



An Installer's Guide To An Uncompressed World



2022 Edition



A NOTE FROM THE ALLIANCE PRESIDENT

June 2022

Dear Fellow AV Professionals,

It wasn't so long ago, October to be exact, that we were last together in Orlando for InfoComm 2021. However, in the spirit of us finding ourselves in Las Vegas for this InfoComm 2022, I'll wager to say when it comes to events like these, you can't get too much of a good thing.

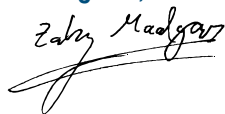
This year's show promises to be just as exciting, as our signature HDBaseT Power Wall returns bigger and better than ever, loaded with transceivers, wall plates, bridge solutions, and more, all supporting our latest HDBaseT Spec 3.0. In fact, we've had to expand our shelves to make room for over 20 of these products with the ability to extend fully uncompressed 4K@60Hz 4:4:4, audio, USB 2.0, Gigabit Ethernet, controls, and power, all over a single, standard Category cable. It really doesn't get more uncompressed than that! I would like to thank ATEN, Aurora Multimedia, AVPro Edge, Blustream, C2G, CYP, Hall Technologies, IDK, Kramer, Matrox, MSolutions, ProTAV, Pulse-Eight, PureLink, Vanco International, and XYTE, for their ongoing support to the advancement of the HDBaseT standard, and in particular, their commitment to Spec 3.0. I encourage everyone to take advantage of this opportunity to get a first-hand look at these revolutionary new products up close.

Additionally, I am proud to present to visitors of booth W1337 our HDBaseT Storyline Showcase, featuring nine exhibits curated by Alliance members ATEN, AVPro Edge, CYP, Key Digital, Matrox, Murideo, Valens, Vanco, WyreStorm, and XYTE. Each of these themed demonstrations elegantly illustrates how HDBaseT is reshaping the landscape of professional AV, by providing a look into the future of hybrid learning, video conferencing, residential installations, HDBaseT-IP bridge solutions, testing tools, Hardware-as-a-Service, and more. With so much to see and do all in one place, it's practically a miniature InfoComm of its own.

Finally, for those looking to add the metaverse to their InfoComm experience, I'm pleased to announce that our HDBaseT Uncompressed Adventure virtual treasure hunt game will be making its North American debut at this year's show. As you walk the show floor, you'll notice blue HDBaseT logos with QR codes in all our Alliance members' booths, that when you scan will open the augmented reality game on your phone. With over 70 of our Alliance members exhibiting at this year's InfoComm, our industry's largest interoperable ecosystem is well represented, making for plenty of booths to visit, HDBaseT products to learn about, and opportunities to play and win. My gratitude to ATEN, C2G, CYP, Matrox, MSolutions, Simply45, and Vanco for their generosity in contributing some truly amazing HDBaseT products and bundles that some lucky winners will be taking home.

On behalf of everyone at the HDBaseT Alliance, I thank you for your interest in HDBaseT. I hope you enjoy what we have in store at this year's InfoComm International, and look forward to continuing our commitment to pioneering an innovative future for the professional AV market.

Best regards,



Tzahi Madgar

President, HDBaseT Alliance



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VE1843 True 4K HDMI / USB HDBaseT 3.0 Transceiver

Product Description

ATEN's first video transceiver, the VE1843 can be easily configured as either a transmitter or receiver depending on the AV solution you require. Featuring the latest HDBaseT 3.0 technology, it enables seamless extension of uncompressed True 4K@60Hz 4:4:4, audio, IR, RS-232, Gigabit Ethernet, and USB 2.0, up to 100m/328ft, with zero latency over a standard Category 6a cable. With its user-oriented hardware design and enhanced durability, the VE1843 is purpose-built for spaces that require long-distance, yet high-quality, signal transmission with streamlined installation and non-stop operation.

Key Features

- Supports HDBaseT Spec 3.0
- Transmits zero latency uncompressed 4K@60Hz 4:4:4 up 100m/328ft over standard Category 6a cable
- Integrates the functions of a transmitter and a receiver into one device
- Supports HDMI audio embedded / de-embedded functions and HDMI local output
- Tailored fanless fin heat sink enclosure for enhanced thermal dissipation and durability
- Built-in ATEN default EDID to improve interoperability between HDMI sources and display



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HT Pro Series HT-TC1 Transceiver Box

Product Description

The HT Pro Series can transmit uncompressed 4K@60 4:4:4 18Gbps HDMI 2.0/HDCP2.2 100m (328ft) over a single unshielded CAT cable with no quality compromise and with zero frame latency. In addition, the HT-TC1-PRO has an integrated web server for remote IP control, 480Mbps USB 2.0 with directional control, and 1Gbps LAN.

Aurora is also the first ever to implement a bi-directional patent pending PoH for remote powering. Currently all HDBaseT products on the market which use the PoH standard are limited to one direction. The HT Pro Series allows a user to choose which side to power from and in a nonproprietary way so it will work with any HDBaseT PoH compliant device. To further simplify the installation, the HT Pro Series can power both connected units from a single port of a PoE switch eliminating external power supplies. This with the integrated IP port expander allows the HT-TC1-PRO to be the most powerful and easiest HDBaseT product to install on the market.

Key Features

- Supports HDBaseT Spec 3.0
- 4K@60 4:4:4 18Gbps uncompressed
- HDR (High Dynamic Range)
- Transceiver (Transmitter or Receiver)
- 100m (328ft) with Unshielded Cable
- Four HDMI® 2.0/HDCP 2.2 Inputs
- One HDMI® 2.0/HDCP 2.2 Output
- Audio DSP
- Dante™/AES67 Options 2 or 8 Channel
- ARC Audio Return Channel and ARC into Dante/AES67, an industry first!
- Audio Fiber Output
- Operate & Power both TX & RX from a single PoE+ Switch Port
- Auto Switching
- 1G Local LAN Port and 1G over the HDBaseT Connection
- USB 2.0 Devic/Host 480Mbps with Selectable Direction
- IP Port Expansion Control, RS-232, and IR Control
- ReAX Control Option



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auroramultimedia.com



HT Pro Series HT-TC1-WP2

Two Gang Transmitter Decora Wall Plate

Product Description

Aurora Multimedia redefines HDBaseT with many new capabilities including the ability for uncompressed 4K@60 4:4:4 as a transmitter. The new HT Pro Series even has Dante® option for 2 channels. We even went a step further by implementing ARC (Audio Return Channel) and allowing it to be fed to Dante or to the local line output, making it an industry first.

The HT Pro Series can transmit uncompressed 4K60 4:4:4 18Gbps HDMI 2.0/ HDCP2.2 100m (328ft) over a single unshielded CAT cable with no quality compromise, and with zero frame latency. In addition, the HT-TX1-WP2 has an integrated web server for remote IP control, 480Mbps USB 2.0 with directional control, and 1Gbps LAN.

Key Features

- Supports HDBaseT Spec 3.0
- 4K@60 4:4:4 18Gbps Uncompressed
- 100m (328ft) with Unshielded Cable
- Two HDMI® 2.0/HDCP 2.2
- Audio DSP & Dante™/AES67 Option 2 Channel
- ARC Audio Return Channel and ARC into Dante/AES67, an industry first!
- Operate & power both TX & RX from a single PoE switch port
- Auto Switching
- USB 2.0 Device/Host 480Mbps with selectable direction
- IP Port Expansion RS-232 & IR Control
- ReAX Control Option
- Available in white or black



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AC-EX100-UNC-KIT

HDBaseT 3.0 Transceiver Kit

Product Description

The AC-EX100-UNC-KIT is a 4K@60 4:4:4, HDR, and 18Gbps supported HDBaseT extender over a single CAT (6a recommended) UTP/STP up to 100m/328ft. This unique device transfers an entirely uncompressed signal from point-to-point, delivering the crispest connection and picture possible in HDMI extension. Each extender kit consists of two identical units with the ability to serve as either a transmitter or receiver unit via a togglable switch, eliminating the risk of installing the transmitter or receiver on the wrong end of the signal. Its robust feature set includes a USB host connection and hub allowing for bi-directional signaling from either end, enhanced audio return channel, gigabit Ethernet extension, total EDID management, downscaling, I-PASS, and more. Additionally, bidirectional IR & RS-232 allows for control of the sources from the sinks, or vice versa, while its unique voltage protection circuit (VPC) protects against wear and tear on the devices' internal electronics.

Key Features

- Supports HDBaseT Spec 3.0
- Zero latency uncompressed 4K@60Hz 4:4:4 up to 100m/328ft over standard Category 6a cable
- One Ethernet port (on each TCVR) for extending a LAN network (10/100/1000) 18Gbps
- Uncompressed full HDR Support (HDR 10 & 12 Bit) and HLG Support
- Dolby Vision Support
- Each device can act as TX or RX



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HEX18G-KIT

Advanced HDBaseT 3.0 Extender Set

Product Description

The HEX18G-KIT extender set is an industry leading uncompressed, unconverted, HDMI 2.0 4K@60Hz 4:4:4 HDCP 2.3/2.2 solution utilizing the latest in HDBaseT™ technology. The HEX18G-KIT supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision, resulting in the ultimate in picture quality for your critical viewing areas. The HEX18G-KIT supports bi-directional IR, RS-232, and PoC up to lengths of 100m/328ft over a single CAT6a cable.

Key Features

- Supports HDBaseT Spec 3.0
- Advanced uncompressed, unconverted, HDMI over HDBaseT™ technology, offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6a cable
- Supports HDMI 2.0 18Gbps specification including 4K@60Hz 4:4:4 UHD video
- Supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision
- Supports HDMI video distribution up to 100m/328ft
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- HDMI re-clocking on the HDBaseT™ receiver helps solve HDMI HDCP, compatibility and handshaking issues
- Supports all known HDMI audio formats including Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio transmission
- Bi-directional IR & RS-232 pass through
- Supplied with Blustream IR receiver and emitter
- Bi-directional Power over Cable (PoC) to power extenders from either the transmitter or receiver ends
- Supports for HDCP 2.3, HDCP 2.2 and HDCP 1.4



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HEX18GARC-KIT

Advanced HDBaseT 3.0 Extender Set

Product Description

The HEX18GARC-KIT extender set is an industry leading uncompressed, unconverted, HDMI 2.0 4K@60Hz 4:4:4 HDCP 2.3/2.2 solution utilizing the latest in HDBaseT™ technology. The HEX18GARC-KIT supports uncompressed distribution of the latest HDR resolutions, including HDR10/10+ and Dolby Vision, resulting in the ultimate in picture quality for your critical viewing areas. The HEX18GARC-KIT supports bi-directional IR, RS-232 and PoC up to lengths of 100m/328ft over a single CAT6a cable. The HEX18GARC-KIT also provides enhanced features including KVM, eARC via HDMI, or ARC via HDMI or Optical (S/PDIF), and 1Gb Ethernet pass through.

Key Features

- Supports HDBaseT Spec 3.0
- Advanced uncompressed, unconverted, HDMI over HDBaseT™, offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6a cable
- Supports HDMI2.0 18Gbps specification including 4K@60Hz 4:4:4 UHD video
- Supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision
- HDMI video distribution up to 100m/328ft
- 1x HDMI loop-out on HEX18GARC-TX for integrating local displays or cascading to multiple devices
- HDMI re-clocking on the HDBaseT™ receiver to help solve HDMI HDCP, compatibility, and handshaking issues
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports eARC from display via HDMI, and standard ARC from HDMI and Optical (S/PDIF) digital inputs
- Supports audio return to HDMI (eARC compatible), optical digital, and analogue L/R audio outputs (analogue output supports 2ch PCM only)
- Supports all known HDMI audio formats including Dolby Atmos, Dolby TrueHD, Dolby Digital Plus, and DTS-HD Master Audio transmissions
- USB 2.0 for KVM with speeds of up to 350Mbps
- Bi-directional Ethernet (1Gb), IR, & RS-232 pass through
- Supplied with Blustream IR receiver and emitter
- Bi-directional PoC to power extenders from either transmitter or receiver end
- Support for HDCP 2.3, HDCP 2.2 and HDCP 1.4



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C2G30555

HDMI HDBaseT 3.0 + USB-B to A and RS232 over Cat Extender Box Transmitter to Box Receiver Kit

Product Description

The HDMI® HDBaseT + USB-B to A and RS232 over Cat Extender (18Gbps) allows for the extension of a 4K HDMI source up to 100m/328ft to a 4K display without signal loss over a single, standard Cat 6a cable. This is an ideal solution where USB must be extended alongside HDMI video and audio to interactive whiteboards and displays, or in any installation that goes far beyond the length limitations of standard HDMI and USB cabling.

Additionally, the C2G30055 supports HDBaseT 5Play features, including the combined delivery of uncompressed ultra-high-definition digital video and audio, 1Gb Ethernet, control signals, USB 2.0, and up to 100W of power through a single, standard Cat 6a cable. The featured dip switch allows for RS232 pass-through and the added convenience of field firmware updating, USB 2.0 support for streaming cameras, connected peripherals, and data rates up to 350Mbps. With one-way Power over HDBaseT (PoH) support, one power adapter connected to the receiver powers both the transmitter and receiver, so no additional power adapter is required, allowing for greater flexibility in installations.

Key Features

- Supports HDBaseT Spec 3.0
- Extends full uncompressed 4K@60Hz 4:4:4 video and all audio formats, without signal degradation, over a single Cat 6a cable up to 100m/328ft
- Supports USB 2.0 standards, maximizing streaming cameras, connected peripherals, and data rates of 350Mbps
- Ethernet pass-through transmits 1GB of data
- Supports Power-over-HDBaseT (PoH)
- Supports HDBaseT 5Play
- Integrators can directly upgrade firmware on-site for the microcontroller unit (MCU) and HDBaseT chipset
- Integrators can utilize the USB ports to connect a streaming camera while maintaining 350Mbps of data transmission
- Mounting brackets included



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www.cablestogo.com



VEX-E2502T

UHD+ USB-C over HDBaseT Transmitter with USB KVM

Product Description

The VEX-2502T 4K UHD+ HDMI over HDBaseT transmitter uses HDBaseT 3.0, the newest generation of HDBaseT technology, for extending full bandwidth (18Gbps) HDMI 2.0, 4K@60Hz (4:4:4, 8-bit) video with HD audio via a single run of Cat 6a/7 cable over distances of up to 40 meters. Multiple control and data signals may also be transmitted along with the audio and video, including bi-directional IR, RS-232, USB 3.0, and Gigabit Ethernet. This transmitter is ideal for use in any video extension scenario, especially those where latency-free, uncompressed, high-resolution video is critical, such as medical installations, live conferences, and education.

Key Features

- Supports HDBaseT Spec 3.0
- HDMI 2.0 and DVI 1.0 compatible, HDCP 2.2 and HDCP 1.x compliant
- Supports Deep Color input and output up to 12-bit
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- 2 USB 3.0 Type-A device ports and 1 USB-C host port
- Selectable HDMI audio extraction/analog audio bypass functionality
- Supports providing PoH power from transmitter to receiver in the same HDBaseT port



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VEX-E2501R

UHD+ HDMI over HDBaseT Receiver with USB KVM

Product Description

The VEX-2501R receiver, complete with the latest generation HDBaseT 3.0 technology, is a great solution for extending uncompressed HDMI 2.0 4K@60 (4:4:4, 8-bit) video and HD audio as well as control via a single run of Cat 6a/7 cable over distances of up to 40 meters. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, and USB 2.0. This receiver is ideal for use in any video extension scenario, especially those where latency-free, uncompressed, high-resolution video is critical, such as medical installations, live conferences, and education.

Key Features

- Supports HDBaseT Spec 3.0
- HDMI 2.0 and DVI 1.0 compatible, HDCP 2.2 and HDCP 1.x compliant
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- HDBaseT feature support: HD Video and Audio, Bi-directional analog audio, and Control (bidirectional USB/IR/RS-232 pass-through)
- 2 USB 2.0 Type-A device ports and 1 Micro USB 2.0 host port
- Supports providing PoH power from transmitter to receiver in the same HDBaseT port



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VEX-E4701TR

UHD+ HDMI over HDBaseT Transceiver with USB KVM

Product Description

The VEX-E4701TR transceiver, complete with the latest generation HDBaseT 3.0 technology, is a great solution for extending uncompressed HDMI 2.0 4K@60 (4:4:4, 8-bit) video and HD audio, as well as Ethernet, and control via a single run of Cat 6a/7 cable over distances of up to 100 meters. Every transceiver can be configured to function as either a transmitter or a receiver, enhancing the flexibility of any installation. Multiple control and data signals may also be transmitted along with the audio and video, including IR, RS-232, USB 2.0, and 1000BaseT Ethernet. This transceiver is ideal for use in any video extension scenario, especially those where latency-free, uncompressed, high-resolution video is critical, such as medical installations, live conferences, and education.

Key Features

- Supports HDBaseT Spec 3.0
- HDMI 2.0 and DVI 1.0 compatible, HDCP 2.2 and HDCP 1.x compliant
- Supports up to 4K UHD+ (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output over both HDMI and HDBaseT
- Supports 10-bit and 12-bit HDR (High Dynamic Range) input/output
- HDBaseT extends video, audio and data over a single Cat 6a/7 cable and can reach distances up to 100m/328ft
- HDBaseT feature support: HD video and audio, Gigabit Ethernet, bi-directional PoH, bi-directional audio (optical and analog), and Control (bi-directional USB/IR/RS-232 pass-through)
- 2 USB 2.0 Type-A device ports and 1 USB 2.0 Type-B host port
- HDMI output functions as a local monitor when in transmitter mode



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EMCEE200

HDBaseT 3.0 Multiview Presentation Switcher

Product Description

EMCEE200 is a multiview presentation switcher with Picture-in-Picture (PIP) and Picture-Over-Picture (POP) capabilities. It can process up to four 4K@60 video sources with zero latency and gives “CONFIDENCE” and “PRESENT” HDMI outputs in different window layouts. With a built-in dual MIC mixer and a wide range of audio embedding and de-embedding options, EMCEE200 is a perfect companion for any type of presentation. EMCEE200 can not only record the presentation to an external storage device, but also provides USB 3.0 4K capture to stream live with no additional hardware.

HDBaseT expansion cards are also available for extending HDMI 2.0, bi-directional IR, USB 2.0, RS-232 and transmits PoE over a single CAT 6a cable via HDBaseT 3.0 up to 90 meters (295 ft).

Key Features

- Supports HDBaseT Spec 3.0
- 18G multiview switcher and scaler
- 4K@60 4:4:4 on all inputs and outputs
- Picture-In-Picture (PIP) and Picture-Over-Picture (POP) with Multiview
- Recording and 4K Soft codec support
- Dual MIC Mixer
- Audio embedding and de-embedding
- Confidence and Present Output with Splash Screen Support
- Built-in WEB Page with IR, RS-232, TCP/IP, and Telnet Control
- Amplifier Plugin Module Support
- Additional HDBaseT expansion pack available



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www.halltechav.com



EXP-HDBT3-TRX100 and EXP-HDBT3-RX100 **HDBaseT 3.0 Expansion Pack for EMCEE200**

Product Description

The TRX100 is an HDBaseT expansion card for use with the EMCEE200 presentation switcher. This expansion card adds an additional mirrored output to the EMCEE200. The TX100 extends HDMI 2.0, bi-directional IR, USB 2.0, RS-232 and transmits PoE over a single CAT 6a cable via HDBaseT 3.0 up to 90 meters (295 ft).

The RX100 is an HDBaseT receiver for use with the EX-HDBT3-TX100 when installed in the EMCEE200 presentation switcher. When connected to the TRX100, this receiver adds an additional mirrored output to the EMCEE200. The RX100 extends HDMI 2.0, bi-directional IR, USB 2.0, RS-232 and receives PoE over a single CAT 6a cable via HDBaseT 3.0 up to 90 meters (295 ft). A second HDMI input allows for additional connection of a local source device.

Key Features

- Supports HDBaseT Spec 3.0
- For use with the EMCEE200 multiview presentation switcher
- Extends HDMI 2.0, bi-directional IR, RS-232 and transmits/receives PoE over single CAT 6a cable via HDBaseT 3.0 up to 90 meters (295 feet)
- A second HDMI input allows for additional connection of a local source device



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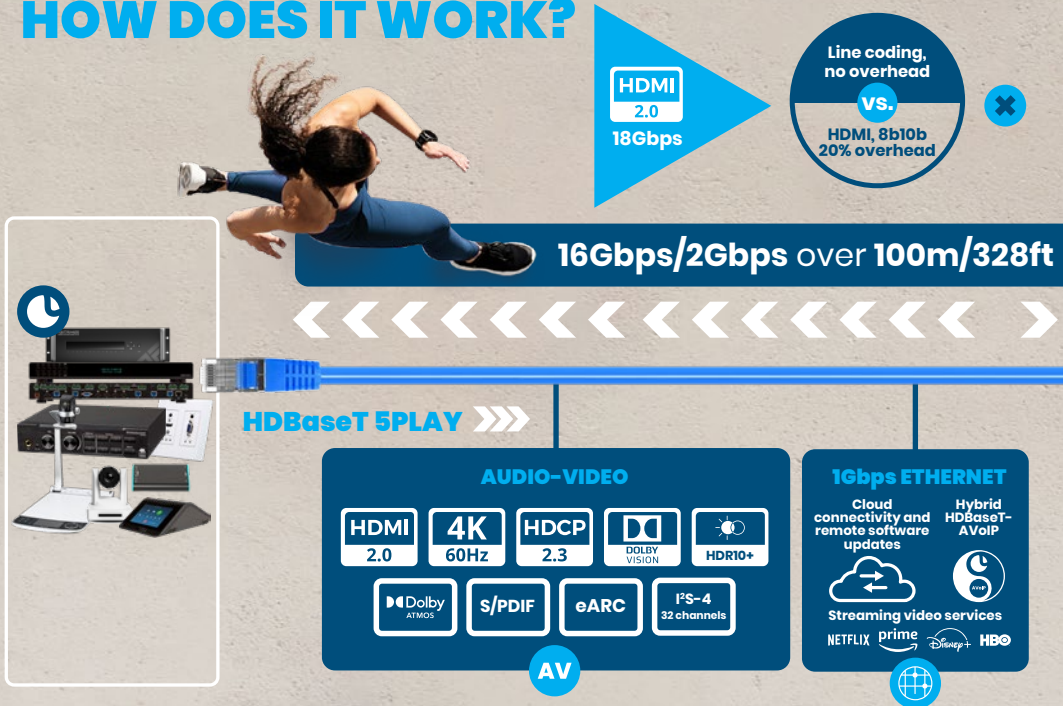


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HOW DOES IT WORK?



PLUG & PLAY



BACKWARD COMPATIBLE

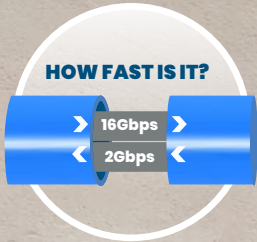


DAISY-CHAINING YOUR INSTALLATION

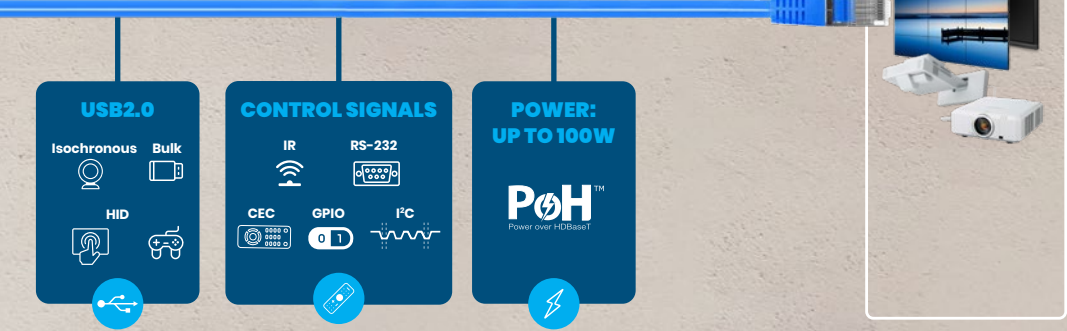


Learn More About HDBaseT Spec 3.0 at www.hdbaset.org

The ONLY long-distance AV distribution solution to support uncompressed HDMI 2.0 4K@60Hz 4:4:4, audio, 1Gb Ethernet, USB2.0, control and power



Cat-6a, Zero Latency



CONFIGURABLE HDBaseT PORT

Single SKU on TX or RX

TX < OR > RX

COST SAVINGS

REDUCED INVENTORY LEVELS



HDC-S01U-T

HDBaseT 3.0 Transmitter

Product Description

The HDC-S01U-T is an HDBaseT transmitter for sending HDMI signals up to 328 ft. (100 m) over a Category (CAT) cable without compression or processing. The HDC-S01U-T supports video signals at resolutions up to 4K@60 (4:4:4) and is HDCP 2.2 compliant. HDBaseT signal is encrypted robustly by copyright protection technology. Integrator-friendly features include bi-directional RS-232C and LAN communication, allowing control commands and status to be sent and monitored. Additionally, the HDC-S01U-T includes a local HDMI output connector for real-time video monitoring.

Key Features

- Supports uncompressed video transmission up to 100m/328ft (Cat 6a U/FTP AWG23)
- Up to 4K@60 (4:4:4)
- Up to 100m/328ft (Cat 6a U/FTP AWG23)
- LAN and RS-232C transmission
- No substantive transmission delay
- 1x2 DA (HDMI and HDBaseT)



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HDC-S01U-R

HDBaseT 3.0 Receiver

Product Description

The HDC-S01U-R is an HDBaseT receiver for HDMI signals up to 328 ft. (100 m) over a Category (CAT) cable without compression or processing.

The HDC-S01U-R supports video signals at resolutions up to 4K@60 (4:4:4) and is HDCP 2.2 compliant. HDBaseT signal is encrypted robustly by copyright protection technology. Integrator-friendly features include bi-directional RS-232C and LAN communication, allowing control commands and status to be sent and monitored.

Key Features

- Supports uncompressed video transmission up to 100m/328ft
- (Cat 6a U/FTP AWG23)
- Up to 4K@60 (4:4:4)
- Up to 100m/328ft (Cat 6a U/FTP AWG23)
- LAN and RS-232C transmission
- No substantive transmission delay
- 1x2 DA (HDMI and HDBaseT)



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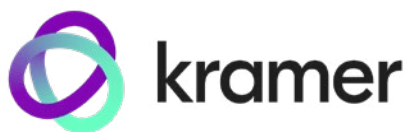


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TP-600TRxr

Long-Reach HDBaseT 3.0 Extender

Product Description

TP-600TRxr is a high-performance, long-reach HDBaseT 3.0 extender for 4K60Hz (4:4:4) HDMI, USB, Ethernet, RS-232, and IR signals over twisted pair, flexibly set as transmitter-side or receiver-side device. TP-600TRxr transmitter-side converts all input signals into the transmitted HDBaseT 3.0 signal.

TP-600TRxr receiver-side receives the HDBaseT 3.0 signal and converts it back into the original input signals. It extends video signals to up 100m (328ft) over CAT copper cables at up to 4K@60Hz (4:4:4) video resolution.

Key Features

- Supports HDBaseT Spec 3.0
- HDMI Signal Extension — HDCP 2.3, EDID and CEC
- Supports HDR10, deep color, x.v.Color™, lip sync, HDMI uncompressed audio channels, Dolby TrueHD, DTS-HD, 2K, 4K, and 3D as specified in HDMI 2.0.
- HDMI mirroring for connecting a local monitor or an additional unit in a daisy chain.
- USB 2.0 signal extension between the extender transmitter and receiver side
- Multi-channel Audio Transmission — Up to 32 channels of digital stereo uncompressed signals for supporting studio-grade surround sound.
- 1 Gbps Ethernet connectivity for LAN communication and device control.
- Bi-directional RS-232 Extension — Serial interface data flows in both directions, allowing data transmission and device control
- Bi-directional Infrared Extension — IR interface data flows in both directions, allowing remote control of peripheral devices located at either end of the extended line
- Cost-effective maintenance — status LED indicators for HDMI, Loop, HDBaseT, and USB active host ports, facilitate easy local maintenance and troubleshooting
- Easy and elegant installation — MegaTOOLS™ fanless enclosure for dropped-ceiling mounting, or side-by-side mounting of 2 units in a 1U rack space with the recommended rack adapter.



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www.kramerav.com



ConvertIP™ SRST HDBaseT/AVoIP IPMX-Ready Encoder/Decoder

Product Description

For businesses outfitted with HDBaseT installations, moving to new infrastructure can be complicated and costly. Matrox ConvertIP SRST enables you to scale existing HDBaseT network infrastructure—by integrating HDBaseT content into and from the IP network—without upgrading equipment or infrastructure. Based on open standards, Matrox ConvertIP SRST is designed to receive and transmit HDBaseT signals in a single standalone device. Featuring RJ45 and SFP28 ports, ConvertIP SRST is perfect for 1G or uncompressed workflows up to 25G—optimized for the best latency experience. The device can deliver Power over Ethernet through its RJ45 port, or it can be powered through an optional power supply unit, and support power redundancy when both power sources are used. You can configure the device through a convenient web user interface. Included at no extra cost is a Windows-based application for simplified discovery, updating, and routing of devices. With its quiet, fanless, ½ rack design, ConvertIP SRST can be used on a desktop, installed on a rack shelf, or mounted to a display.

Key Features

- Supports HDBaseT Spec 3.0
- Transmits zero latency uncompressed 4K@60Hz 4:4:4 over standard Category 6a cable
- Single HDBaseT I/O
- Dual media and control ports
- 1x SFP28 (10 GbE or 25 GbE connectivity)
- 1x RJ45 (1 GbE connectivity)
- 1/10/25 GbE interface
- RS232 device control
- Power redundancy through PoE+ or locking AC power connector (optional power supply cable sold separately)
- Optional bracket for VESA mounting behind monitors
- Optional 1 RU rack shelf that holds two appliances
- Fanless design for quiet cooling
- Based on AMWA NMOS



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www.matrox.com



MS TestPro 104

All-Inclusive HDBaseT Tester

Product Description

The MS-TestPro is the only HDBaseT tester that is all-inclusive, 100% reliable, portable and affordable, making it an indispensable tool for all installers and integrators. It provides AV professionals with all the information that they need while in the field to enable them to verify the integrity and stability of every system tested down to the last detail. Moreover, the MS-TestPro generates a report including all the parameters necessary to certify link quality and status up to 4K Ultra High Definition. The report can then be transferred to a computer or even to a smartphone for use by both installer and end-user.

Key Features

- Supports HDBaseT Spec 3.0
- Effortless and immediate testing of HDBaseT links of distances up to 300m/328ft
- HDBaseT monitoring and diagnostic functionality for a full overview of the links capability
- HDBaseT Spec 1.0 transmitter and receiver modules included
- Certification for 4K video in seconds
- 3.5" color LCD touch screen with stylus
- USB connectivity for downloading of certification reports
- Mains or battery powered – up to 4 hours use from a full charge
- Log testing of HDBaseT links for up to 24 hours
- Free log file analysis from an MSolutions professional
- In-built WiFi access point for remote testing capabilities from a mobile device
- Integrated HDMI test pattern generator
- HDMI EDID analyser
- In-built video guide & user manual
- IP65 rated shock-proof carry case
- Optional extension modules for testing: HDBaseT Spec 2.0, DC Resistance, HDMI Cable, AVoIP networks



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www.m4sol.com



EX0101-N628

HDBaseT 3.0 KVM Extender

Product Description

Featuring audio de-embedding, Ethernet, USB 2.0 and PoH, ProITAV's HDBaseT 3.0 Extender is a powerful extender able to transmit uncompressed HDMI 2.0 video up to 4K@60Hz 4:4:4 up to 100m/328ft over standard Category 6a cable. Designed for ease of use, the EX0101-N628 can be used as either a transmitter or receiver that can be switched over at any time. Its robust feature set also includes support for USB 2.0 and analog audio pass through with variable direction, local HDMI loop-out, and audio de-embedding at both ends. Additionally, the EX0101-N628 supports multiple control signal transmissions such as IR, RS232, and 1G/100Mbps network Ethernet pass-through. Furthermore, two-way PoC/PoH functionality is incorporated in the EX0101-N628's design, making for more streamlined and flexible installations.

Key Features

- Supports HDBaseT Spec 3.0
- Zero latency, uncompressed 4K@60Hz 4:4:4 up to 100m/328ft over standard Category 6a cable
- One unit can be set to a transmitter or a receiver
- Supports HDCP2.2 termination and conversion capabilities enhance video content security
- Supports USB 2.0 & analog audio pass through over HDBaseT
- Supports HDMI loop out for local display
- Supports multiple control signal, such as asbi-directional IR, RS232
- Supports 1G/100Mbps Ethernet pass through
- Supports audio de-embedding on transmitter and receiver
- Supports two-way PoC/PoH, power supply connected to TX or RX to power both units



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www.proitav.us

**neo:X³**

HDBaseT 3.0 Video & Audio Matrix

Product Description

Simple. Effortless. Uncompressed. The neo:X³ allows the distribution of completely uncompressed 4K@60Hz 4:4:4 up to 100m/328ft. for all resolutions up to 594MHz, including Dolby Vision. Its robust feature set, including audio breakout and Dolby Digital compliance, extends beyond the distribution of ultra-high-definition AV, including 100Mb Ethernet, multiple video control methods, and power delivery (PoH/PoE) over a single Category 6a cable. With top of the range audio features, plus control features that are compatible with most control systems, the neo:X³ really does it all. Plus, its performance is constantly checked through our Cloud Monitoring Portal, giving you peace of mind that your matrix is always working at its best. Available as Kit or Chassis Only.

Key Features

- Supports HDBaseT Spec 3.0
- Video and audio matrix
- 8x HDMI 2.0 inputs
- 8x HDBaseT 3.0 outputs
- 2x HDMI 2.0 outputs
- 10x audio output zones
- 4x audio input zones
- 8x neo:Ultra3 PoH receivers included in kit
- Built in Britain
- Five-year warranty



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www.pulse-eight.com

PT-PSW-21KVM

HDBaseT 3.0 KVM with USB 2.0 Extender Set

Product Description

A future-proof "even-more-in-one" solution designed for a wide range of application scenarios, thus reconciling the innovative with the cautious. The PT-PSW-21KVM offers the ability for two laptops of the old and new generation to be used alternately in a room, along with a charging option via USB power delivery. Alternatively, a stationary PC can be integrated parallel to the laptop workstation to accommodate different users. The diverse USB connection options allows for plenty of room for creativity, including quick integration of document cameras, ePTZ cameras, or storage media via simple plug-and-play connectivity at both locations, such as at the switcher itself and the HDBaseT 3.0 receiver, which can be installed up to 80 meters away. The whole system supports full 4K with 18Gbps, controls, and requires only one power supply thanks to PoC.

Key Features

- Supports HDBaseT Spec 3.0
- Switching from 1 HDMI / USB-C signal to 1 HDMI / HDBaseT output
- Supports 18Gbps for resolutions up to 4K UltraHD 60Hz
- Bi-directional PoC, dual symm. audio decoupling, and control functions
- 6x USB for KVM: 2 USB-A v3.2 on the switcher, 3 USB-A + 1 USB-C v2.0 on the receiver



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www.purelink.de



EVEXHDB3

Uncompressed 4K HDBaseT 3.0 Extender with eARC, KVM, and Ethernet

Product Description

With its ability to distribute lossless audio and video over long distances, Evolution by Vanco's new flagship model HDBaseT 3.0 extender is the ideal solution for any indoor or outdoor installation project. In addition to extending uncompressed and virtually latency-free AV content, the EVEXHDB3 is also equipped with ARC and eARC capabilities, KVM, bi-directional RS232 and IR control, plus the capability to embed and de-embed audio, making it a truly dynamic extender with a remarkably robust feature set.

Key Features

- Supports HDBaseT Spec 3.0
- HDMI 2.0b, HDCP 2.2 compliant
- HDR, HDR10, HDR10+, Dolby Vision and HLG pass through
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD pass through
- Transmission distance up to 328ft/100m via single CAT 6a/7 cable, up to 196ft/60m via single Cat6
- Supports eARC/ARC function (the audio is returned to the HDMI IN port, HDMI OUT(AUDIO ONLY) port and SPDIF OUT port of the transmitter)
- Supports SPDIF audio reverse transmission
- Bi-directional IR, RS-232, and 1G Ethernet signal pass through
- Supports USB 2.0 transmission, Host/Device is configurable
- Bi-directional 24V POC function



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www.vanco1.com

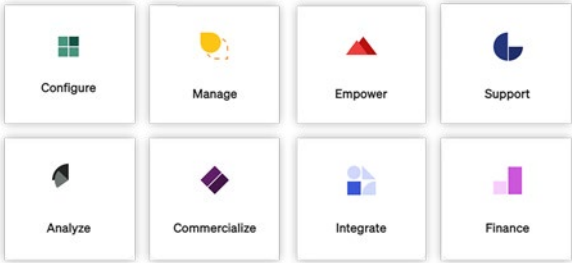
Workplace by XYTE

Connected Device Management Platform (CDMP)

HDBaseT supports remote deployment and monitoring of any HDBaseT device through XYTE's award-winning, no code, *Workplace by XYTE* cloud-based Connected Device Management Platform (CDMP). Featuring proactive monitoring capabilities, licensing management, firmware updates, remote configuration, and more, *Workplace by XYTE* enables system integrators and installers the ability to deploy and service their systems faster and more cost effectively, giving new meaning to what an HDBaseT experience can be for their customers.

One Platform to Turn Your Hardware into Services

From device management through advanced support capabilities all the way to subscription management – *Workplace by XYTE* is your one-stop shop for everything HaaS!



Innovative Commercial Models

- Create new services and revenue streams
- Build recurring revenue models
- Sell deeper into accounts with hardware, software, and support service bundles

Connected Administration

- Manage all your products and customer accounts in one place
- Connect unlimited devices to the cloud
- Manage users' and resellers' accounts through a robust access management layer

Customer Experience

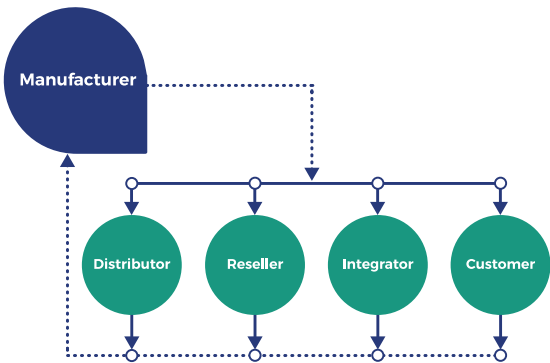
- Improve customer experience and reduce costs
- Proactively identify problems and accelerate resolutions
- Reduce onsite service costs with remote support

Enterprise-Ready HaaS Cloud Solution

Workplace by XYTE's vendor-agnostic approach brings strong value to integrators by extending management applications across more AV and IT devices, regardless of the device vendor or technology. Valens, the HDBaseT chipset manufacturer, has joined forces with XYTE to deliver broader diagnostic monitoring capabilities to HDBaseT manufacturers as well by incorporating the *Workplace by XYTE* platform in its latest HDBaseT Spec 3.0 evaluation kit.

A Boost to AV and IT Convergence for Manufacturers, Integrators, and End-Users

Workplace by XYTE's first-of-its-kind cloud platform bridges the gap between hardware devices and modern cloud applications. Manage and collaborate across your entire business ecosystem. Harness your data to build new products, services, and revenue models.



Built to the Highest Enterprise-Grade Standards

We are committed to keeping our customers' data secure. Hosted on Amazon Web Services (AWS), *Workplace by XYTE* implements the strictest security measures, and our team is constantly investing in security to stay up to date so you can rest assured that your data is kept safe.

For more information



www.xyte.io



HDBaseT Master Program

The HDBaseT Master Program is a free, online course designed to provide professional AV integrators and installers with the most updated, relevant, and useful information to support you in your HDBaseT installations. Receive a first-class education in the global standard for ultra-high-definition audio and video distribution, including the latest HDBaseT Spec 3.0, supporting the extension of uncompressed 4K@60 4:4:4 over a standard Category cable for up to 100m/328ft.

The HDBaseT Master Program is comprised of three comprehensive modules:

Module 1

INTRODUCTION & TECHNICAL INSIGHT

Gain a deeper insight and understanding of HDBaseT technology, its history, and its recommended practices.

Module 2

HDBaseT 5PLAY DEEP DIVE

Explore the foundation of HDBaseT technology's 5PLAY feature set, along with its capabilities across the evolving versions of HDBaseT.

Module 3

INTEROPERABILITY & SYSTEM DESIGN

Gain proficiency in the best practices for HDBaseT system design including product qualification, selection, cabling, and termination, as well as interoperability, and troubleshooting techniques.

With all-new products officially hitting the market supporting HDBaseT Spec 3.0, there's never been a better time to become an expert in the fully uncompressed potential of the technology's latest generation.



**Upon completion of all three modules of the program,
you will have earned:**

- An official HDBaseT Master certificate
- A free HDBaseT Master t-shirt
- 3 AVIXA CTS RU credits
- 3 CEDIA CEU credits



**To learn more about the HDBaseT Master
Program and register for the course visit
experts.hdbaset.org**

Send your 

experience into the metaverse with

The HDBaseT Uncompressed Adventure

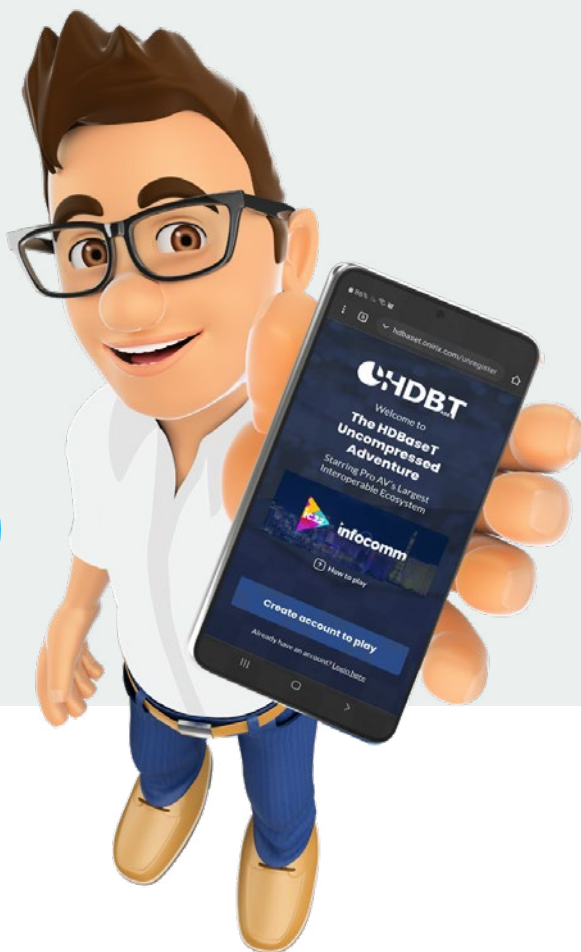
Getting in on the action is “plug-and-play” simple:

- 1** Scan the QR codes we've placed in our members' booths at the show to open the game on your phone's web browser.
- 2** Tap on all the augmented reality 3D HDBaseT logos that will magically appear on your screen to add points to your score - the more you collect, the better your chances of winning.
- 3** Winners will be announced on our LinkedIn page at the end of the show, so make sure you're following us to find out what you may be taking home!

That's It. Good Luck!



Scan to unlock
your first
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Connect with the HDBaseT ecosystem,
plus the chance win amazing prizes from:



and more!





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www.hdbaset.org