands jumping on the Active Optical bandwagon, the market all of a sudden seems flooded with Hybrid HDMI options, but which ones are best? On the outside they all seem to say the same things and tick the key boxes; in an industry where everyone falls over themselves quoting big numbers to win favor among already bemused customers, WyreStorm does things a little differently and looks ahead. Ready not just for content available now but also emerging technologies of the future: 4K/60 content up to 24Gbps without chroma-sampling (10-bit 4:4:4), ALLM & VRR are all supported by our HAOC's.

While supporting the all-important buzz words such as HDCP 2.2, ARC and CEC (it is transparent communication, after all) we further concentrate on the things that others leave behind, namely build quality & reliability; plus being

Fiber, it's more than capable of passing 24Gbps HDMI content. WyreStorm HAOC's are rigorously tested to push their tolerance limits, ensuring they can withstand the strains of install. In developing this next generation cable, we stretched, crushed, slammed, bent, twisted and wound to ensure its Kevlar protection would outperform those that attempt to produce something as good as a WyreStorm HAOC.



All of our HAOC cables use SUP free packaging, meaning they can be recycled. Compared to the standard plastic spools, ours is made of cardboard and you can unspool the cable without even opening the box using our engineered dispenser.

## Does your Active Optical Cable Match up to a WyreStorm HAOC?



STRETCH  
20.3KG



CRUSH  
30.5KG



SLAM  
0.4KG



BEND  
2.0KG



TWIST  
15.2KG



WIND  
NO BREAK

## What Our Customers Say...

“ I installed the cable into a Sony XBR65A1E OLED from a Sony STRZA5000ES using HDMI 2 output.

First off, I noticed a speed increase in the image syncing and EDID was very fast compared to the extender set I had installed before the using the fiber cable.

I also noticed with an installed Apple TV there was a slight color variance, which has now gone. When using the UBPX-1000ES Sony Blu-ray the sync was also much faster. Only a few seconds! HDR content was magnificent.

Also switching to an HTPC was substantially faster and EDID stopped making strange things happen when switching from Apple TV to HTPC sources. ”

**ARI TENN**  
Volutone

“ I previously had purchased some fiber HDMI cables with the 18Gbps spec through Amazon when I originally thought to replace my Crestron cable. I tried 4 different HDMI Fiber Hybrid cables over the course of a few weeks and each of them passed images/video well but neither of those would consistently pass ARC. I ultimately returned each of those cables and kinda just gave up.

The WyreStorm cable has not only worked with ARC consistently now for a few hours which says that it will work moving forward but it's also produced a sharper and more detailed image with greater color saturation and specular highlights when driving HDR content. I think many people would say they don't see a difference but I can say without question that the image clarity and color depth is better using this cable than the Crestron cable or either of the 4 prior hybrid fiber cables that I purchased through Amazon.

I'm impressed and super pleased! ”

**TYSON SCHERB**  
Jaymarc AV, Seattle WA



2160p  
4:4:4 60

# EXTENDER SOLUTIONS: AN EXTENSIVE RANGE OF SOLUTIONS FOR EVERY APPLICATION

WyreStorm continues to strive to be at the forefront of technology and meet consumer demands with the right product for the application, and our wide range of extenders are no exception. Boasting features such as 18Gbps transmission over a single cat6 cable or fiber, a mixture of USB, Ethernet, control and PoH, our extenders have been engineered in a way to fit the demands in an existing system, as well as feature rich enough to serve as a stand-alone.

With ease of installation at their heart, WyreStorm's broad range of extenders ensure just that with their slim form factor design and plug and play setup. Coupled with an excellent build quality and warranty, WyreStorm's extenders create the ultimate in staying power and longevity.

2160p  
4:4:4 60

## SIGNAL INTEGRITY FROM SOURCE TO DISPLAY

Fact: Not all signal compression is the same. Most WyreStorm extenders can transmit 18Gbps HDMI content over conventional HDBaseT. We achieve this using our VLC (Variable Lossless Compression) technology which adds light compression at the point of transmission and re-builds the signal at the receiver without any visual degradation or artefacting.



## FIBER REVOLUTION

WyreStorm products featuring fiber currently include a multimode fiber transmission card for the modular H2XC matrix switcher and receiver, extender set supporting transmissions up to 300m/984ft, and our line of Active Optical HDMI cables spanning 10m, 15m, 20m and 30m distances.



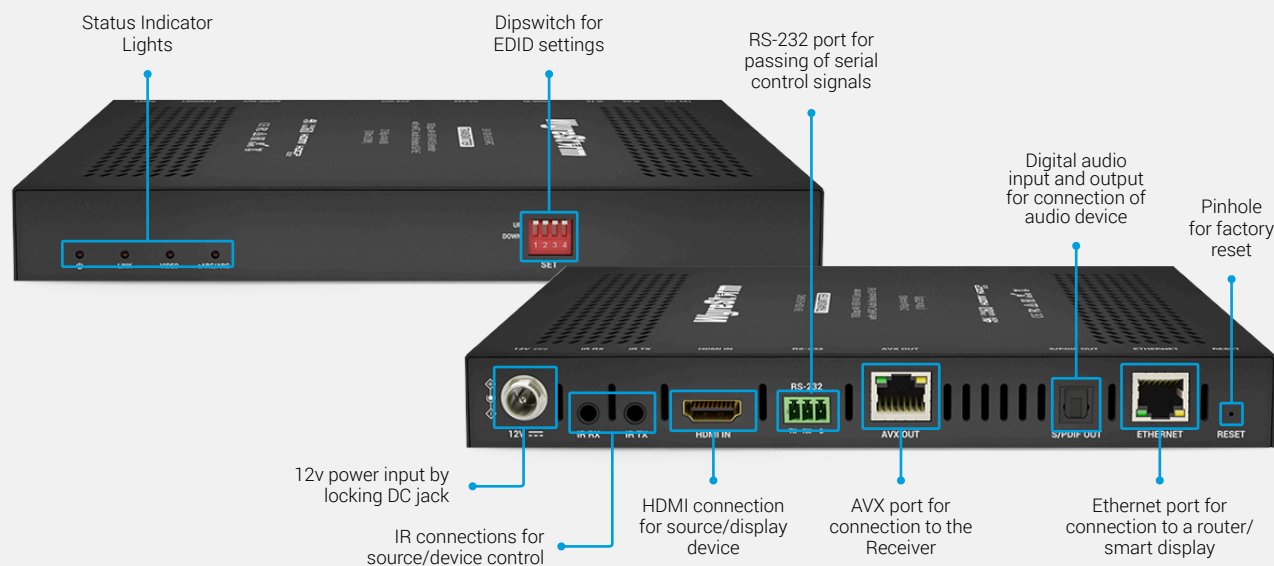
## ENHANCED AUDIO WITH ARC

Free the audio from the on-demand content on your smart TV. The HDBaseT specification enables digital audio from a Smart TV to be sent back to the transmitter and broken out to an AVR or audio system. This has benefits for the installer as it means additional AVR switching commands aren't required thanks to the transparent ARC communication.



## HIGH SPEED USB DATA TRANSFER

Increasing the auxiliary channel within the HDBaseT™ link means that 200Mbps USB 2.0 data can be sent bidirectionally, at the same time as 4K video, audio, control and Ethernet. Not restricted to simple HID's like keyboard and mice, HDBaseT™ 2.0 can handle full HD webcams, interactive white boards and even USB flash drives.



2K	4K UHD
100m	100m



### 100m 4K HDBaseT Extender with USB

#### EX-100-H2

- Supports up to 4K60 4:2:0 content
- USB data transfers of up to 190Mbps
- High-speed USB 2.0 passthrough
- Backwards compatible with HDBaseT 1.0 transmission and receiving devices



2K	4K UHD	4:4:4/60
100m	100m	100m

2160p  
4:4:4 60



### 100m 4K 60 4:4:4 HDBaseT 3.0 Extender with eARC

#### EX3-100-EARC

- Uncompressed 18Gbps AV Signal Support: Experience top-notch video and audio quality with HDBaseT 3.0
- Backward Compatibility with ARC: Seamlessly integrate with existing ARC systems for hassle-free connectivity
- Bidirectional IR and RS232 Transmission: Ensure reliable control and communication between your devices
- Optical Audio Return and Audio De-embed: Enjoy enhanced audio capabilities with optical audio return and the ability to separate audio from video signals
- Test Pattern Generation: Simplify troubleshooting with built-in test pattern generation

2K	4K UHD
100m	100m



### 100m 4K30 KVM IP Extender

#### EX-100-KVM-IP

- Extends 4K video up to 30Hz over IP-based network infrastructure
- Enables flexible system design using standard network switches
- Integrated USB extension for KVM functionality
- Supports PoE for simplified deployment
- Ideal for distributed AV and remote access applications



2K	4K UHD	4:4:4/60
100m	70m	70m

2160p  
4:4:4 60



### 70m 4K60 HDBaseT Extender

#### EX-70-H2

- Supports up to 4K60 4:4:4 content
- Bidirectional IR, RS232 and CEC control



### 40m 5K KVM HDBaseT 3.0 Extender

#### EX-40-KVM-5K

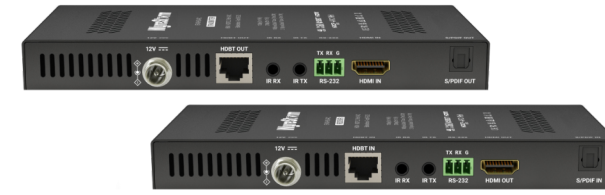
- Supports high-resolution video up to 5K60 and 4K60 4:4:4 over 40m/131ft
- Utilizes HDBaseT 3.0 for reliable, high-bandwidth signal extension
- Integrated USB extension supports keyboard, mouse and peripheral connectivity
- HDMI loop out on transmitter for local monitoring
- Supports HDR, RS-232 and CEC for advanced system integration
- 1-way PoH for simplified installation



### 100m 8K KVM HDBaseT Extender

#### EX-100-KVM-8K

- Extends up to 8K60 and 4K120 video over distances up to 100m/328ft
- Supports high-bandwidth HDMI signals for next-generation video formats
- Integrated USB 2.0 extension for full KVM functionality
- Compatible with HDR, RS-232 and CEC control systems
- 1-way PoH enables single-cable power and signal delivery



### 40m 4K60 HDBaseT Extender with ARC

#### EX-40-H2-ARC

- Extends 4K60 4:4:4 video up to 40m/131ft
- Supports ARC for audio return from display to source or amplifier
- Supports HDR and full HDMI bandwidth up to 18Gbps
- Integrated audio de-embedding for flexible audio routing
- Supports IR, RS-232 and CEC control
- Bi-directional PoC for simplified installation



### 100m eARC Audio Extender

#### EXA-100-EARC

- Extends eARC/ARC audio signals up to 100m/328ft
- Designed for high-quality audio return between display and AVR
- Supports advanced audio formats over HDMI
- Enables flexible audio routing in AV systems
- Supports IR, RS-232 and CEC control



### 60m Dual HDMI KVM Extender

#### EX-60D-KVM

- Extends dual HDMI signals up to 60m/197ft over Cat cable
- Supports 1080p video for dual-display applications
- Integrated USB extension for full KVM control
- Designed for multi-display workstation environments
- Bi-directional PoC for simplified installation



### 100m 4K60 KVM HDBaseT Extender

#### EX-100-KVM

- Extends 4K video up to 60Hz over distances up to 100m/328ft
- Supports HDMI signals with HDR compatibility
- Integrated USB 2.0 for keyboard, mouse and peripheral extension
- Supports RS-232 and CEC for system integration
- 1-way PoH for simplified single-cable installation



### 70m 4K60 HDMI Extender with ARC (UTP)

#### EX-70-H2C

- Extends 4K60 4:4:4 video up to 70m/230ft over Cat cable
- Supports ARC for audio return from display
- HDMI loop output for local monitoring
- Designed for cost-effective installations
- Supports IR control and PoC



### 35m 8K HDMI Extender

#### EX-35-8K

- Supports next-generation video formats up to 8K60 and 4K120
- Extends high-bandwidth HDMI signals up to 35m/115ft
- Compatible with HDR for enhanced image quality
- Supports IR, RS-232 and CEC for system integration
- Bi-directional PoC for simplified deployment



### 300m 4K60 Fiber HDMI Extender

#### EXF-300-H2

- Extends 4K60 4:4:4 video up to 300m/984ft over fiber
- Supports full bandwidth HDMI signals with HDR compatibility
- Ideal for long-distance, interference-free installations
- Supports IR and RS-232 for control integration



### 10km 5K Fiber HDMI Extender

#### EXF-10KM-5K

- Ultra-long distance transmission up to 10km for 5K and 4K content
- Supports high-resolution video formats up to 5K60
- HDMI loop out and audio de-embedding for flexible system design
- Supports IR, RS-232 and CEC control
- Bi-directional PoC for simplified deployment





2K	4K UHD	4:4:4/60
70m	35m	35m

2160p  
4:4:4 60



### 35m 4K60 HDBaseT Extender with ARC

#### EX-35-H2-ARC

- Dynamic visually lossless compression enables extension of up to 4K HDR content at 60Hz to 35m/115ft
- Supports full bandwidth HDMI content up to 17.8Gbps
- Compatible with the latest HDR standards, including HDR-10 and HLG content, with support for Dolby Vision™ up to 30Hz
- ARC compatible receiver extracts 5.1 audio from TV and sends over HDBaseT to transmitter, S/PDIF input on receiver also included
- 2-way PoH for maximum flexibility during installation
- Bidirectional IR and RS-232

HDBaseT™ HDCP 2.2 ARC PoH Dolby Vision

2K	4K UHD	4:4:4/60
70m	35m	35m

2160p  
4:4:4 60



### 35m 4K60 HDBaseT Extender

#### EX-35-H2

- Dynamic visually lossless compression enables extension of up to 4K HDR content at 60Hz to 35m/115ft
- Supports full bandwidth HDMI content up to 17.8Gbps
- Compatible with the latest HDR standards, including HDR-10 and HLG content, with support for Dolby Vision™ up to 30Hz
- 2-way PoH for maximum installation flexibility and convenience
- Bidirectional IR, RS-232 and CEC

HDBaseT™ HDCP 2.2 PoH Dolby Vision



### 100m 4K60 HDBaseT Extender with Ethernet

#### EX-100-G2

- Extends 4K video up to 100m/328ft over HDBaseT
- Supports HDMI signals with HDR compatibility
- Integrated Ethernet extension over Cat cable
- Supports IR, RS-232 and CEC control
- Bi-directional PoC for simplified installation



### 100m USB 3.0 HDBaseT Extender

#### EX-100-USB3

- Extends USB 3.0 signals up to 100m/328ft over HDBaseT
- Supports high-speed peripherals including cameras, storage and conferencing devices
- Provides up to 4 USB device connections at the remote end
- Bi-directional PoH for simplified installation
- Ideal for conferencing, education and KVM applications

2K	4K UHD	4:4:4/60
70m	35m	-



### 70m 4K HDBaseT Extender

#### EX-70-G2

- Supports 4K60 4:2:0 content
- Bidirectional IR, RS232 and CEC control

4K UHD HDBaseT™ PoH CEC

2K	4K UHD	4:4:4/60
80m	-	-



### 80m KVM UTP Extender

#### EX-80-KVM

- Supports up to 1080p60 content
- Supports HID devices and USB 2.0 data transfers bidirectionally

PoC Full HD 1080P



### 60m USB 2.0 Extender

#### EX-60-USB2

- Extends USB 2.0 signals up to 60m/197ft over Cat cable
- Supports connection of multiple USB peripherals including keyboards, mice and cameras
- Plug-and-play operation with no drivers required
- Compact design for flexible installation
- PoC for simple single-cable deployment



### 100m USB-C Wall Plate Extender

#### EX-100-IW-USB2

- Extends USB connectivity up to 100m/328ft via HDBaseT
- Wall plate form factor for clean, integrated installations
- Supports USB 3.0 devices including conferencing peripherals
- Provides multiple USB device ports at the remote end
- 1-way PoH+ for streamlined installation

2K	4K UHD	4:4:4/60
40m	-	-



### 40m 1080p UTP Extender

#### EX-40-G3

- Supports up to 1080p60 content
- IR passthrough RX>TX for source control
- Simple signal equalization via slider switch

PoC Full HD 1080P



# THE RIGHT **EXTENDER** FOR THE RIGHT APPLICATION, WYRESTORM HAS YOU COVERED.

	Type	HDCP	Max Resolution Supported	4K Distance	1080p Distance	Transmission	HDR	ARC/eARC	HDMI Loop Out	IR	RS-232	CEC	Ethernet	PoH / PoE	Video Input	Video Output	USB Host	USB Device (Remote)	USB 2.0/3.0	Audio De-embed
<a href="#">EX-40-KVM-5K</a>	KVM	2.3	5120x2160@60Hz 4:2:0 / 5120x2160@30Hz 4:4:4 / 4K@60Hz 4:4:4 / 1920x1080@240Hz	5K: 40m/131ft   4K: 40m/131ft	70m/230ft	HDBT 3.0	✓	✗	✓	✗	✓	✓	✗	✓ (1-way, Rx→Tx)	1x HDMI Input	1x HDMI Output (Tx) / 1x HDMI Output (Rx)	1x Local USB Host	4x Remote USB-A	✓	1x Audio OUT (Rx)
<a href="#">EX-100-KVM-8K</a>	KVM	2.3	8K@60Hz 4:2:0 / 8K@30Hz 4:4:4 / 5K@60Hz 4:4:4 / 4K@120Hz 4:4:4	8K:100m / 5K:100m / 4K:100m	100m/328ft	HDBT	✓	✗	✗	✗	✓	✓	✗	✓ (1-way, Rx→Tx)	1x HDMI Input	1x HDMI Output	1x Local USB Host	4x Remote USB-A	✓	1x Audio OUT (Rx)
<a href="#">SWX-100-IW-UX</a>	KVM	2.3	4K@60Hz 4:4:4	100m/328ft	100m/328ft	HDBT 3.0	✓	✗	✗	✗	✓	✓	✗	✓ (1-way PoH+, Rx→Tx)	1x HDMI Input / 1x USB-C Input	1x HDMI Output	1x Local USB Host / 1x host built-in USB-C input	3x Remote USB-A	✓	1x Audio OUT (Rx)
<a href="#">SWX-100-HDBT3</a>	KVM	2.3	5K@60Hz 4:2:0 / 4K@60Hz 4:4:4 / 2560x1440@144Hz / 1920x1080@240Hz	100m/328ft	100m/328ft	HDBT 3.0	✓	✗	✗	✗	✓	✓	✗	✓ (Bi-directional PoH+)	1x HDMI Input / 1x USB-C Input	1x HDMI Output	1x Local USB Host / 1x host built-in USB-C input	3x Local USB-A (Tx) / 3x Remote USB-A (Rx)	✓	1x Audio OUT (Tx) / 1x Audio OUT (Rx)
<a href="#">EX-100-KVM</a>	KVM	2.3	4K@60Hz 4:2:0	100m/328ft	100m/328ft	HDBT	✓	✗	✗	✗	✓	✓	✗	✓ (1-way, Tx→Rx)	1x HDMI Input	1x HDMI Output	1x Local USB Host	4x Remote USB-A	✓	1x Audio OUT (Rx)
<a href="#">EX-100-KVM-IP</a>	KVM	1.4	4K@30Hz 4:4:4	100m/328ft	100m/328ft	Compressed IP Stream	✗	✗	✗	✗	✗	✗	✗	PoE	1x HDMI Input	1x HDMI Output	1x Local USB Host	3x Remote USB-A	✓	✗
<a href="#">EX-80-KVM</a>	KVM	1.4	1920x1080@60Hz	Not supported	80m/262ft	UTP	✗	✗	✗	✗	✗	✗	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	1x Local USB Host	2x Remote USB-A	✓	✗
<a href="#">EX-60D-KVM</a>	KVM	1.4	1920x1080@60Hz	Not supported	60m/197ft	UTP	✗	✗	✗	✗	✗	✗	✗	PoC (Bi-directional)	2x HDMI Input	2x HDMI Output	1x Local USB Host	4x Remote USB-A	✓	✗
<a href="#">EXF-300-H2</a>	HDMI	2.3	4K@60Hz 4:4:4	300m/984ft	300m/984ft	Fiber-Optic	✓	✗	✗	✓	✓	✗	✗	✗	1x HDMI Input	1x HDMI Output	✗	✗	✗	—
<a href="#">EXF-10KM-5K</a>	HDMI	2.3	5K@60Hz 4:2:0	10KM/6.2 Miles	10KM/6.2 Miles	Fiber-Optic	✓	✗	✓	✓	✓	✓	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output / 1x HDMI Loop Output (Tx)	✗	✗	✗	1x S/PDIF OUT(Tx) / 1x Audio OUT(Tx)
<a href="#">EX3-100-EARC</a>	HDMI	2.3	4K@60Hz 4:4:4	100m/328ft	100m/328ft	HDBT 3.0	✓	✓ (eARC/ARC)	✓	✓	✓	✓	✓	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output / 1x HDMI Loop Output (Tx)	✗	✗	✗	1x S/PDIF OUT (Rx) (pass-through)
<a href="#">EXA-100-EARC</a>	HDMI	—	Audio only	Audio-only: 100m/328ft	—	UTP	—	✓ (eARC/ARC)	✗	✓	✓	✓	✗	✗	1x HDMI Input (Audio-only)	1x HDMI Output (Audio-only)	✗	✗	✗	✗
<a href="#">EX-40-H2-ARC</a>	HDMI	2.3	4K@60Hz 4:4:4	40m/131ft	70m/230ft	HDBT	✓	✓ (ARC)	✗	✓	✓	✓	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	✗	✗	✗	1x Audio OUT(Tx)
<a href="#">EX-35-8K</a>	HDMI	2.3	8K@60Hz 4:2:0 / 4K@120Hz 4:4:4	35m/115ft	35m/115ft	HDBT	✓	✗	✗	✓	✓	✓	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	✗	✗	✗	1x Audio OUT (Rx)
<a href="#">EX-70-H2C</a>	HDMI	2.3	4K@60Hz 4:4:4	70m/230ft	70m/230ft	UTP	✓	✓ (ARC)	✓	✓	✗	✗	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output / 1x HDMI Loop Output (Tx)	✗	✗	✗	1x Audio OUT (Rx)
<a href="#">EX-35-H2</a>	HDMI	2.3	4K@60Hz 4:4:4	35m/115ft	70m/230ft	HDBT	✓	✗	✗	✓	✓	✓	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	✗	✗	✗	1x Audio OUT (Rx)
<a href="#">EX-100-G2</a>	HDMI	2.3	4K@60Hz 4:2:0 / 4K@30Hz 4:4:4	100m/328ft	100m/328ft	HDBT	✓	✗	✗	✓	✓	✓	✓	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	✗	✗	✗	✗
<a href="#">EX-70-G2</a>	HDMI	2.3	4K@60Hz 4:2:0 / 4K@30Hz 4:4:4	35m/115ft	70m/230ft	HDBT	✓	✗	✗	✓	✓	✓	✗	PoC (Bi-directional)	1x HDMI Input	1x HDMI Output	✗	✗	✗	✗
<a href="#">EX-40-G3</a>	HDMI	1.4	1920x1080@60Hz 4:4:4	Not supported	40m/131ft	UTP	✗	✗	✗	✓	✗	✗	✗	PoC (1-way Tx→Rx)	1x HDMI Input	1x HDMI Output	✗	✗	✗	✗
<a href="#">EX-100-USB3</a>	USB	—	—	—	—	HDBT	✗	✗	✗	✗	✗	✗	✗	✓ (Bi-directional PoH+)	—	—	1x Local USB Host	4x Remote USB-A	✓ (USB 3.0)	—
<a href="#">EX-60-USB2.0</a>	USB	—	—	—	—	UTP	✗	✗	✗	✗	✗	✗	✗	PoC (1-way, Tx→Rx)	—	—	1x Local USB Host	4x Remote USB-A	✓ (USB 2.0)	—
<a href="#">EX-100-IW-USBC (Wall-Plate)</a>	USB	—	—	—	—	HDBT	✗	✗	✗	✗	✗	✗	✗	✓ (1-way PoH+, Rx→Tx)	—	—	1x Local USB Host	4x Remote USB-A	✓ (USB 3.0)	—

# AV Essentials Made Easy

WyreStorm Essentials has been developed as a simple and affordable line of AV distribution products for home and light commercial installations. With a wide range of models, WyreStorm Essentials are plug and play 4K, HD, and home solutions for just about every application environment.

WyreStorm warrants that all products in the Essentials range are to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase from WyreStorm. Products must be purchased from an authorized WyreStorm dealer or through an authorized distribution partner's dealer.

## WyreStorm Essentials



2 YEAR WARRANTY

**8K Ultra High Speed Cable**  
**EXP-8KUHD-0.5M | 1M | 2M | 3M**

- Ultra High Speed Performance: 48Gbps | 8K60Hz, 4K120Hz and up to 10K support
- Supports Dynamic HDR, eARC, VRR, QMS, QFT, ALLM
- Commercially Specified with VW-1 Rating
- Limited Lifetime Warranty

e-ARC **HDCP 2.3** **CEC**

**4K High Speed Cable with Ethernet**  
**EXP-4KUHD-1M | 2M**

- High Speed Performance: 18Gbps 4K HDR 60Hz
- ARC, CEC, VRR & ALLM Supported
- Commercially Specified with VW-1 Rating
- Limited Lifetime Warranty

e-ARC **HDCP 2.2** **CEC**

# 8K

**EXP-SW-0201-8K**  
**EXP-SW-0401-8K**  
**EXP-SP-0102-8K**

**8K60 2x1 & 4x1 HDMI Switcher**  
**EXP-SW-0201-8K | EXP-SW-0401-8K**

- Supports resolutions of up to 8K@60Hz, 4K@120Hz or 10K@120Hz (Using DSC passthrough)
- HDMI audio de-embed or ARC via S/PDIF
- Supports HDMI 2.1 features such as QFT (Quick Frame Transport), QMS (Quick Media Switching), ALLM (Auto Low Latency Mode) and VRR (Variable Refresh Rate)
- DSC 1.2a passthrough to achieve resolutions of up to 10K@120Hz
- Supports full CEC passthrough
- Full EDID management via DIP switches

**8K60 1:2 HDMI Splitter**  
**EXP-SP-0102-8K**

- A true plug-and-play HDMI splitter, supporting up to two 8K displays to one source
- Scales 8K>4K or 4K>1080p on output 2
- DSC 1.2 passthrough to achieve resolutions of up to 10K@120Hz
- Supports HDMI 2.1 features such as QFT (Quick Frame Transport), QMS (Quick Media Switching), ALLM (Auto Low Latency Mode) and VRR (Variable Refresh Rate)
- Full EDID management via DIP switches

**HDMI 2.1** **HDCP 2.3**

INPUT	OUTPUT
4	1

2160p **4:4:4** 60

**4K HDR 4x1 HDMI Switcher with Auto-Switching**  
**EXP-SW-0401-H2**

- Supports up to four 4K60 4:4:4 inputs to one display
- True plug-and-play switcher with automatic EDID negotiation
- Automatic input cable equalization and signal regeneration eliminates signal degradation

**Dolby Vision**

INPUT	OUTPUT
4	2

2160p **4:4:4** 60

**4K60 4x2 HDMI Matrix Switcher**  
**EXP-MX-0402-H2**

- 4 input matrix supporting 4K60 4:4:4 content to 2 displays
- Each HDMI output supports scaling of 4K>1080p
- Supports output of 5.1 ARC signal from a compatible connected screen on output 2
- Analog source audio breakout on output 1 or 5.1 source audio breakout on output 2

**Dolby Vision** **e-ARC** **CEC**

INPUT	OUTPUT
1	2/4

2160p **4:4:4** 60

**4K60 1:2/1:4 Scaling HDMI Splitter**  
**EXP-SP-0102-H2 | EXP-SP-0104-H2**

- Supports up to 4K60 4:4:4 content up to 2 or 4 displays
- Each HDMI output supports scaling of 4K>1080p
- Easy Plug and play splitter with automatic EDID negotiation
- Low-profile chassis with mounting brackets for flexible placement

**Dolby Vision**

**HDMI Audio Extractor**  
**EXP-CON-AUD-H2**

- Digital S/PDIF and analog L/R HDMI audio de-embed with HDMI passthrough
- 18Gbps HDMI passthrough, including up to 4K HDR 4:4:4/60
- Three gear sliding switch supporting passthrough, 2.0ch and 5.1 audio EDID
- Compact appearance and easy to install

**4K HDR** **HDMI 2.2** **HDCP 2.2**

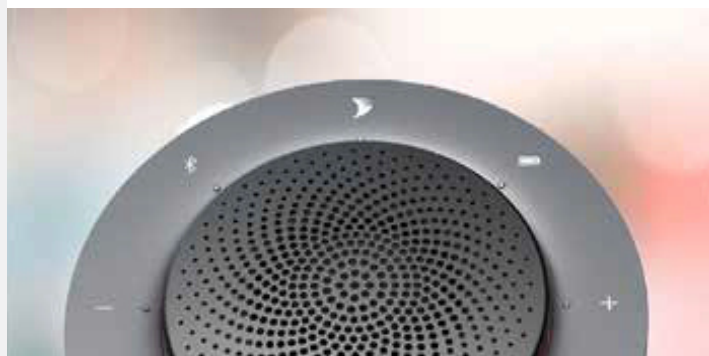


# WyreStorm OFFICE

A brand new line of products designed to simplify your work space, increase productivity and make the work day flow as smoothly as possible. Aiming for an effortless plug & play video conference experience, the new WyreStorm Office line offers a range of premium webcams, as well as USB speakerphones.



The Focus range of WyreStorm Office webcams are designed with a premium wide-angle lens, advanced CMOS sensors, and wide dynamic range (WDR) technology. Depending on the model, Focus webcams can seamlessly stream 1080p or 4K distortion-less images to your computer for crystal clear video calls.



The outstanding audio quality of the Halo range of speakerphones can ensure everyone is heard during conference calls, making your meeting more efficient. Coming in three different models, all include 4 built-in mics arranged in a 360° array, allowing for a clear and natural omni-directionally voice pick-up pattern within 16ft or 5m.



### 4K UHD Ultra-Wide angle ePTZ Webcam with Integrated Mic

#### FOCUS 200-PRO

- Supports Wide Dynamic Range (WDR) for clear image in any light
- 106° Wide-angle lens that captures a wide field of view
- AI backlight compensation & low light compensation
- AI noise-cancelling mics, 8x digital zoom, ePTZ
- Supports 4K/30fps, 1080p/60fps & 720p/90fps
- Supports Windows/MacOS App for video configuration & color adjustment



### Halo Series All In One Video Bar

#### HALO-COM-MIC

- Cascade 3 times for expanded mic pick-up range
- Supports AEC, AGC & noise suppression
- Beam-forming microphone array
- Small & compact design with a minimal footprint
- Convenient mute toggle button for microphone



### Halo Series All In One Video Bar

#### HALO-VX10 v2

- 120° Wide-Angle 4K Camera Captures Crystal Clear Video
- Wide Dynamic Range with AI Enhanced Lighting
- Supports up to 90 FPS High Framerate Video Capture
- 4-Microphone Array with Echo Cancellation & Auto Gain Control
- Supports up to 3 HALO-COM-MIC extension microphones
- 3.5mm analog audio output for connecting external speakers



### Professional USB Speakerphone for Seamless Collaboration

#### HALO 80

- Connect up to 9 Units in daisy chain for wider room coverage
- 360° Voice Pickup with 4-mic array and advanced noise cancellation
- Plug & Play USB-C + USB-A for universal compatibility with laptops and PCs
- Full Duplex Audio with echo cancellation for natural conversations





*Powerful. Reliable. Simple.*

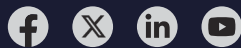
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