

BLUSTREAM

HDMI DISTRIBUTION WITHOUT COMPROMISE

Professional AV Solutions

2020 PRODUCT BROCHURE



Award Winning

AV DISTRIBUTION SOLUTIONS



Who are Blustream?

Blustream is the audio visual industry's award winning option for advanced HDMI distribution. Our products have been designed and engineered by a global team of AV specialists with over 50 years experience. Research highlighted the market need for an AV distribution brand that could deliver both industry leading performance and most importantly, reliability. This has resulted in Blustream developing a range of HDBaseT™, Video over IP and HDMI solutions that deliver seamless AV integration within any installation environment.

As an official HDMI adopter and HDBaseT™ alliance member, Blustream is firmly positioned at the forefront of this advanced technology. Through integration of the latest pioneering HDBaseT™ and Video over IP chipsets our engineers have developed the world's most innovative range of AV distribution products.



Global AV Distribution

Blustream now has 46 distributors in 30 countries, supported by a global network of sales, R&D, training and support offices.



Why choose Blustream?



UK based warehousing and product development



Products supported by a 2 year warranty (extended warranty available)



Industry leading support processes with no quibble advanced replacement policy



Next day delivery available throughout EMEA



Industry leading training and technical support services



Fully accredited licensee of HDMI, HDBaseT™, Dolby®, DTS™ and Dante® technology platforms



Extensive roadmap for product development



Driver integration available for all major third party control systems



Key player in the rapidly evolving Video over IP platform



Web GUI & App control available on the majority of matrix and IP systems

SEAMLESS AV DISTRIBUTION



About HDBaseT™

Blustream products have an unrivalled ability to seamlessly distribute AV signals throughout your smart home or commercial premises. Utilising the latest HDBaseT™ chipsets, our engineers have developed pioneering solutions that push the boundaries of performance whilst maintaining ultimate reliability.

HDBaseT™ is the revolutionary technology that enables AV and control signals to be distributed over long distances around a property. The following lists all the integrated signals that can be distributed by HDBaseT™ over a single CAT cable network.

1. Video - 4K UHD video up to 18Gbps (4K 60Hz 4:4:4)
2. Audio - Any standard digital audio format including Dolby Atmos and DTS:X
3. Control - Various control signals including 2-way IR, CEC and RS-232
4. Ethernet - Expand wired internet coverage throughout the home
5. Power over Cable (PoC) - Deliver power directly to HDBaseT™ transmitter or receiver product, removing the need for additional power supplies



SUITABLE FOR A RANGE OF Commercial Applications

Seamless integration for huddle and meeting spaces

Blustream have a range of solutions that integrate HDMI, DisplayPort™, USB-C, VGA and microphone input with audio mixing.

These signals can then be distributed via HDMI or HDBaseT™. With the added ability of matrix video outputs, audio breakout and volume control, Blustream presentation switchers make AV integration easy within any boardroom or classroom environment.



Deliver the ultimate entertainment experience

Blustream products make it simple to distribute AV signals to multiple displays. Utilising a single CAT6 cable infrastructure, our solutions transmit 4K resolutions to multiple displays with ease.

Blustream products offer unrivalled levels of performance and reliability. Our products have all been tested and approved for compatibility with all recognised manufacturers of TV displays and AV hardware.



UNDERSTANDING THE Technology



The 4K data rate varies depending on the requirement for differing frame rates, colour depths, and colour gamuts. 4K 60Hz 4:2:0 requires 10.2Gbps of data transfer capability.



The 4K data rate varies depending on the requirement for varying frame rates, colour depths, and colour gamuts. 4K60 4:4:4 requires the full 18Gbps data transfer speed required to get the very best 4K image across your system.



When an audio signal is converted from the analogue to the digital domain, it has to be sampled to convert the analogue wave to digital data. 192kHz is an example of a very high sample rate for excellent audio reproduction.



Audio Return Channel (ARC) works by transmitting the audio signal the opposite way down a HDMI cable, connecting your display directly to an amplifier for better sound reproduction.



The audio from a digital AV source, such as a HDMI, DisplayPort or USB-C device, can be extracted from the AV data to connections for use with external products such as audio distribution systems, amplifiers and mixers.



Audio Delay can slow the delivery of certain audio on specific connections. Sometimes it may be necessary to delay an audio signal to be in sync with a video signal taking an alternate path through a system.



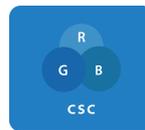
Down-mixing is a process where multichannel audio signals such as Dolby / DTS are converted to a standard two channel stereo signal. Combining multiple audio channels onto two channels for stereo devices to be able to use.



Audio signals to be routed through a distribution system independently of other signal types. Giving users the option to maintain or fix a route, regardless of other signals routing.



Upon detection of a trigger, a product can automatically select the input on which the trigger is activated. A product can trigger on the detection of HDMI 5V and swap to this HDMI input when a video source is connected.



Colour Space Conversion reduces the data rate of a HDMI signal by converting the colour space from 4:4:4 or 4:2:2 to a lower format. This gives the ability to transfer resolutions with data speeds up to 18Gbps over HDBaseT™.



DisplayPort shares many features with HDMI, such as 4K video support, and is common on some manufacturers laptops / computers.



With Blustream Multicast systems that make use of an ACM200 Advanced Control Module, Drag and Drop TV provides a simple, graphical way to control a Blustream Multicast Video over IP system.



When a digital AV source is connected to a digital input, EDID information is exchanged between devices to enable maximum compatibility. This information can be controlled to gain desired behaviours from video source devices.



HDBaseT™ transmits converged uncompressed full HD digital video, audio, 100 BaseT Ethernet, Power-over-Ethernet and various control signals through a single Cat5e / 6 / 7 cable over distances of up to 150 metres.



HDCP 2.2 is the next generation of copy protection required to allow the playback of the latest 4K source media.



Released in September of 2013, the HDMI 2.0 specification is a list of features that HDMI 2.0 product can or should have. The most significant of which was the increase to 18Gbps of bandwidth for AV signals.



HDR (or High Dynamic Range) expands the ability of a display to show a wider and richer range of colours, much brighter whites, and much darker blacks.



Where a Blustream product has the ability to learn, store and send out an infrared control code, the product can be used to learn the IR signal from the original remote control.



Consumer Electronic Control commands can be used to operate some HDMI TV's and source devices. These control commands are sent over a HDMI or HDBaseT™ connection to the device, with no need for additional control cabling.



KVM (Keyboard, Video, Mouse) allows for a USB connection through the existing video / audio infrastructure to allow for USB control of a PC / CCTV NVR from a remote location.



Local Area Network can be passed along or through certain Blustream product, usually at 10/100 speeds. Allowing a home or business network to be extended over the same category cable in use for HDBaseT™ for example.



Pre-amp line level volume control allows for the volume of an audio output to be altered using the Web GUI or serial commands for the associated product.



Some Blustream HDBaseT™ product equipped with the latest HDBaseT 2.0 chipsets can extend 1080p video up to 150m by being placed in Long Range Mode.



Microphone inputs on Blustream product support MIC or line level signals, as well as 48V phantom power. Perfect to allow a wide range of microphone hardware and subsequent audio to be integrated directly into the product.



Picture in Picture allows for a secondary source to be overlaid onto a primary video feed enabling the user to watch simultaneous feeds on one screen.



Blustream extenders and matrices feature PoC. This feature allows you to power the remote HDBaseT™ transmitters or receivers via the CAT cable, removing the need for multiple power supplies.



Power over Ethernet is the delivery of a power supply to a network connected device via the same cable it uses for its Ethernet data connection.



RS-232 signals to be routed through a distribution system independently of other signal types. Giving users the option to maintain or fix a route, regardless of other signals routing.



When changing between inputs on a product, such as HDMI, Displayport™ or USB-C; switching of the video on screen is instant with no flashing or loss of picture between the video being switched from and the video being switched to.



Infrared signals to be routed through a distribution system independently of other signal types. Giving users the option to maintain or fix a route, regardless of other signals routing.



Where a 1080p or 4K 60 4:2:0 screen is detected, a 4K 60 4:4:4 video signal is automatically downscaled to the appropriate matching resolution.



Blustream tiling product is able to take multiple video inputs and overlay them onto a display in any arrangement.



USB-C is a port type that can carry video signals from a device such as laptop or mobile phone equipped with the connector. It shares video features with HDMI and DisplayPort™.



Video over IP - distribute resolutions up to 4K HDR over an IP infrastructure with visually lossless reproduction, minimal latency, fully flexible I/O structure, and virtually limitless cabling distances.



A 1080p AV signal can be returned from a HDBaseT™ receiver device to a HDBaseT™ transmitter device using the HDBaseT™ 3.0 specification.



Our video scaling products allow for systems with differing video resolution screens to be sent the required signal to show the very best output.



A combination of multiple screens can be made into an array for the viewing of one large media image across multiple screens.



The new Blustream products feature a Graphical User Interface via an in-built web-server. This feature allows users to set-up and control their matrix from a mobile device or computer connected to the same network.



Where a product supports Apple Airplay or Miracast, a user is able to wirelessly connect a compatible device to display its output. Most common on mobile devices. Enabling screen sharing without the need for a cable.



Many of our products require zero processing time for a video / audio signal to be distributed through an extended infrastructure.

A New Age

OF VIDEO DISTRIBUTION

4 K U H D V I D E O O V E R I P



BLUSTREAM →
MULTICAST

Perfect for Complex Residential & Commercial AV Installations

Matrix distribution
with unlimited configuration options
(Requires 1GB network switch)

Video wall presentation
(Requires 1GB network switch)

MULTICAST UHD
OPERATIONAL MODES

One-to-one
HDMI extender
(No network switch required)

One-to-many
HDMI distribution
(No network switch required)



IP200UHD-TX/RX - 4K UHD Video Over IP

Multicast UHD from Blustream delivers virtually latency free distribution of HDMI video over a 1Gb Network switch. Using visually lossless compression technology, Multicast delivers HDMI, IR, RS-232, USB / KVM, and CEC up to lengths of 100m over a single CAT cable. The beauty of Multicast is its flexibility and ease of installation. The industry has been requesting a video over IP solution that can be installed in minutes and without the need for any networking qualifications. Multicast UHD has been developed in line with these objectives and is delivering a new era in advanced video distribution.

Key Features

- ➔ IP200 hardware features USB / KVM distribution and audio breakout on the transmitter
- ➔ 'Quick set-up wizard' which allows basic product installation and configuration in just seconds without the need of a computer or configuration software
- ➔ No need for knowledge of networks or creating VLAN's
- ➔ Product supports 4K UHD, including HDR up to lengths of 100m
- ➔ Virtually latency free (1 frame) delivering flawless quality
- ➔ Built-in video scaler in the Multicast receiver allows each display to playback its optimal quality video

ACM200 - Advanced Control Module

The ACM200 includes a web interface for control and configuration of the Multicast system and features Drag and Drop TV source selection with video preview and independent routing of Video, Audio, IR, RS-232, USB / KVM, and CEC. Pre-built Blustream product drivers simplify Multicast product installation and negate the need for an understanding of complex network infrastructures to gain control.



Key Features

- ➔ Web interface for configuration and control of the Blustream Multicast system
- ➔ Intuitive Drag and Drop TV source selection with video preview feature for active monitoring of system status
- ➔ Advanced signal management for independent routing of Video, Audio, IR, RS-232, USB / KVM, and CEC
- ➔ Auto system configuration
- ➔ RS-232 integration for control of Multicast system
- ➔ IR integration for control of Multicast system
- ➔ 3rd Party drivers available for major control brands



Drag and Drop TV is the visually simple and practical way to control your **Multicast UHD** over IP system. With virtually no set up or configuration required its the easy way to deliver intuitive switching control without the added cost of a dedicated control system.

- ➔ Available from any device connected to the network that has a web browser
- ➔ Preview display showing live screen grabs of the HDMI signal



HDBT™ SUPPORTING 4K 18Gbps 60Hz 4:4:4



HMXL44CS-KIT - 4x4 HDBaseT™ Matrix Kit

70m HDBaseT™ Matrix Kit Supporting 4K 60Hz 4:4:4 (40m) - Includes 4 x HDBaseT™ Receivers

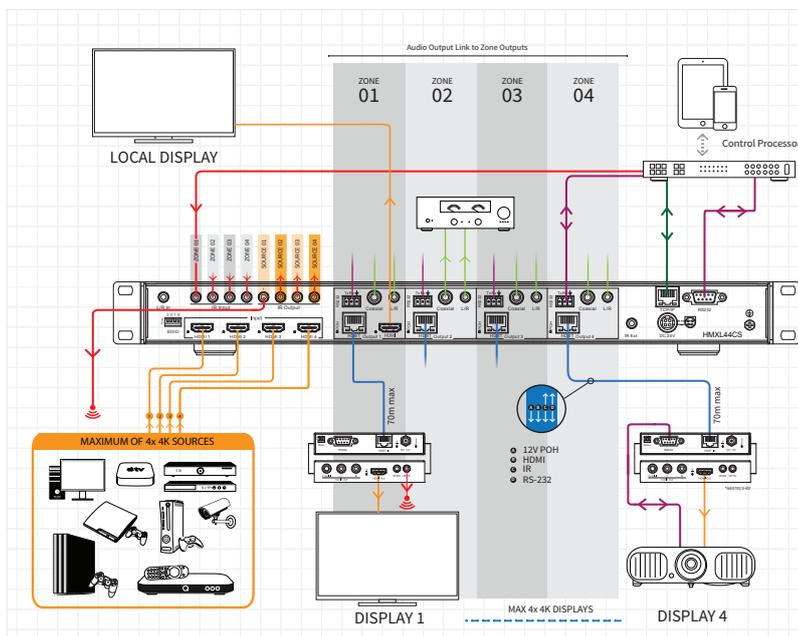
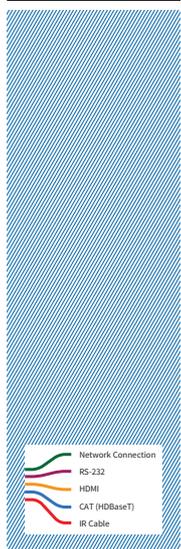
Key Features

- ➔ Advanced HDBaseT™ technology offering CSC with zero latency
- ➔ Features 4x HDMI inputs which can be independently routed to 4x HDBaseT™ outputs
- ➔ Output 1 features simultaneous HDMI and HDBaseT™ output
- ➔ HDBaseT™ output 1 features auto 4K scaling to a lower 4K format or 1080p where a legacy screen is detected
- ➔ Supports bi-directional IR on all HDBaseT™ outputs
- ➔ Supports PoC (Power over Cable) to power supplied HDBaseT™ receivers
- ➔ Extends HDMI up to a distance of 70m over single CAT cable
- ➔ Supports 4K UHD video up to 40m (3840x2160 @60Hz 4:4:4)
- ➔ Supports 4K UHD video up to 40m (3840x2160 @60Hz 4:2:2 including HDR)
- ➔ HDCP 2.2 compliant
- ➔ Web interface module for control and configuration of Matrix
- ➔ Advanced EDID management
- ➔ 3rd Party drivers available for all major control brands



BLUSTREAM

Example Schematic
HMXL44CS-KIT



HDMI 2.0	HDCP 2.2
HDBT	4K 60Hz 4:4:4
HDR	HD AUDIO
AUDIO BREAKOUT	R G B CSC
PoC	EDID
➔ UP TO 70m 1080p	➔ UP TO 40m 4K 60Hz 4:4:4

HDBaseT™ CSC Extender Set

HDBaseT™ Extender Set Supporting HDMI 2.0 4K 60Hz 4:4:4

Models & Description

HEX70CS-KIT	70m HDBaseT™ Extender Set Supporting 4K 60Hz 4:4:4 (40m)
HEX100CS-KIT	100m HDBaseT™ Extender Set Supporting 4K 60Hz 4:4:4 (70m)



4K
60 Hz 4:4:4

HDR

AUDIO
BREAKOUT

CSC

UP TO
40m
4K 60Hz 4:4:4

HEX70CS-KIT

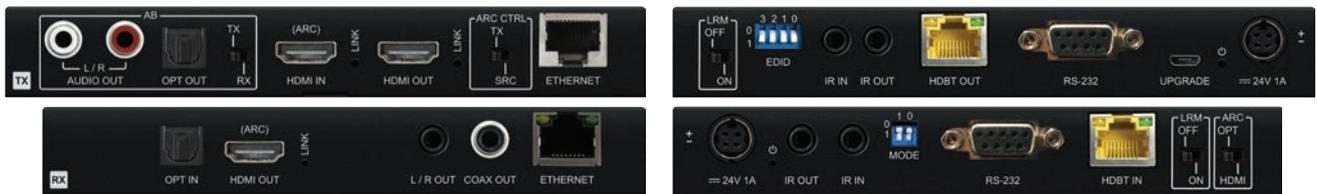
UP TO
70m
4K 60Hz 4:4:4

HEX100CS-KIT

Our HEX70CS and HEX100CS extender kits offers market leading features and outstanding value utilising CSC Technology. These products extend HDMI, Bi-directional IR & RS-232 and Bi-directional PoC (Power over Cable) up to lengths of 100m (4K to 70m) on the HEX100CS and 70m (4K to 40m) on the HEX70CS. The Transmitter includes a HDMI loop-out for integrating local displays or cascading to multiple devices. The Receiver features simultaneous analogue stereo and digital coax audio breakout.

HEX150CS-KIT - HDBaseT™ CSC Extender Set

150m HDBaseT™ Extender Set Supporting 4K 60Hz 4:4:4 (100m)



4K
60 Hz 4:4:4

HDR

CSC

UP TO
100m
4K 60Hz 4:4:4

The HEX150CS-KIT extender set is an industry leading 4K HDMI 2.0 HDCP 2.2 solution that uses the latest HDBaseT™ technology to deliver full 18Gbps HDMI signal with support for 4K 60Hz 4:4:4, Bi-directional IR, RS232 and PoC (Power over Cable) up to lengths of 150m (100m at 4K) over a single CAT cable using advanced CSC Technology. The HEX150CS-KIT also provides enhanced features including HDMI loop-out on the Transmitter, ARC via HDMI or Optical (S/PDIF) and 10/100BaseT Ethernet pass-through.

HSP14CS - 4-Way HDBaseT™ CSC Splitter

70m (4K 60Hz 4:4:4 up to 40m), Audio Breakout, EDID Management and HDMI Loop-out



4K
60 Hz 4:4:4

HDR

CSC

UP TO
40m
4K 60Hz 4:4:4

Our HSP14CS 4K HDBaseT™ CSC splitter distributes a single HDMI 2.0 4K 60Hz 4:4:4 source to four simultaneous HDBaseT™ outputs. It transmits HDMI, Bi-directional IR and PoC up to lengths of 70m (40m 4K 60Hz 4:4:4) over a single CAT cable. The 4-Way splitter also features audio breakout, EDID management and HDMI loop out for integrating local displays or cascading to multiple devices.

It's Time to Rethink the Audio Visual Matrix

**NEW
PRODUCT**



Custom Pro HDBaseT™ Matrix - Supporting 4K 18Gbps

The Custom Pro Matrix achieves new levels of both performance and flexibility. AV installers can now easily specify their desired I/O structure and choose the additional control features required for a specific project. The Custom Pro Matrix has been specifically designed to operate in challenging AV environments. Its robust housing and interlocking board configuration make both installation and maintenance a seamless experience. Advanced optional features include audio breakout with pre-amp variable line-level control, simultaneous HDBaseT™ / HDMI outputs, RS-232 pass through and a web browser interface module for control and configuration of the matrix.



Key Features

- ➔ 2-Way and 4-Way interchangeable input & output boards
- ➔ Optional control boards; IR Routing, Audio Breakout, RS-232
- ➔ HDBaseT™ specifications include 4K 60Hz 4:4:4 and HDR capabilities
- ➔ HDCP 2.2 compliant
- ➔ Pre-configured Pro Matrix models available
- ➔ 8x8 and 16x16 chassis available

Custom Pro Matrix - Input Boards - Supporting 4K 18Gbps

NEW	PRO-IN2H2TCS	4-Way HDMI 2.0 & HDBase™ CSC Input Board
	PRO-IN2H2V	4-Way HDMI 2.0 & VGA Input board
	PRO-IN2HAB	2-Way HDMI 2.0 Input board with Audio Breakout
	PRO-IN4HAB	4-Way HDMI 2.0 Input board with Audio Breakout

Custom Pro Matrix - Output Boards - Supporting 4K 18Gbps

PRO-OUT2H-V2	2-Way HDMI 2.0 Output board
PRO-OUT4H-V2	4-Way HDMI 2.0 Output board
PRO-OUT2TCS	2-Way HDBase™ (100m) Output board (supports 4K 60Hz 4:4:4 & HDR to 70m)
PRO-OUT4TCS	4-Way HDBase™ (100m) Output board (supports 4K 60Hz 4:4:4 & HDR to 70m)
PRO-OUT4HTCS	4-Way HDBase™ (100m) / HDMI 2.0 Output board (supports 4K 60Hz 4:4:4 & HDR to 70m)
PRO-OUT2TL-V2	2-Way HDBase™ (70m) Output board (supports 4K 60Hz 4:4:4 & HDR to 40m)
PRO-OUT4TL-V2	4-Way HDBase™ (70m) Output board (supports 4K 60Hz 4:4:4 & HDR to 40m)
PRO-OUT4TLS-V2	4-Way HDBase™ (70m) / HDMI 2.0 Output board (supports 4K 60Hz 4:4:4 & HDR to 40m)



PRO-OUT4TCS
4-Way HDBase™ / HDMI Output Board (4K 40m)

Custom Pro Matrix - Chassis

CUSTOMPRO-HUB	Custom Pro Matrix Hub 8x8
NEW	CUSTOMPRO-HUB16 Custom Pro Matrix Hub 16x16

Custom Pro Matrix - Feature Boards

PRO-8IR-V2	8-Way IR Control Board (8x8 chassis only)
PRO-8ABV	8-Way Audio Breakout Board with Line Level Volume Control

HDMI 2.0

HDBase™

4K
60 Hz 4:4:4

HDR

AUDIO
BREAKOUT

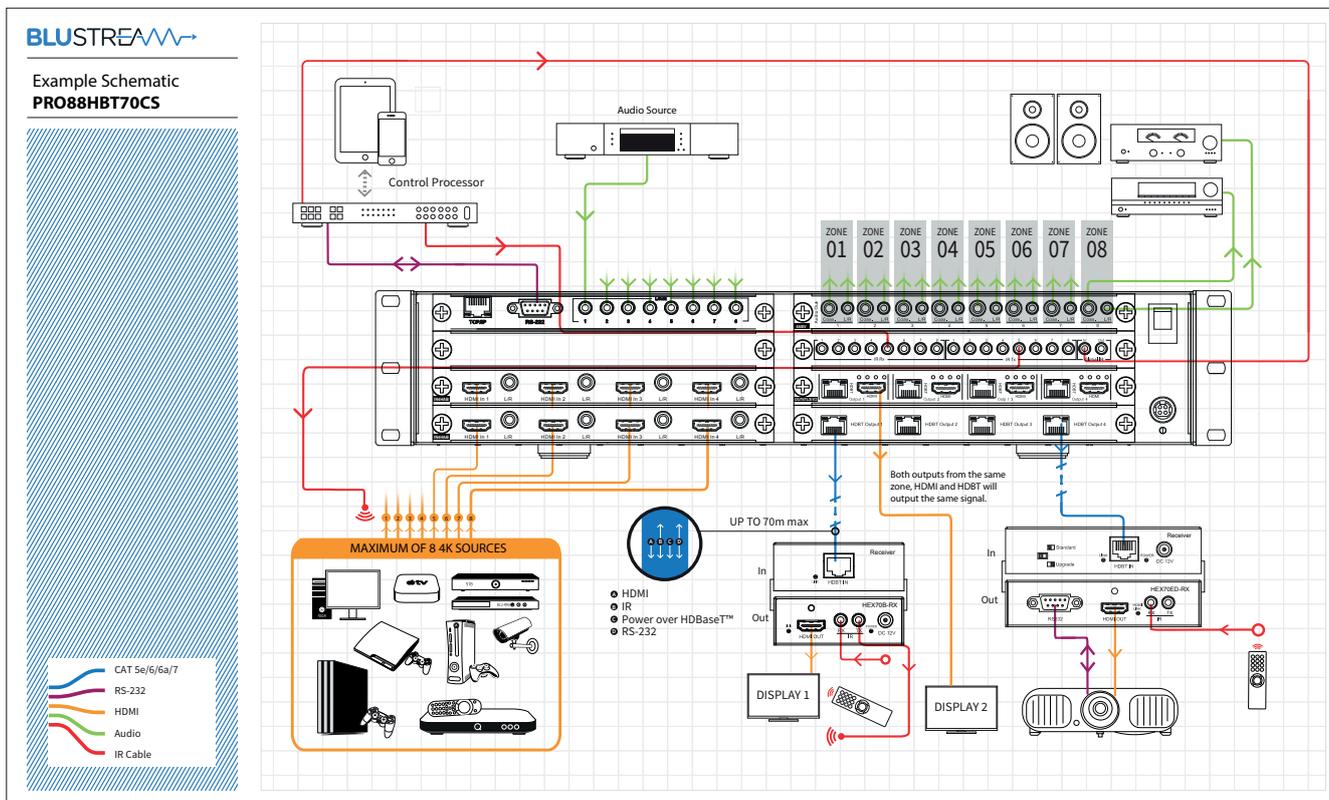
EDID

R
G
B
CSC

UP TO
100m
1080p

UP TO
70m
4K 60Hz 4:4:4

Example Schematic - 8x8 Custom Pro Matrix Installation



HMXL44-KIT-V2 - 4x4 HDBaseT™ Matrix Kit

70m (4K up to 40m), Bi-directional IR & RS-232, PoC, Simultaneous HDMI + HDBaseT™ Outputs, Audio Breakout with Pre-amp Variable Line-level Control, RS-232 & TCP/IP Control, HDCP 2.2 Compliant, includes 4 x HDBaseT™ Receivers



The HMXL44-KIT-V2 is a 4K HDCP 2.2 compliant 4x4 matrix package, delivering HDMI, Bi-directional IR and PoC up to lengths of 70m over a single CAT cable. The matrix also provides advanced features including audio breakout with pre-amp variable line-level control, simultaneous HDBaseT™ / HDMI outputs, RS-232 pass through to enable 3rd party control of displays and web interface module for control and configuration of the matrix. The HMXL44-KIT-V2 is supplied with 4 x HEX70ED receivers.



HMXL88-V2 - 8x8 HDBaseT™ Matrix

6 x 70m (4K up to 40m) HDBaseT™ Outputs + 2 x HDMI Outputs, Bi-directional IR, PoC, RS-232, IR & TCP/IP Control, HDCP 2.2 Compliant, Web GUI

Models & Description

HMXL88-V2	8x8 HDBaseT™ 4K Matrix, HDCP 2.2, Web GUI
HMXL88	8x8 HDBaseT™ 4K Matrix, HDCP 1.4
HMXL66	6x6 HDBaseT™ 4K Matrix, HDCP 1.4



Our Essential 8x8 HDBaseT™ Matrix offers unprecedented performance and value for the custom installation market. The HMXL88-V2 is a 4K HDCP 2.2 8x8 matrix with a combination of 6 x HDBaseT™ and 2 x independent HDMI outputs. This allows for cost effective integration of local displays and AV receivers within an installation. The matrix delivers HDMI, Bi-directional IR and PoC up to lengths of 70m (at 1080p) over a single CAT cable. The matrix features a web interface module for control and configuration and can also be seamlessly controlled by 3rd party control systems via RS-232 or IP.



**NEW
PRODUCT**

DA44AU

4x4 Dante® Audio Converter



- ➔ Features 4 x analogue audio input channels that are converted to a Dante® compatible signal
- ➔ Features conversion of Dante® signals to 4 x analogue audio output channels
- ➔ Analogue audio inputs support both balanced and unbalanced audio & MIC line level signals
- ➔ MIC line level supports 48V Phantom power

DA11AU

2ch Analogue Audio to Dante® Converter

**NEW
PRODUCT**



- ➔ 2 x mono or 1 x stereo analogue audio (balanced or unbalanced) input to Dante® converter
- ➔ Supports 44.1, 48 & 96kHz sample rates @ 24-bit with AES67 RTS audio transport

DOLBY & dts
OFFICIAL
Licensed Partner

**NEW
PRODUCT**

HD12DB - HDMI Audio De-Embedder

Dolby® / DTS™ Down Mixing DAC 2-Way HDMI Splitter & Scaler 4K 60Hz 4:4:4



Our HD12DB has been designed to convert and downmix embedded Dolby® or DTS™ 5.1ch audio within a HDMI signal into a stereo 2ch signal available on HDMI, optical and analogue audio outputs. The HD12DB features a HDMI loop-out to pass the original video and multi-channel embedded audio signal to compatible equipment, with a second HDMI output with video down-scaling of up to 4K 60Hz 4:4:4 video to various lower resolution video formats.

- ➔ Features an in-built DAC (Digital to Analogue audio Converter) that converts Dolby® or DTS™ 5.1 to a stereo 2ch signal available on HDMI, optical and analogue audio outputs
- ➔ Features 1x HDMI input supporting 4K UHD video (4K 60Hz 4:4:4) that is replicated to 2 x HDMI outputs
- ➔ HDMI loop out will replicate the HDMI video and audio input signal up to 4K 60Hz 4:4:4 and 5.1 Dolby® & DTS™ audio
- ➔ HDMI audio breakout to analogue L/R audio and optical digital outputs concurrently





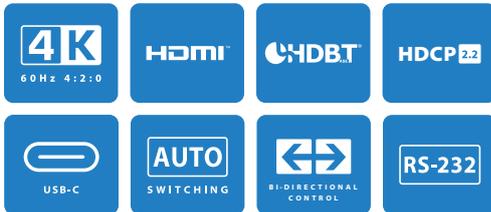
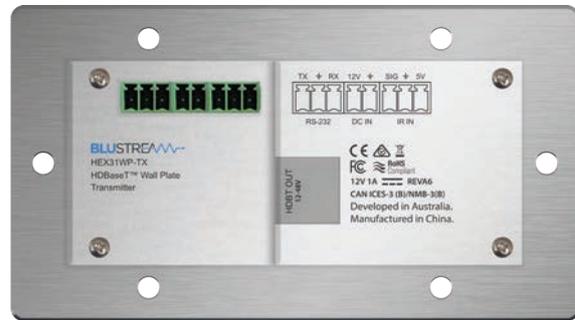
Wall Plate Transmitters



HEX31WP-TX - 2 x HDMI & 1 x USB-C Wall Plate HDBaseT™ Transmitter

NEW PRODUCT

AV and IR up to 70m (4K up to 40m), Manual / Auto Source Switching, Advanced EDID Management

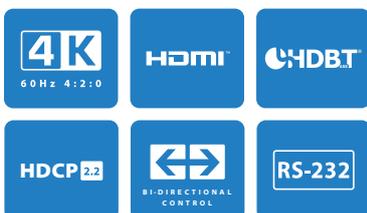
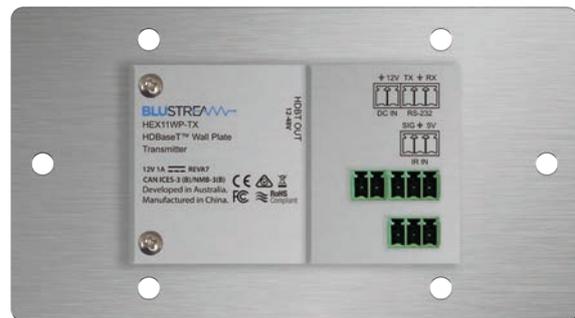


- ➔ Features 2 x HDMI & 1 x USB-C inputs with manual / auto source selection
- ➔ Programmable on / off macro feature utilising IR, RS-232 or CEC for control of display device at HDBaseT™ RX
- ➔ Extends 4K to 40m, 1080p to 70m
- ➔ Fits UK / EU double gang back boxes

HEX11WP-TX - HDMI Wall Plate HDBaseT™ Transmitter

NEW PRODUCT

AV and IR up to 70m (4K up to 40m)

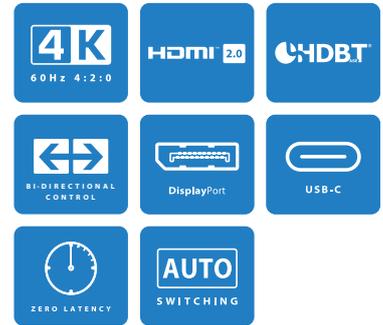


- ➔ Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable
- ➔ Supports RS-232 and IR pass-through to HDBaseT™ receiver / matrix device
- ➔ Extends 4K to 40m, 1080p to 70m
- ➔ Fits UK / EU double gang back boxes

**NEW
PRODUCT**

HEX70HDU-KIT - Multi-Format HDBaseT™ Extender Set

70m (4K up to 40m), Switchable HDMI, DisplayPort™ and USB-C inputs with Auto Signal Sensing, Local HDMI Input on RX, Bi-directional IR & RS-232, Bi-directional PoC & Web GUI



- ➔ Features 1 x HDMI, 1 x USB-C and 1 x DisplayPort™ input on the HDBaseT™ Transmitter with manual or auto source selection
- ➔ Supports 4K 60Hz 4:4:4 UHD video up to 40m. Extends 1080p video up to 70m

HEX100ARC-KIT-V2 - HDBaseT™ Extender Set

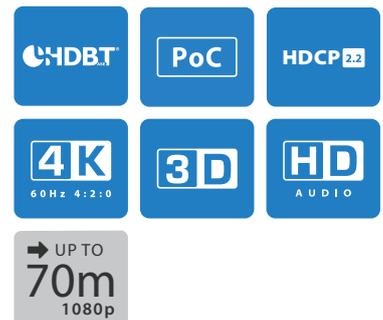
100m (4K up to 70m), Bi-directional IR & RS-232, Bi-directional PoC, HDMI Loop-out, Audio Breakout, ARC, 3 x LAN Switch and supports HDCP 2.2



- ➔ Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- ➔ Supports 4K UHD video up to 70m

HEX70B-KIT - HDBaseT™ Extender Set

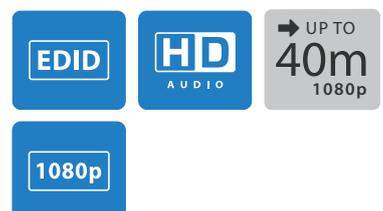
70m (4K up to 40m), Bi-directional IR, Bi-directional PoC



- ➔ Extends HDMI up to distances of 70m over single CAT cable
- ➔ Supports 4K UHD video up to 40m
- ➔ HDCP 2.2 compliant

EX40B-KIT - HDMI Extender Set

Our Slim-Line EX40B-KIT HDMI™ extender set offers HDMI distribution over a single CAT cable at outstanding value. The product delivers HDMI & Bi-directional IR up to lengths of 40m at 1080p and 50m at 1080i.



**NEW
PRODUCT**

AMF42AU - 4x2 Advanced Multi-Format Presentation Switcher

3 x HDMI, 1 x USB-C inputs / 2 x HDMI, 1 x HDBaseT™ Output, Seamless Switching, Video Scaling, MIC Input with Phantom Power, Audio Mixing & Web GUI



- ➔ Features 3 x HDMI 2.0 and 1 x USB-C inputs which can be seamlessly switched to 2 x HDMI 2.0 / HDBaseT™ outputs
- ➔ Advanced audio features include: MIC input with 48V phantom power, line level volume control and audio mixing
- ➔ Supports resolutions up to 4K UHD 60Hz 4:4:4
- ➔ HDCP 2.2 compliant with advanced EDID management
- ➔ 3rd Party drivers available for all major control brands

**NEW
PRODUCT**

AMF41W - Advanced Wireless Multi-Format Presentation Switch

Featuring Miracast® and AirPlay, 2 x HDMI, 1 x USB-C inputs / Dual HDBaseT™ / HDMI Output, Localised WiFi Hotspot, KVM and Web GUI



- ➔ Features 2 x HDMI, 1 x USB-C, AirPlay & Miracast® inputs which can be switched to simultaneous HDMI & HDBaseT™ outputs
- ➔ Localised 2.4G / 5G WiFi hotspot to host AirPlay and Miracast® local streaming to AMF41W
- ➔ Optional table top grommets with local source selection button
- ➔ Supports resolutions up to 4K UHD 60Hz 4:4:4

MFP112 - 11 Input Multi-Format Presentation Switch

11 Input 2 Output Multi-Format Presentation Switch Including HDBaseT™ Input and Output



Our MFP112 is a multi-format presentation switcher with in-built video scaling, audio embedding, de-embedding, EDID management and HDBaseT™ input and output. The MFP112 works in 2 modes, first as a 11 input dual output switcher, alternatively each output can work independently with HDMI output 1 routing the 1 x HDBaseT™ + 4 x HDMI inputs only and output 2 switching all 11 video / audio inputs. With control of the switcher using the front-panel push buttons, IR remote control or RS-232 interface it is an ideal solution for commercial installations.

MFP72 - 7 Input Multi-Format Presentation Switch

7 Input 2 Output Multi-Format Presentation Switch



Our MFP72 is a multi-format presentation switcher with in-built video scaling, audio embedding, de-embedding and EDID management. The MFP72 works in 2 modes, first as a 7 input dual output switcher, alternatively each output can work independently with output 1 routing the 4x HDMI inputs only and output 2 switching all 7 video / audio inputs. With control of the switcher using the front-panel push buttons, IR remote control or RS-232.

MFP62 - 6 Input Multi-Format Presentation Switch

Includes Video Scaling, MIC Input with Phantom Power, Audio Mixing & Web GUI

**NEW
PRODUCT**



Our MFP62 is an advanced 4K multi-format presentation switch featuring 3 x HDMI, 1 x USB-C, 1 x DisplayPort™ and 1 x VGA input to dual HDMI outputs. The MFP62 provides enhanced features including video scaling on output, MIC input with phantom power and audio mixing. The MFP62 also features web GUI for control and configuration, analogue audio embedding, audio de-embedding and control via front panel, IR, RS-232 and TCP/IP. The MFP62 is an ideal product for your boardroom, classroom or huddle-space application.

MFP31 - Portable Multi-Format Presentation Switch

HDMI, Mini DisplayPort™ and USB-C inputs / HDMI Output, Manual / Auto Source Switching

**NEW
PRODUCT**



Our MFP31 is a portable multi-format presentation switch, featuring HDMI, DisplayPort™ and USB-C inputs to a single HDMI output, with manual or auto source selection. The MFP31 supports HDMI 2.0 18Gbps specification including pass-through of all formats of HDR and HDMI audio. The MFP31 is ideal for your boardroom or huddle-space application.

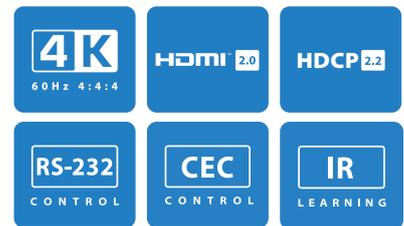
**NEW
PRODUCT**

HD11CTRL - HDMI In-Line Controller

With IR, RS-232, CEC, Signal Sensing & 12V Trigger Outputs



Our HD11CTRL HDMI in-line controller is an automated room control solution including display on / off control via CEC, RS-232 and IR, when either 5V HDMI, HDMI TMDs or an external sensor is triggered. External relay inputs allow third party triggers for integration with devices such as sensors or switches. The HD11CTRL will also help with HDMI compatibility, HDCP 2.2, clock stretching, EDID and handshaking issues that are becoming common problems when distributing HDMI signals, especially 4K. The HD11CTRL supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.



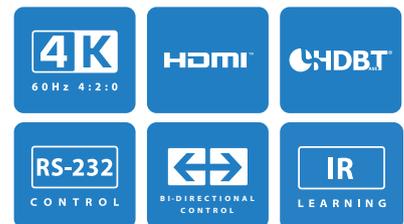
SW41HDBT - 4-Way HDBaseT™ Input Switch

With Selectable HDMI or HDBaseT™ Output

**NEW
PRODUCT**



Our SW41HDBT is a 4-Way HDBaseT™ switch with HDBaseT™ or HDMI output. The SW41HDBT provides enhanced features including PoC to power Blustream Transmitter and Receiver products, web GUI for control and configuration, manual or automated source selection, IR pass-through and control via front panel, IR, RS-232 and TCP/IP. The SW41HDBT is an ideal product for your boardroom, classroom or huddle-space application when used with our Blustream HDBaseT™ wall plate solutions.



4K 18Gbps HDMI Splitters

with Audio Breakout and EDID Management



Our 4K UHD HDMI splitter distributes a single HDMI source to 2 or 4 simultaneous outputs. The units transmit all HDMI resolutions up to and including 4K 60Hz 4:4:4. The splitters also include the advanced features of audio breakout and EDID management.

Models & Description

SP14AB-V2	4-Way 4K HDMI 2.0 Splitter supporting 4K 60Hz 4:4:4
SP12AB-V2	2-Way 4K HDMI 2.0 Splitter supporting 4K 60Hz 4:4:4

4K 18Gbps HDMI Switchers

with Audio Breakout and EDID Management



Models & Description

SW41AB-V2	4-Way 4K HDMI 2.0 Switch with Audio Breakout and EDID management
SW21AB-V2	2-Way 4K HDMI 2.0 Switch with Audio Breakout - HDCP 2.2

Our HDMI switch with integrated audio breakout can be controlled via IR, front panel and RS232. The switch supports all video resolutions up to and including 4K.

Performance. Simplified.



C44-KIT - Contractor 4x4 HDBaseT™ Matrix Kit

Contractor 4x4 HDBaseT™ Matrix Kit - 70m (4K up to 40m), Bi-directional IR, PoC, Simultaneous HDMI / HDBaseT™ on Output 1, RS-232 & TCP / IP Control, HDCP 2.2 compliant, Web GUI, Includes 4x HEX70B-RX HDBaseT™ Receivers

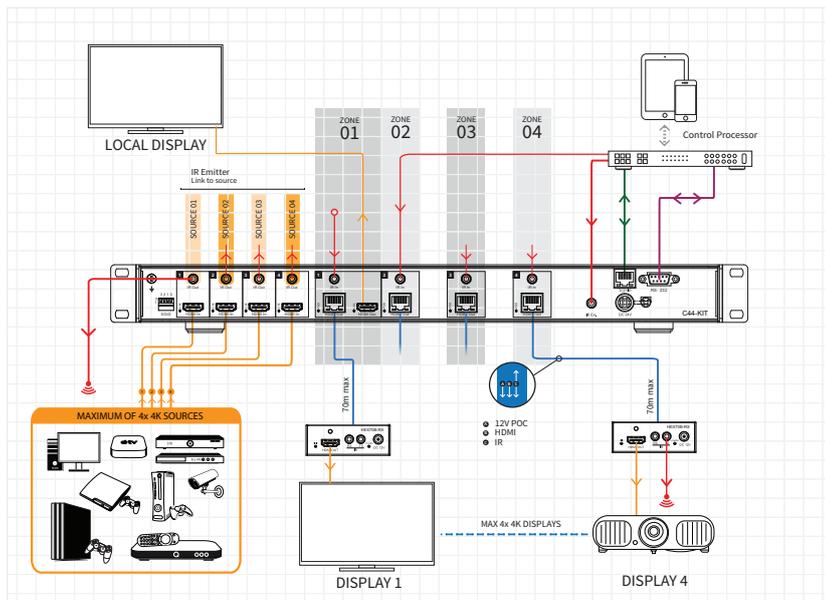
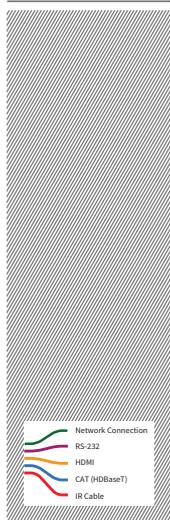
Key Features

- ➔ Features 4x HDMI inputs which can be independently routed to 4x HDBaseT™ outputs
- ➔ Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- ➔ Web interface module for control and configuration of the Matrix
- ➔ Advanced EDID management
- ➔ HDCP 2.2 compliant
- ➔ Supports 4K UHD video up to 40m (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- ➔ Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- ➔ 3rd Party drivers available for all major control brands

Example Schematic



Example Schematic
C44-KIT



4K	HDBT™
HDCP 2.2	HD AUDIO
WEB GUI GRAPHICAL USER INTERFACE	PoC
EDID	UP TO 40m 4K 60Hz 4:2:0
UP TO 70m 1080p	

CMX42AB - 4K HDMI Matrix

4x2 4K HDMI 2.0 Matrix with Audio Breakout, HDCP 2.2



Our Contractor CMX42AB 4K HDMI matrix individually distributes four HDMI sources to two displays enabling all sources to be viewed seamlessly as required within a matrix configuration. The unit transmits all HDMI resolutions up to and including full 4K 60Hz 4:4:4 and HDR (18Gbps). The 4-input matrix also includes audio breakout, RS-232 control and EDID management.

CMX44AB - 4K HDMI Matrix

4x4 4K HDMI 2.0 Matrix with Audio Breakout, HDCP 2.2



Our Contractor CMX44AB 4K HDMI matrix individually distributes four HDMI sources to four displays enabling all sources to be viewed seamlessly as required within a matrix configuration. The unit transmits all HDMI resolutions up to and including full 4K 60Hz 4:4:4 and HDR (18Gbps). The 4-way matrix also includes audio breakout, RS-232 control and EDID management.

CMX88AB - 4K HDMI Matrix

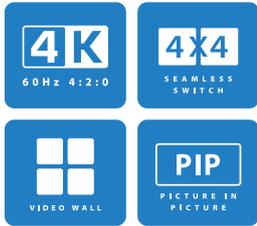
8x8 4K HDMI 2.0 Matrix with Audio Breakout, HDCP 2.2



Our Contractor CMX88AB 4K HDMI Matrix offers unprecedented performance and value for the custom installation market. The CMX88AB supports HDMI 2.0 with HDCP 2.2, allowing distribution of eight HDMI sources to eight displays. This enables all sources to be viewed as required within a matrix configuration. The unit transmits all HDMI resolutions up to and including 4K 60Hz 4:4:4. The 8-Way matrix also includes audio breakout, EDID management and a web browser interface module for control and configuration of the matrix.

MX44VW - 4x4 HDMI / VGA Matrix

4x4 4K Seamless Switching HDMI / VGA Matrix with Video Wall and Multi-viewer feature, IR Routing, RS-232, IR & TCP/IP Control



Our MX44VW 4K HDMI/VGA matrix is a multi-purpose high-speed video processing system. The MX44VW can be configured for 3 different output modes. The MX44VW can perform as a 4x4 seamless matrix switcher, as a 2x2, 4x1 or 1x4 video wall solution and as a quad multi-view presentation system. Inputs can be assigned as either HDMI or VGA with associated L/R analogue audio with control of the switcher via the front-panel push buttons, IR remote control, RS-232 interface and TCP/IP.

SC12SP-V2 - 2-Way HDMI 4K Down-scaler and Splitter

HDMI 4K HDCP 2.2 Compliant Splitter (50/ 60Hz 4:4:4 support) with built in Down-scaler, Audio Breakout and EDID Management



Our SC12SP-V2 is a HDMI 4K splitter with in-built down-scaler, designed for installations in which a single 4K video source needs to be distributed to multiple displays that support different maximum video resolutions. The SC12SP-V2 allows those displays only capable of supporting lower video resolutions to receive 4K video while still showing the maximum original 4K resolution on the higher-definition display through the Bypass output. The SC12SP-V2 supports down-scaling of 4K (inc HDR) video to 1080p, features audio breakout, advanced EDID management and is HDCP 2.2 compliant.

SC11HD-V2 - HDMI 4K Down-scaler

HDMI 4K Down-scaler (50 / 60Hz 4:2:0 support) with Audio Embedder / De-Embedder



The Blustream SC11HD-V2 is a HDMI 4K scaler, designed for installations with multiple displays that support different maximum video resolutions. The SC11HD-V2 is ideal for installations with multiple output resolution requirements. The SC11HD-V2 supports down-scaling of 4K (Inc HDR) video to 1080p and supports HDCP 2.2 with advanced EDID management. It also features either de-embedding or embedding audio within the HDMI signal path.

SM11

Signal Manager with Audio Embedder / De-Embedder



- ➔ Can help to solve most HDMI EDID, HDCP, compatibility and handshaking issues
- ➔ Supports full HDMI 2.0 specification 4K UHD video (4K @ 60Hz 4:4:4)
- ➔ HDCP 2.2 support

HD11AU

HDMI Audio Embedder / De-Embedder



- ➔ Can be configured to work as either a HDMI audio de-embedder or audio embedder
- ➔ Supports 4K UHD video pass-through
- ➔ Extract audio and embed analogue L/R audio input onto the HDMI output

CAT100AU

Audio over CAT

➔ UP TO 300m



- ➔ Extend optical and coaxial digital audio signals up to distances of 300m
- ➔ Both optical and coaxial digital can be distributed at the same time
- ➔ Built in DAC (Digital to Analogue audio Converter)

PAC500AU

Passive Audio over CAT Cable

➔ UP TO 500m



- ➔ Extend analogue audio signals up to distances of 500m over a single CAT cable
- ➔ Passive solution - Extender kit does not require a power supply

DAC12AU

Digital to Analogue Converter (DAC) Simultaneous Analogue and Digital Output



- ➔ Convert the digital audio output from a TV display into analogue stereo
- ➔ Auto-detects digital connection in use
- ➔ 192kHz Sample Rate

DIG11AU

Digital Audio Converter



- ➔ Converts digital audio formats (optical to optical and coax, or, coax to optical or coax)
- ➔ Both optical and coaxial digital outputs work concurrently regardless of input type selected

ADC11AU

Analogue to Digital Audio Converter (ADC)



- ➔ ADC (Analogue to Digital audio Converter) converts analogue left / right stereo audio input to both S/PDIF optical and coaxial digital PCM outputs

AD11AU

Analogue Audio Delay Processor with Volume Control

NEW PRODUCT



- ➔ In-line 2ch analogue audio delay with line-level volume control
- ➔ Supports 48kHz / 24 bit sample rates

OPT41AU

4-Way Optical Switch with built-in DAC and Audio Conversion

- ➔ Perfect for the integration of multiple audio sources with a soundbar
- ➔ DAC converts selected optical digital to analogue left / right stereo audio output



PRECISION 18 GBPS

GUARANTEED 18GBPS 4K UHD HDMI CABLE

PRECISION 18Gbps Passive HDMI Cable

Our Passive Precision 18 HDMI cables guarantee 18Gbps pass through for support of all the latest 4K resolutions including 4K 60Hz 4:4:4 colour space, HDR, Dolby Vision and 8/10/12 bit colour.

- ➔ Guaranteed 18Gbps Bandwidth
- ➔ Supports 4K UHD video (up to 4K @60Hz 4:4:4/HDR)
- ➔ Gold plated locking connectors for secure connection
- ➔ Porcelain ceramic connectors for enhanced durability



Models & Description

HDMI18G0.5	Passive HDMI Cable - 0.5m	HDMI18G5	Passive HDMI Cable - 5m
HDMI18G1	Passive HDMI Cable - 1m	HDMI18G7	Passive HDMI Cable - 7m
HDMI18G2	Passive HDMI Cable - 2m		
HDMI18G3	Passive HDMI Cable - 3m		

PRECISION 18Gbps Active HDMI Cable

Our Active Precision 18 HDMI cables utilise integrated circuits that measure, analyse and adjust the video signal to ensure 18Gbps pass through for support of all the latest 4K resolutions including 4K 60Hz 4:4:4 colour space, HDR, Dolby Vision and 8/10/12 bit colour.

- ➔ Guaranteed 18Gbps Bandwidth
- ➔ Supports 4K UHD video (up to 4K @60Hz 4:4:4/HDR)
- ➔ Gold plated locking connectors for secure connection
- ➔ Porcelain ceramic connectors for enhanced durability



Models & Description

HDMI18G10	Active HDMI Cable - 10m
HDMI18G15	Active HDMI Cable - 15m
HDMI18G20	Active HDMI Cable - 20m

PRECISION 18Gbps Active Optical Copper (AOC) HDMI Cable

Our Precision 18 HDMI Active Optical Copper (AOC) cables utilise a hybrid copper and optical transmission technology. Copper is used to manage the DDC handshake whilst optical handles the high-speed data throughput to allow 18 Gbps transmission of distances of up to 100m. All latest 4K resolutions are supported including 4K 60Hz 4:4:4 colour space, HDR, Dolby Vision and 8/10/12 bit colour.

- ➔ Guaranteed 18Gbps Bandwidth
- ➔ Optimised for the toughest installation environments
- ➔ Active Optical Copper cable provides enhanced EMI and RFI resistance
- ➔ Detachable HDMI connector for advanced installation

Models & Description

HDMI18G30	Active Optical Cable (AOC) HDMI 30m
HDMI18G50	Active Optical Cable (AOC) HDMI 50m
HDMI18G100	Active Optical Cable (AOC) HDMI 100m



Static State HDMI Cable

Shape your cables and fix them in position for improved connection and cosmetics.

- ➔ Cable can be fixed in any required position, perfect for rack installations
- ➔ Transmit all video resolutions up to and including 4K
- ➔ High Speed with Ethernet
- ➔ 3D Compatible
- ➔ Deep Colour

Models & Description

HDMISS-05 Blustream Static State HDMI - 0.5m

HDMISS-07 Blustream Static State HDMI - 0.7m

HDMISS-1 Blustream Static State HDMI - 1.0m



Performance HDMI Cable

Our longer length Performance HDMI cables have been extensively tested to guarantee 4K resolutions

- ➔ 99.999% Oxygen Free Copper for enhanced signal transfer
- ➔ Transmit all video resolutions up to and including 4K
- ➔ High Speed with Ethernet (Except 10m & 15m lengths)
- ➔ 3D Compatible
- ➔ Deep Colour

Models & Description

HDMIP-0.5 Performance HDMI Cable - 0.5m

HDMIP-1 Performance HDMI Cable - 1m

HDMIP-2 Performance HDMI Cable - 2m

HDMIP-3 Performance HDMI Cable - 3m

HDMIP-5 Performance HDMI Cable - 5m

HDMIP-7 Performance HDMI Cable - 7m

HDMIP-10 Performance HDMI Cable, Standard Speed - 10m

HDMIP-15 Performance HDMI Cable, Standard Speed - 15m



Micro Form HDMI Cable

Discrete design for tight spaces and compact installations

- ➔ Discrete design for tight spaces and compact installations
- ➔ Transmit all video resolutions up to and including 4K
- ➔ High Speed with Ethernet
- ➔ 3D Compatible
- ➔ Deep Colour

Models & Description

HDMIM-0.5 Micro Form HDMI Cable - 0.5m

HDMIM-1 Micro Form HDMI Cable - 1m

HDMIM-1.5 Micro Form HDMI Cable - 1.5m

HDMIM-2 Micro Form HDMI Cable - 2m



Micro Form HDMI Adapter Cable

Perfect male to female adapter for hard to reach HDMI sockets

- ➔ Discrete design for tight spaces and compact installations
- ➔ Transmit all video resolutions up to and including 4K
- ➔ High Speed with Ethernet
- ➔ 3D Compatible
- ➔ Deep Colour

Models & Description

HDMIMF-0.1 Micro Form HDMI Adapter Cable - 0.1m





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