

# BLUSTREAM

AV DISTRIBUTION WITHOUT COMPROMISE

## Education Solutions



Ryland School  
of Technology

RYLAND BUILDING

Intuitive AV products to optimise the learning experience

HDMI  
HIGH-DEFINITION MULTIMEDIA INTERFACE

4K HDBT  
ASD

SDVoE  
ALLIANCE

Dolby

DTS

Dante





# BLUSTREAM

Blustream is the audio-visual industry's award-winning option for advanced AV distribution. Our products have been designed and engineered by a global team of AV specialists with over 50 years' experience. Our dedicated line up of education specific solutions deliver the latest AV distribution and automation technologies into various learning environments.

## Why choose Blustream?

-  Territory based warehousing and product development
-  Products supported by a 3 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, HDBase™, SDVoE, Dolby®, DTS™ and Dante® technology platforms
-  Extensive roadmap for new product development
-  Driver integration available for 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

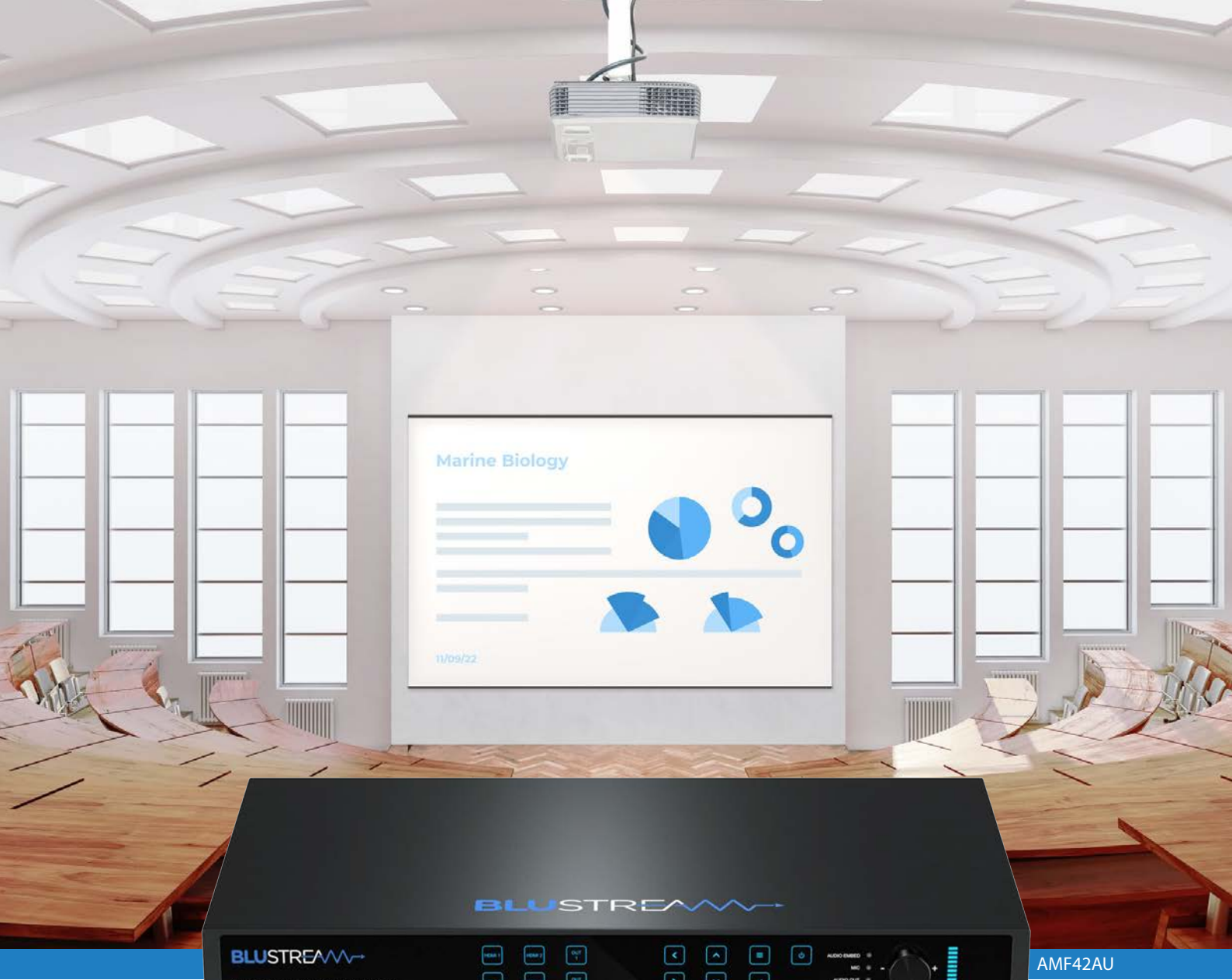
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To see the full range of Blustream AV distribution solutions please visit our website - [www.blustream.co.uk](http://www.blustream.co.uk)





# Large Classrooms & Auditoriums

In larger classrooms and auditoriums the addition of microphone integration and audio mixing capabilities become essential features. Teaching staff, lecturers and presenters need to have complete confidence in the AV infrastructure installed to deliver content to larger audiences.

Blustream have developed a range of multi-format presentation switchers that feature support of the latest 4K resolutions, seamless switching, USB-C video integration and microphone input with 48V Phantom power, line level volume control and audio mixing. These powerful one-box solutions provide the ultimate cost effective method for plug-and-play connectivity and AV control in larger education environments.

## AMF42AU Advanced Multi-Format Presentation Switcher

Our AMF42AU is an advanced 4K 4x2 HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 multi-format presentation switcher featuring 3 x HDMI 2.0 and 1 x USB-C input to 2 x HDMI 2.0 / 1x HDBaseT™ output.

### Key Features

- Seamless source switching with manual or auto source selection
- MIC input supports line level or 48V Phantom power
- Advanced Colour Space Conversion (CSC) supports HDMI 2.0 18Gbps specification
- Dual HDMI / HDBaseT™ on output 2
- Features MIC mixer over source audio with independent level adjustment (MIC ducking)



### Flexibility

HDBaseT™ output enables distribution of AV up to lengths of 70m, perfect for projector installation.

### Microphone Integration

MIC input with 48V Phantom power, line level volume control and audio mixing.

### Audio Management

Audio embedding featuring MIC ducking for seamless transition between sources.



### Connectivity

Full integration of HDMI and USB-C sources ensuring compatibility across various devices.

### Seamless Switching

Seamless switching between sources enables maximum up time of all shared content.

## MFP62 6 Input 2 Output Multi-Format Presentation Switcher

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.

### Key Features

- Supports resolutions up to 4K UHD 60Hz 4:4:4
- MIC input supports line level or 48V Phantom power
- Dual HDMI outputs with video scaling
- Features MIC mixer over source audio with independent level adjustment (MIC ducking)



# Simplified Classroom Automation



The optimum teaching environment enables simple and effective collaboration between multiple users and a combination of different source devices. Content sharing needs to be seamless and the local room environment automated to enhance the learning experience.

Blustream have developed a number of versatile plug and play solutions to deliver enhanced AV integration and distribution throughout the learning environment. These products are focused on delivering discreet deployment, easy installation and simple programming. The range includes our latest advanced HDBaseT™ wallplates, a single zone automation processor and wireless collaboration solutions.

## HD11CTRL HDMI In-line Controller

Delivering time and energy saving automation into the learning environment has never been easier. With our discreet one-box solution, clever automation can be triggered upon movement, signal sensing or the simple press of a button. Ideal for any classroom, the HD11CTRL can be integrated to activate simultaneous commands for items such as blinds, projectors, lighting and displays. Equally, when a room is unoccupied, the HD11CTRL can send multiple power down signals to devices to ensure effective energy management.

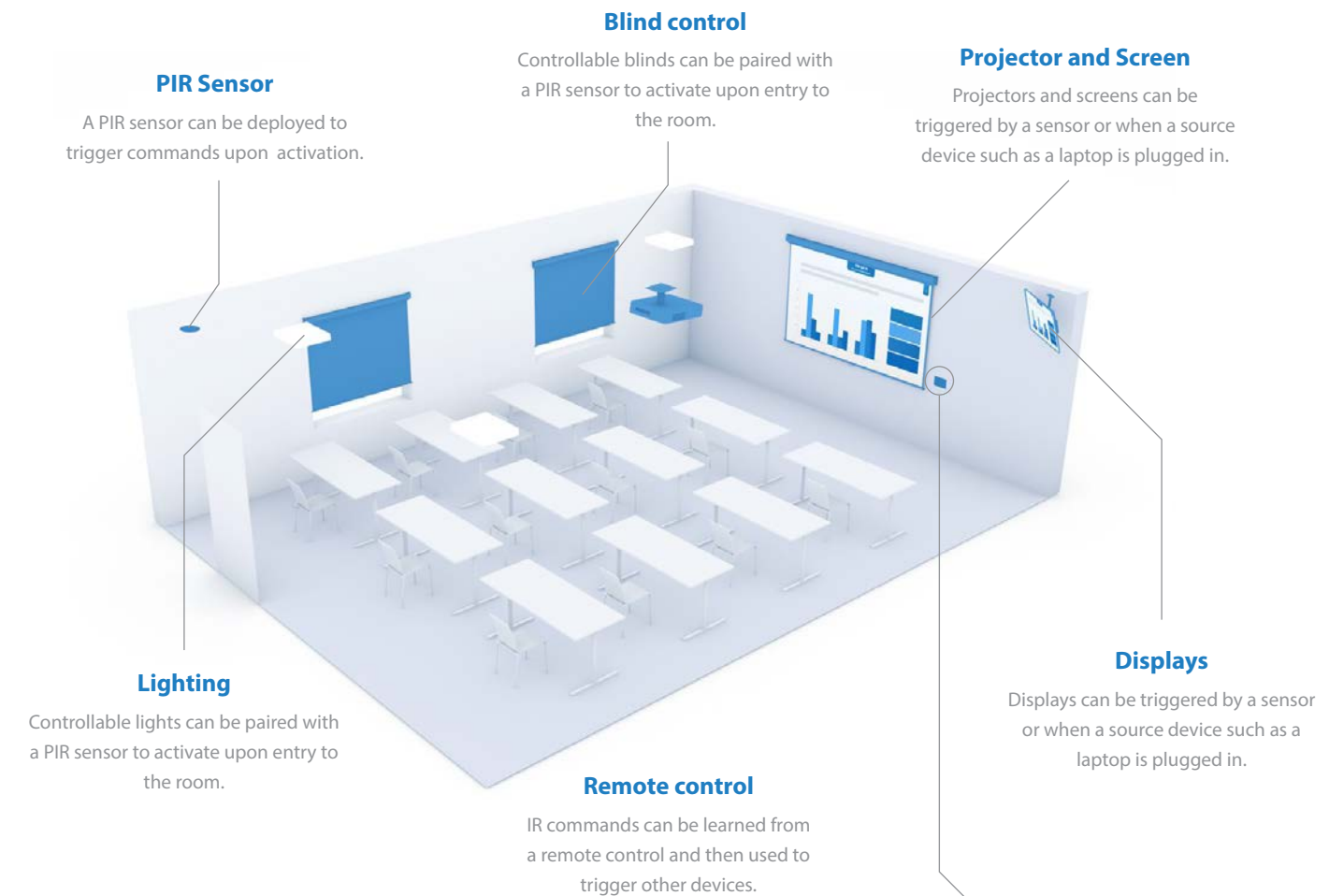
### Key Features

- Automatic display On / Off control via CEC, RS-232 or IR
- Relay control for interface to third party devices such as automated projector screens
- Contact closure input for connection from third party devices such as sensors or switches
- Configurable time delays and macros



## Seamless Integration

Take room efficiency to a whole new level with our HD11CTRL automation processor. Trigger your predefined set up upon room occupancy. Turn on lighting, lower blinds and prepare all AV equipment for teaching without having to press a button.



## Advanced HDBaseT™ Wallplates

### HEX31WP-TX HDMI & USB-C Wall Plate HDBaseT™ Transmitter

- 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

### HEX11WP-TX HDMI Wall Plate HDBaseT™ Transmitter

- 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

Wallplates available in brushed silver and black finish



HEX11WPB-TX



# Advanced Wireless Presentation for Group Learning



## AMF41W Advanced Wireless Multi Format Presentation Switch

The AMF41W is an advanced 4K multi-format presentation switch featuring 4 x HDMI, AirPlay and Miracast® inputs to a single HDMI output. The AMF41W provides enhanced features including localised 2.4/5G WiFi hotspot, seamless switching, multi-view presentation, video scaling, and web-GUI for control and configuration.

The AMF41W also features auto display control via RS-232, manual or automated source selection and control via front panel, and TCP/IP. The AMF41W is an ideal product for your meeting room, classroom or huddle-space application.

### Key Features

- Features 4 x HDMI, AirPlay and Miracast® inputs which can be switched to a single HDMI output
- Localised 2.4G/5G WiFi hotspot to host AirPlay and Miracast® local streaming to AMF41W
- Multi-view presentation with up to 7 concurrent video signals and configurable screen layout
- Seamless switching of sources in both single, or multi-view mode



**AirPlay**  
Wirelessly present content from any Apple device using iOS or macOS.

**Miracast**  
Wirelessly present content from any Windows, PC, tablet or smartphone.



### Intuitive Interface

The intuitive user interface gives the user everything they need to get started and sharing within seconds.

### Seamless Switching

Seamless switching between sources enables maximum up time of all shared content.

### Display Control

Via RS-232, manual or automated source selection and Audio breakout for integration with larger audio systems.

### LAN

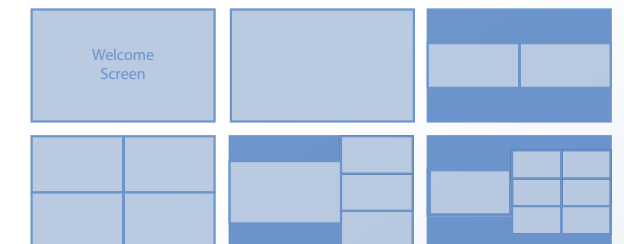
Where a local network is preferred, the AMF41W includes LAN connection for integration to existing network infrastructures.

### Wireless Antennae

The unit features its own 2.4G / 5G wifi hotspot to host content from AirPlay and Miracast enabled devices

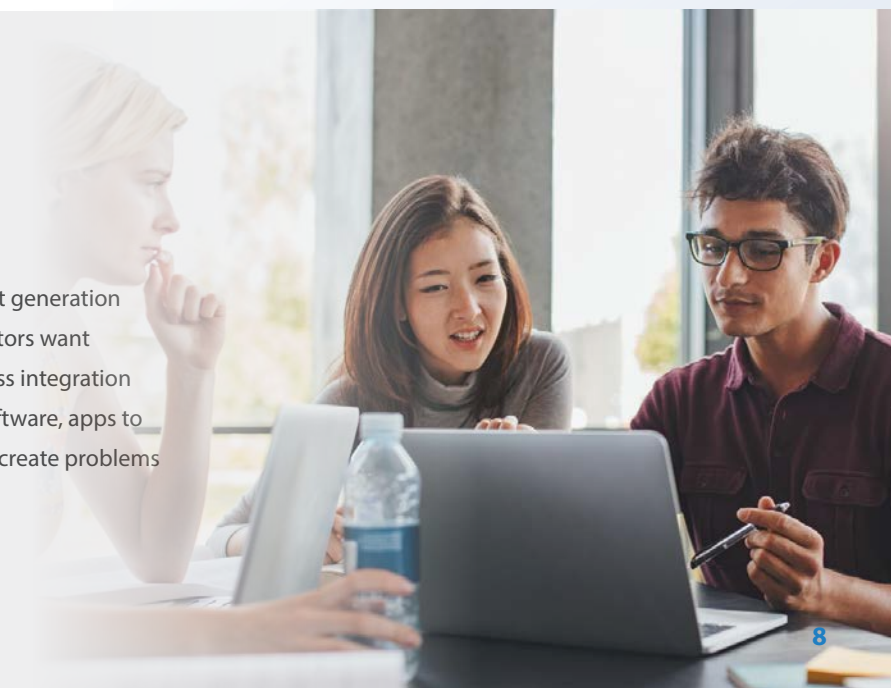
## Multi-View Presentation

The AMF41W is designed as the ultimate collaboration tool allowing up to 7 simultaneous users to share the screen at a single time. There is no need for any user to download software, pay for licenses or plug in any additional dongles or cables to make it work. The intuitive user interface gives the user everything they need to get started and sharing within seconds.



## Collaboration with Wireless Presentation

We asked users what they really wanted from their next generation collaboration hardware. The feedback was clear, educators want flexible solutions that offer both hard wired and wireless integration of video devices. What they don't want is additional software, apps to download or plug-in dongles, all of which can and will create problems and costly delays in the learning environment.





# Campus Wide Networked AV



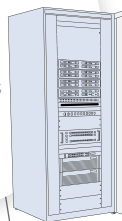
## Multicast 4K Video over IP

Cost effective distribution and management of AV throughout a whole building or campus is now here. Integration of a dedicated Video over IP network delivers both flawless performance and flexibility for content distribution throughout classrooms, lecture theatres and public areas. Incorporating an unlimited number of sources and displays the system can output to a combination of video walls and signage displays, all controllable via the Blustream Drag & Drop TV app\*.

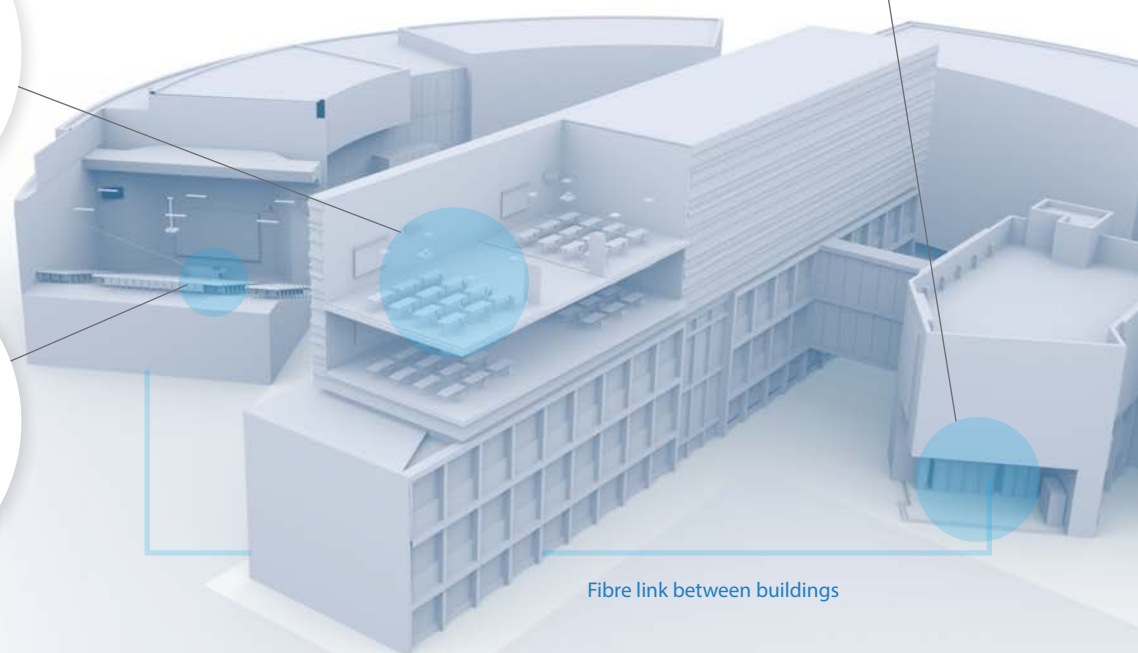
\*Blustream Multicast can also integrate with all major 3rd Party control brands.

### Central AV Rack

Centrally managed sources can be distributed campus wide.



### State of the art campus



#### Scalability

Blustream systems are built to scale ranging from multi-room control, to the whole campus.

#### Remote Integration

Integrate local sources such as laptops or PTZ cameras. These can be distributed throughout the AV network.

Fibre link between buildings

## IP200UHD-TX/RX

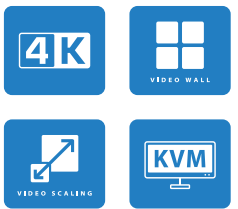
### IP Multicast UHD Video over 1Gb Network

Our UHD Multicast distribution platform allows virtually latency free (1 frame) distribution of HDMI video over a 1Gb Network switch. The IP200UHD is an industry leading 4K HDCP 2.2 HDMI platform that using visually lossless compression technology delivers HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture.



#### Key Features

- Advanced UHD video over 1Gb Network
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT cable
- Advanced signal management for independent routing of IR, RS-232, USB / KVM, audio and video
- Video up-scaling and down-scaling



## IP250UHD-TX/RX

### IP Multicast UHD Video over 1Gb Network featuring Dante® Integration

The IP250UHD TX/RX is an industry leading 4K HDCP 2.2 HDMI distribution platform that, using visually lossless compression technology, delivers HDMI, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture, or greater distances using the in-built fibre SFP port.



#### Key Features

- Operates as a stand-alone system, or together with existing IP200UHD products
- Dual RJ45 network ports configurable for independent or combined HDMI and Dante® signal distribution
- 2ch Dante® TX for encoding of audio from HDMI source or local analogue audio input
- 2ch Dante® RX for decoding audio onto the HDMI signal or breakout to local analogue audio output
- Optical (S/PDIF) audio input for conversion of a stereo digital audio format into a Dante® audio system



### Operational Modes

1

#### Matrix distribution

Integrate any number of sources and displays into the system

2

#### Video wall presentation

Combine video walls and individual displays on a single system

3

#### One-to-one

Point to Point transmission of 4K video (up to 100m)

4

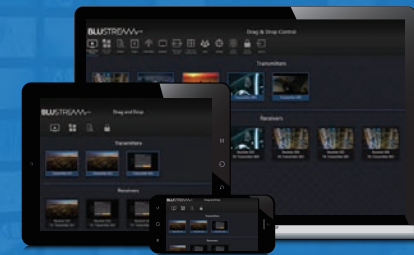
#### One-to-many

Single source distribution to multiple displays (up to 100m)



# Video Over IP

## The Ultimate Flexibility



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 it's the easy way to deliver intuitive switching control without the added cost of a dedicated control system.

Seamless integration with the world's leading 3rd party control systems



### IP50HD-TX/RX

**Contractor HD Video Transmitter/ Receiver over 100Mbps Network**



The IP50HD is an industry leading 1080p video over IP solution that uses H.265 compression technology to deliver HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture. The products can be powered via PoE from the network switch or locally should the switch not support PoE. With multiple configuration options available the Multicast HD solution is ideal for large scale education installations.

#### Key Features

- Advanced HD video, control and KVM over network infrastructure
- Extends HDMI up to a distance of 100m over a single CAT cable
- Supports unicast transmission over unmanaged networks
- Supports multicast transmission for large managed networks
- Supports up to 1080p 60Hz video and 2ch PCM audio
- Features 1 x HDMI loop-out for integrating local displays or cascading to multiple devices

### IP200UHD-TX/RX

**IP Multicast UHD Video Transmitter/ Receiver over 1Gb Network**



The IP200UHD is an industry leading 4K HDCP 2.2 HDMI extender that using visually lossless compression technology delivers HDMI, Bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture. The IP200UHD products can be powered via PoE from the Network switch or locally should the switch not support PoE. With multiple configuration options available the Multicast solution is ideal for 4K education installations.

#### Key Features

- Advanced UHD video over 1Gb Network
- Virtually unlimited system size
- Extends HDMI up to a distance of 100m over a single CAT cable
- Supports up to 4K HDR UHD video sources (3840 x 2160 @30Hz 4:4:4, 4096 x 2160 @24Hz 4:4:4, and 4K @60Hz 4:2:0)
- Advanced signal management for independent routing of IR, RS-232, USB / KVM, audio and video

### IP250UHD-TX/RX



**IP Multicast UHD Video TX / RX over 1Gb Network featuring Dante®**



Compatible with the current IP200 platform, the IP250UHD-TX/RX is an industry leading 4K HDCP 2.2 HDMI extender that, using visually lossless compression technology, delivers 10Gb HDMI, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard network architecture, or greater distances using the in-built fibre SFP port. The IP250UHD transmitter and receiver both feature Dante® encoding and decoding to incorporate into your existing Dante® system.

#### Key Features

- Operates as a stand-alone system, or with existing IP200UHD products
- Dual RJ45 network ports configurable for independent or combined HDMI and Dante® signal distribution
- SFP port for independent or combined HDMI and Dante® signal distribution over a single fibre cable
- Features HDMI loop-out for integrating local displays or cascading to multiple devices

### IP500UHD-TZ



**IP Multicast UHD Video Transceiver over 10Gb Managed Network**



The Blustream IP500UHD Transceiver is a SDVoE AV over IP solution that provides the highest-quality, un-compromised 18Gbps 4K with zero latency Audio/Video extension over copper or optical fibre 10Gb Managed Networks. The IP500UHD-TZ includes support for HDMI 2.0 including distribution of HDR (High Dynamic Range), 10-bit colour content, and multi-channel HD audio signals.

#### Key Features

- Supports HDMI 2.0 18Gbps specification with pass-through for up to 4K 60Hz 4:4:4, and with 10/12-bit HDR sources, including Dolby Vision
- Can be configured as a point of transmission or a receiver as required
- PoE+ (Power over Ethernet) to power Blustream Multicast products from PoE+ switch
- Supports video scaling and single-frame switching
- Support fixed signal routing function for IR, RS-232, CEC and USB

### ACM200

#### Advanced Control Module

The ACM200 includes a web interface module for control and configuration of the Multicast system and features 'drag and drop' source selection with video preview and independent routing of IR, RS-232, USB/KVM, audio and video. Pre-built Blustream product drivers simplify Multicast product installation with 3rd party control systems and negate the need for an understanding of complex network infrastructures.



### ACM500

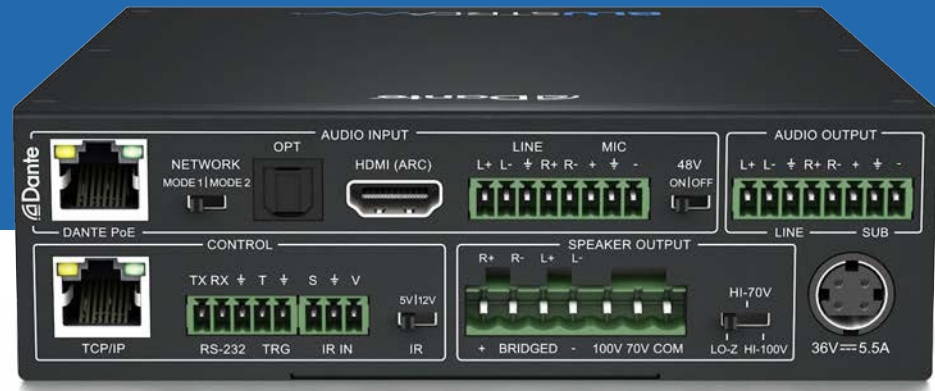
#### Advanced Control Module for IP500UHD Systems

The ACM500 Control Module features advanced third party control of the SDVoE 10GbE Multicast system using TCP/IP, RS-232 and IR. The ACM500 includes a web interface module for control and configuration of the Multicast system and features 'drag and drop' source selection with video preview and independent routing of IR, RS-232, USB / KVM, Audio and Video. Pre-built Blustream product drivers simplify Multicast product installation and negate the need for an understanding of complex network infrastructures.





# Networked Audio Distribution



## NPA100DA Networked Power Amplifier with Dante®

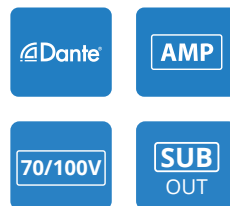
Our NPA100DA networked audio zone amplifier delivers advanced audio integration within an education environment. The NPA100DA features a 2x 50W digital amplifier (1 x 100W mono) or 70V / 100V hi-level constant voltage output, dedicated LFE subwoofer output, Dante® audio integration and 2ch balanced / un-balanced audio outputs.

### Audio inputs:

- 2ch Dante®/AES67 audio input
- HDMI ARC with CEC volume control
- MIC audio input with Phantom power and auto-ducking
- 2ch Analogue audio input – unbalanced & balanced
- 1 x Optical (S/PDIF) audio input

### Audio Outputs:

- 2ch Dante®/AES67 audio output
- 2ch variable/fixed analogue output, balanced/un-balanced
- 1 x LFE subwoofer output



## Blustream Dante® Integration

At Blustream we have developed an intuitive range of dedicated Dante® networked audio solutions. The range includes signal converters, amplifiers and Video over IP integration.



## DA11ADE Dante® Audio Analogue Decoder

Our DA11ADE has been designed to decode a Dante® digital signal to unbalanced or balanced 2ch analogue audio.

### Key Features

- Supports 44.1, 48 & 96 KHz sample rates @ 24 Bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Features Class 1 802.3af PoE for powering of product from any PoE switch

## DA11AEN Dante® Audio Analogue Encoder

Our DA11AEN has been designed to encode unbalanced or balanced 2ch analogue audio to Dante® digital signal.

### Key Features

- Supports 44.1, 48 & 96 KHz sample rates @ 24 Bit
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)
- Supports AES67 RTP audio transport
- Features Class 1 802.3af PoE for powering of product from any PoE switch

## DA44AU 4x4 Dante® Digital Audio Converter

Our DA44AU is a four input / four output Dante® digital audio converter. The DA44AU allows any non-Dante® audio source such as mixing consoles, amplifiers, computers and Blustream Matrix / distribution products to be connected as an audio source within a Dante® network, as well as converting a Dante® signal back to an analogue audio signal.



### Key Features

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



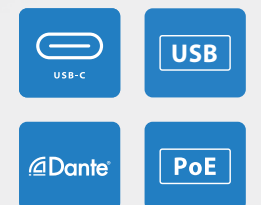
## DA11USB Dante® USB Audio Encoder / Decoder

Our DA11USB has been designed to both encode 2ch USB audio to a Dante® digital signal, and decode a Dante® digital signal to 2ch USB audio. Featuring both USB Type-B and USB-C connections and powered from PoE or direct from the USB connection. The DA11USB is a plug and play device which also supports AES67 RTP audio transport.



### Key Features

- Encodes 2ch USB audio to Dante® digital signal
- Decodes a Dante® digital signal to 2ch USB audio
- Selectable USB audio between USB Type-B and USB-C inputs
- Configurable Dante® device latency (supports 1, 2 or 5ms configurable using Dante® Controller)





# USB & KVM Education Solutions

## HEX70HDUK-TT Table Top Enclosure

The HEX70HDUK-TT is a table top enclosure designed to provide a secure solution for mounting of the HEX70HDUK Transmitter into a table top.



## TTG-1EU Single Euro Module Table Top Grommet

Our TTG-1EU is a single Euro Module mounting grommet designed to be mounted into a table top or lectern.



## HEX70HDUK-KIT Multi Format HDBaseT™ CSC Extender Set

The HEX70HDUK-KIT extender set is an industry leading HDMI2.0 4K 60Hz 4:4:4 (18Gbps) HDCP2.2 HDBaseT™ multi-format solution utilising CSC technology to deliver HDMI, USB-C and DisplayPort™ up to lengths of 40m (70m at 1080p) over a single CAT cable.\*



\* HEX70HDUK-KIT sold as transmitter and receiver kit.  
HEX70HDUK-TT enclosure sold separately.

## UEX100E-KIT USB 2.0 HDBaseT™ Extender Set - 100m

The UEX100E-KIT is a USB extender kit utilising HDBaseT™ technology to extend USB 2.0 data, 2ch analogue audio, and control signals up to 100m over a single CAT cable. The UEX100E-KIT allows up to 4x USB devices to be connected to a single USB host with support for a combined transmission data bandwidth of up to 480Mbps, and is backwards compatible with USB 1.1 devices.



### Key Features

- Extends USB up to a distance of 100m over a single CAT cable using HDBaseT™ technology
- Supports USB 2.0 signal extension
- Backwards compatible with USB 1.1 devices
- Transmitted data bandwidth up to 480Mbps (combined)
- Bi-directional Ethernet pass-through (100Mbps)



## HEX70USB-KIT HDBaseT™ USB 2.0 Extender Set - 70m

The HEX70USB-KIT 4K HDBaseT™ USB 2.0 extender set offers the very best in performance and flexibility, delivering HDMI to lengths of 70m (4K 60Hz 4:2:0 to 40m), USB 2.0 extension, bi-directional IR and RS-232, HDMI audio breakout, bi-directional PoC, and advanced EDID management. HDCP2.2 compliant.



### Key Features

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- USB Type-A connections support 5V 500mA output per port
- Supports 4K UHD video up to 40m
- Extends HDMI 1080p up to a distance of 70m over a single CAT cable



## UEX50B-KIT USB 2.0 Extender Set - 50m

Our UEX50B-KIT delivers USB 2.0 extension up to 50m over a single CAT cable, allowing up to 4 x USB peripheral devices to be connected to a single USB host with charging / power. Supports a combined transmission data bandwidth of up to 480Mbps, and is backwards compatible with USB 1.1 devices.

### Key Features

- Extends USB up to a distance of 50m over a single CAT cable
- Supports USB 2.0 signal extension
- Backwards compatible with USB 1.1 devices
- Combined transmitted data bandwidth up to 480Mbps



## MX44KVM 4x4 USB 3.0 KVM Matrix

The MX44KVM is a USB 3.0 Matrix allowing 4x USB peripheral devices to be shared between 4x host devices, supporting plug-and-play capabilities, and USB data transfer rates up to 5Gbps.



### Key Features

- 4x4 USB KVM Matrix allowing up to 4 x USB peripheral devices to be shared between 4 x host devices
- USB 3.0 connectivity with data transfer rates up to 5Gbps
- Backwards compatible with USB 2.0 and 1.1
- Plug-and-play with no drivers, downloads, or software required





# Matrix Switchers

Enhance any learning environment



## HMXL42ARC-KIT 4x2 HDBaseT™ Matrix Kit

Our Essential 4x2 HDBaseT™ Matrix offers unprecedented performance and value for the education market. The HMXL42ARC-KIT is a HDMI2.0 4K 60Hz 4:4:4 HDCP2.2 Matrix package utilising CSC technology to deliver HDMI, bi-directional IR and PoC up to 70m at 1080p, and 4K to 40m over a single CAT cable.

### Key Features

- Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable
- Features 4 x HDMI inputs which can be independently routed to 2 x HDBaseT™ outputs
- Output 1 features simultaneous HDMI and HDBaseT™ output
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports PoC (Power over Cable) to power supplied RX70CS HDBaseT™ receivers



## MFP112

### 11 Input 2 Output Multi-Format Presentation Switch

Our MFP112 is a multi-format presentation switcher with built-in 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 1x HDBaseT™ & 4 x HDMI inputs only and output 2 switching all 11 video + audio inputs.



### Key Features

- Multi-format presentation device featuring HDMI, HDBaseT™, VGA, Component and Composite video inputs to HDMI and HDBaseT™ outputs
- HDBaseT™ output (output 2) for distribution of video sources up to 100m (4K up to 70m) with bi-directional IR, RS-232, LAN serving and EDID management
- Built-in video scaling, both up-scaling (maximum of 1080p) and down-scaling capabilities (including 4K to lower resolutions)



## MFP72

### 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 advanced EDID management. The MFP72 works in 2 modes, first as a 7 input dual output switcher (7:1 x 2), alternatively each output can work independently with Output 1 routing the 4 x HDMI inputs only (4:1 up to 4K) and Output 2 switching all 7 video/audio inputs (7:1 up to 1080p).



### Key Features

- Multi-format presentation device featuring HDMI, VGA, Component and Composite video inputs to HDMI outputs
- Audio embedding - independent analogue L/R audio input can be embedded to HDMI outputs & Analogue L/R audio and Coaxial digital outputs concurrently
- Volume control - controls volume output of HDMI, Analogue L/R audio and Coaxial digital outputs



## MFP62

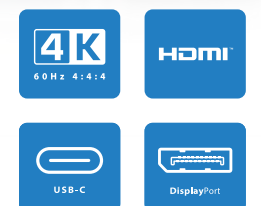
### 6 Input 2 Output Multi-Format Presentation Switch

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.



### Key Features

- Features 3 x HDMI, 1 x USB-C, 1 x DisplayPort™ & 1 x VGA input which can be routed to dual HDMI outputs
- Supports resolutions up to 4K UHD 60Hz 4:4:4
- Features MIC mixer over source audio with independent level adjustment (MIC ducking)
- Audio breakout to analogue L/R audio and Coaxial (S/PDIF) digital outputs concurrently





# HDBaseT™ Extenders

## Education Essentials

Blustream are a market leader for HDMI distribution solutions. Our award winning range of HDBaseT™ extenders ensure seamless distribution of 4K HDMI up to lengths of 100m. Additional features including ARC, RS-232 and audio breakout are included on key products to ensure our partners can specify the correct product for the specific application.

### HEX18GARC-KIT

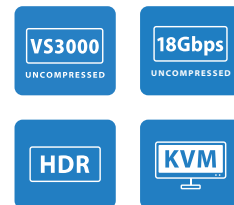
#### Advanced HDBaseT™ Extender Set - 100m

The HEX18GARC-KIT extender set is an industry leading uncompressed, unconverted HDMI 2.0 4K 60Hz 4:4:4 solution utilising the latest HDBaseT™ technology. This advanced solution also delivers enhanced features including an industry leading 1Gb pass Ethernet pass through, KVM, eARC / ARC via HDMI or Optical (S/PDIF).



##### Key Features

- Supports HDMI2.0 18Gbps specification including 4K 60Hz 4:4:4 UHD video
- Supports uncompressed distribution of HDR resolutions including HDR10/10+ and Dolby Vision
- Features 1x HDMI loop-out on the TX for integrating local displays or cascading to multiple devices
- Features USB 2.0 for KVM with speeds of up to 350Mbps
- Supports audio return to HDMI (eARC compatible), optical digital, and analogue L/R audio outputs (analogue output supports 2ch PCM only)



### HEX100CS-KIT / HEX70CS-KIT

#### HDBaseT™ CSC Extender Sets

Our HEX70CS and HEX100CS extender sets offer 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.



##### Key Features

- Advanced HDBaseT™ technology offering distribution of video and audio over a single CAT cable
- Advanced Colour Space Conversion (CSC) supports HDMI 2.0 18Gbps specification including HDR
- Features 1 x HDMI loop-out on the TX for integrating local displays or cascading to multiple devices
- HDMI audio breakout to analogue L/R audio and coaxial digital outputs concurrently
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K



### HEX150CS-KIT

#### HDBaseT™ CSC Extender Set - 150m

Our Platinum Range of HDBaseT™ products offer the very best in performance and flexibility. The HEX150CS-KIT extender set is an industry leading HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.2 HDBaseT™ solution utilising CSC technology with video down conversion. Supporting HDMI, bi-directional IR, RS-232 and PoC up to lengths of 150m over a single CAT cable.



##### Key Features

- Supports 4K 60Hz 4:4:4 UHD video up to 100m
- Extends HDMI 1080p video up to 150m (HDBaseT™ long-reach mode)
- Supports ARC (Audio Return Channel) from display via HDMI and optical digital inputs
- Bi-directional 10/100BaseT Ethernet pass-through
- Features 1 x HDMI loop-out on the TX for integrating local displays or cascading to multiple devices



### HEX70SL-KIT

#### Slimline HDBaseT™ Extender Set - 70m

The HEX70SL-KIT 4K HDBaseT™ extender set offers market leading features in a slimline chassis. The product delivers HDMI, Bi-directional IR and Bi-directional PoC up to lengths of 70m.



##### Key Features

- Advanced HDBaseT™ technology offering uncompressed video and audio with zero latency
- Enhanced slimline chassis
- Extends HDMI 1080p up to a distance of 70m over a single CAT cable
- 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 industry standard video resolutions including VGA-WUXGA and 480i-4K





# Switchers & Splitters

## Education Essentials

Blustream are a market leader for HDMI distribution solutions. Our award winning range of splitters and switchers ensure seamless distribution of HDMI signals in simple installations with up to 8 sources or screens. Additional features including audio breakout and auto switching are included to ensure our partners can achieve the flexibility they require in any AV installation.

### 4K HDMI 2.0 Splitters

Our 4K HDMI 2.0 splitters distribute a single HDMI source to multiple simultaneous outputs with both digital (S/PDIF) and analogue audio breakout. The splitters support full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4 with video down conversion on each output.

#### Key Features

- Supports HDMI 2.0 18Gbps specification including HDR
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K
- Supports up to 4K UHD 60Hz 4:4:4
- HDMI audio breakout to analogue L/R audio and optical (S/PDIF) digital outputs concurrently



Models & Description	
SP12CS	2-Way 4K HDMI 2.0 HDCP 2.2 Splitter with Smart Scaling
SP14CS	4-Way 4K HDMI 2.0 HDCP 2.2 Splitter with Smart Scaling
SP18CS	8-Way 4K HDMI 2.0 HDCP 2.2 Splitter with Smart Scaling

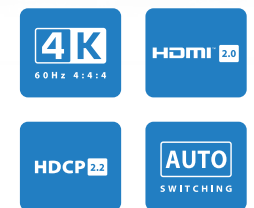


### SW21AB-V2 2-Way 4K HDMI 2.0 Switch

Our SW21AB-V2 is a 2-way HDMI switch with integrated audio breakout. The switch supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

#### Key Features

- Features 2 x HDMI inputs which can be switched to a single HDMI output
- Auto-switching (HPD sensing) capabilities can be enabled / disabled
- Supports full HDMI 2.0 specification 4K UHD video (4K @60Hz 4:4:4)
- Control via front panel and IR (remote control included)

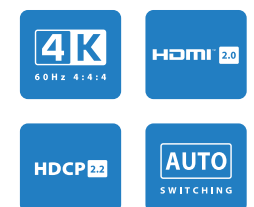


### SW41AB-V2 4-Way 4K HDMI 2.0 Switch

Our SW41AB-V2 is a 4-Way HDMI switch with integrated audio breakout. The switch supports full HDMI 2.0 and HDCP 2.2 with video resolutions up to and including 4K @ 60Hz 4:4:4.

#### Key Features

- Features 4 x HDMI inputs which can be switched to a single HDMI output
- Auto-switching (HPD sensing) capabilities can be enabled / disabled
- Supports full HDMI 2.0 specification 4K UHD video (4K @60Hz 4:4:4)
- Control via RS-232, front panel and IR (remote control included)



### SW41HDBT 4-Way HDBaseT™/ HDMI Input Switch

Our SW41HDBT is a 4-Way HDMI 2.0 4K 60Hz 4:4:4 HDBaseT™ switch utilising CSC technology to deliver HDMI and HDBaseT™ inputs to simultaneous HDMI / HDBaseT™ outputs.

#### Key Features

- Compatible with all Blustream HDBaseT™ transmitters and receivers
- Audio breakout to analogue L/R audio and Toslink (S/PDIF) digital outputs concurrently
- Web interface module for configuration and control of switch
- Manual or auto source selection with control via front panel, IR, RS-232 and TCP/IP
- HDCP 2.2 compliant with advanced EDID management







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To see the full range of Blustream AV distribution solutions please visit our website - [www.blustream.co.uk](http://www.blustream.co.uk)



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