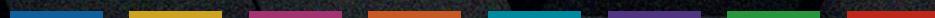




THE CHOICE OF PROFESSIONALS

SOLUTIONS GUIDE 2023

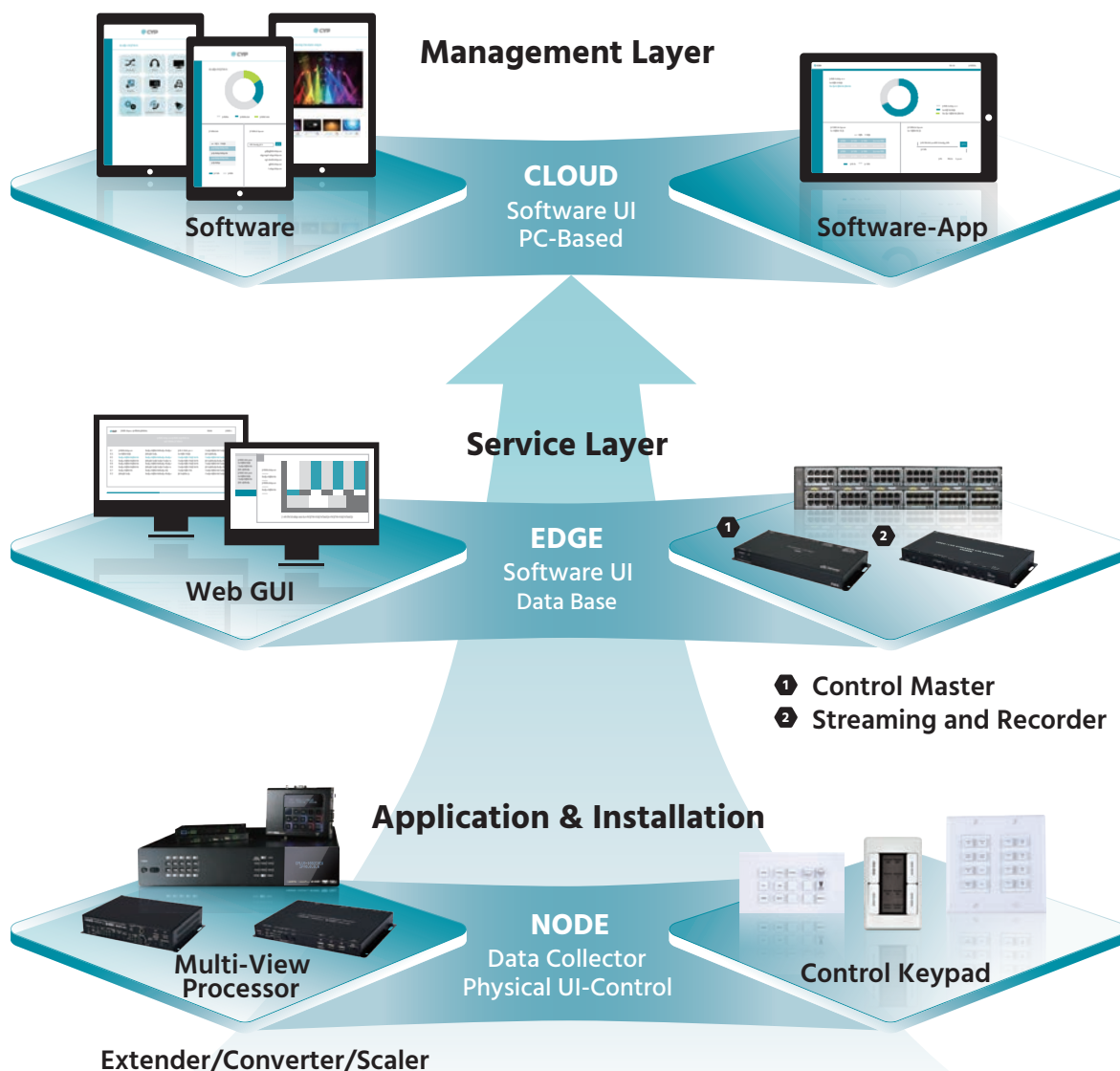


Our vision is simple, to deliver market leading connectivity solutions that enhance the capabilities of Audio Visual products in any installation environment

Pro AV-IT Structure

Professional Execution For All Custom Installations and AV-IT Integrations

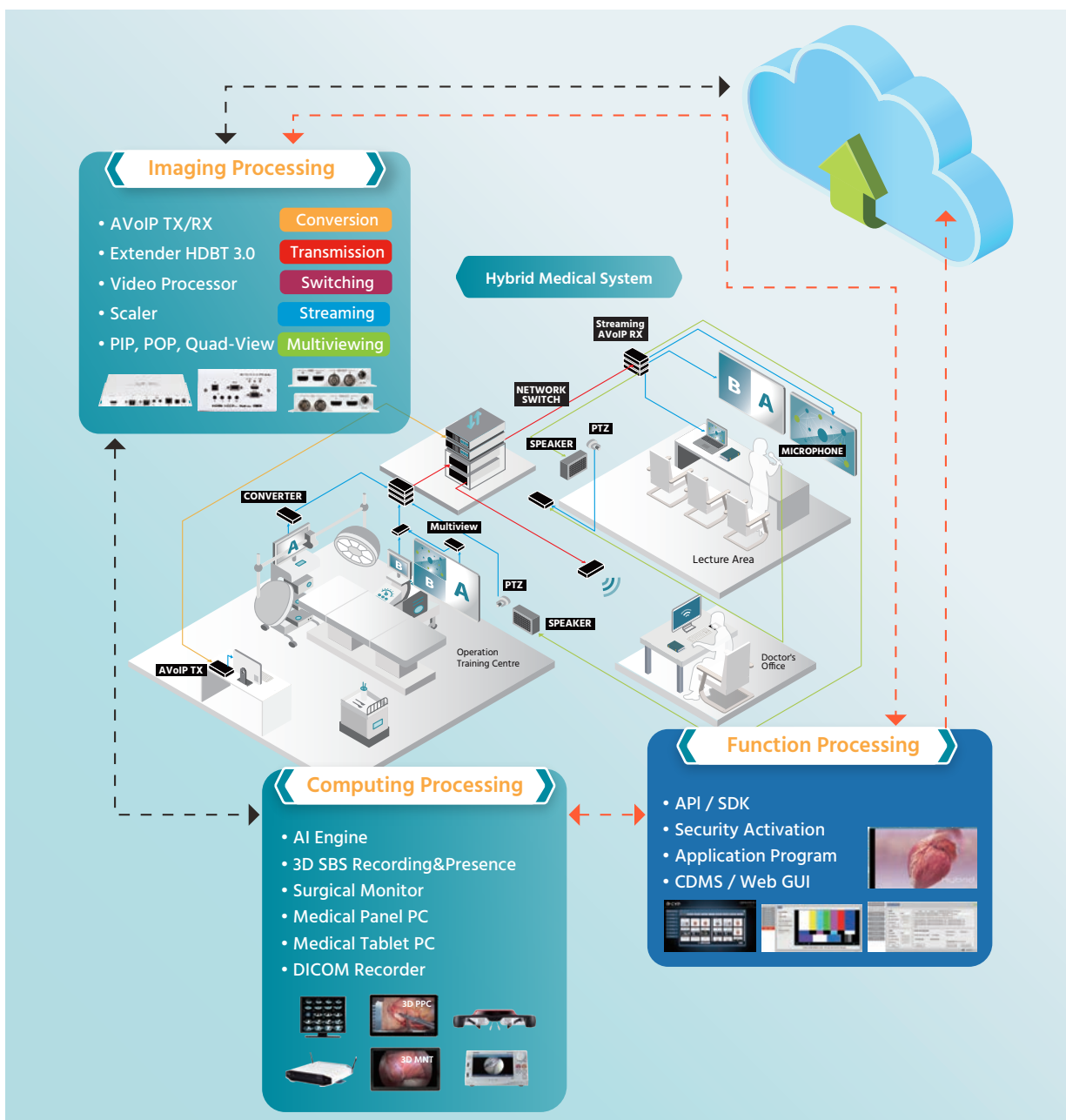
At CYP, we design and manufacture some of the World's most advanced and reliable AV distribution solutions, all of which work seamlessly across a wide range of custom installations and AV-IT integrations. By combining our extensive knowledge of the latest technology with our long-term experience of AV, our products offer unrivalled compatibility between the source and display which can be constructed from the below Pro AV-IT development structure.



Medical Imaging Solution

Progress & Challenges in Medical Imaging

Due to the very strict standards rightly employed by the medical profession, we have created a range of solutions that exceed performance expectations, whilst offering a wide range of features ideally suited to the application. Top of the list is seamless integration with medical equipment, offering super-quick input switching between ultrasound, endoscope, and vital-sign devices, whilst image, video and data capture, zoom in/out, PiP, PoP modes etc. are accessible from the customisable user interface.



Commercial Solution

Conference Room



Businesses are constantly looking at how their meeting rooms are setup to ensure they are as productive and collaborative as possible. Our EL-2600V Presentation Matrix has been designed with these thoughts in mind. 2 HDMI inputs, 1 DisplayPort input and 1 legacy VGA input are all included. 4K@60Hz 4:4:4 resolutions can be sent from the HDMI & DisplayPort inputs along with bidirectional Ethernet, RS-232, USB, and IR. The EL-2600V also includes a microphone input, with optional 48V/5V phantom power support offering the complete presentation solution.

When paired with the PUV-2600RX, up to 3 switchable USB 2.0 host connections are available, which connect to up to 6 USB 2.0 device ports for a multi-source, bidirectional, and flexible KVM

configuration. Both units provide a balanced analogue stereo audio breakout, allowing audio to be integrated with local amplifiers or active speakers. The EL-2600V also has the capability to be powered through PoH provided by the PUV-2600RX, allowing for even greater flexibility.

You can control these units using front panel controls, WebGUI, Telnet, Triggers, and RS-232. However, our new Universal Device Controller, the CR-UDC1, is the ultimate control solution for any CYP & 3rd party devices within the same local network. The powerful automation event editor supports scheduling, physical trigger activation, device monitoring and direct device polling to control the actions of devices. It's the ideal central control unit for conference rooms or large event venues!



HDMI & DisplayPort inputs supports 4K@60Hz (4:4:4, 8-bit)



Driver Ready Allows Third-Party Control, i.e., Crestron, Control 4, AMX and Telnet



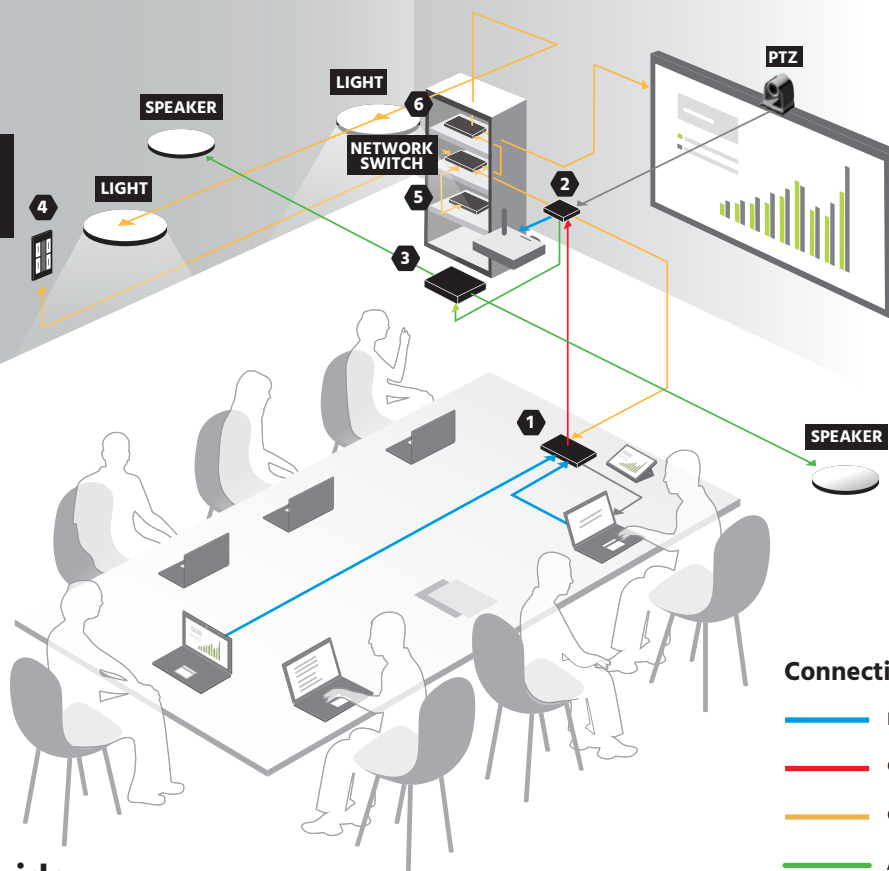
PoH (Power over HDBaseT) and Bi-directional Ethernet, RS-232, USB & IR



Selected source can be transmitted over Cat.6/7 cable up to 100m (4K@60Hz, 4:2:0)

Diagram

Conference Room



Selection Guide

Model	Description	Main Features
1 EL-2600V	UHD 4 x 2 Matrix switcher with flexible USB connectivity	<ul style="list-style-type: none"> Multi input output 4 by 2 matrix 4K@60Hz compatible HDBaseT2 output PoE power option
2 PUV-2600RX	Specialist HDBaseT Receiver 2x2 Matrix	<ul style="list-style-type: none"> Designed to partner EL-2600V Bi-directional USB 4K@60Hz compatible
3 AU-A220	Mini Stereo Amplifier 2x20W	<ul style="list-style-type: none"> Analogue & optical inputs Compact design RS-232 Control
4 CR-KP4	8-Button Control Keypad	<ul style="list-style-type: none"> 32 macros for controlling user equipment Up to 128 total commands can be stored Controllable via keypad, Telnet and WebGUI
5 CR-UDC1	Universal Device Controller	<ul style="list-style-type: none"> Powerful & flexible control solution CYP & 3rd party device control Direct HDMI & USB connected for WebGUI programming
6 CR-CS2	IP to Relay, IR & RS-232 Controller	<ul style="list-style-type: none"> 26 user defined macros 8 trigger inputs 4 relay triggers 4 IR outputs

Commercial Solution

Huddle Space



We understand the challenge to design a workspace that allows users to have a flexible and highly efficient means of sharing content from various sources, which is why our new 3x2 Matrix switcher with a built-in wireless presentation system, the OR-32WPS-SDMI, has been designed with these requirements in mind.

Not only does the OR-32WPS-SDMI have two of the most common forms of video inputs that can be found on most modern-day matrices, HDMI &

USB-C, but by including a Wireless input connection, the user can now cast their content over WiFi to a pair of HDMI outputs without the need of messy cabling or dongles.

This matrix also includes a USB 3.0 hub with two host ports (Type B and Type C), plus two device ports (Type A) for a flexible KVM configuration. This unit is controllable via front panel controls, WebGUI, Telnet and RS-232, or by using our new CR-KP4 8 button keypad to switch between different presets.



Supports 4K@60Hz (4:4:4, 8-bit) HDR10 and Dolby Vision



Dongle-free wireless input connection compatible with Windows, macOS, Android & iOS



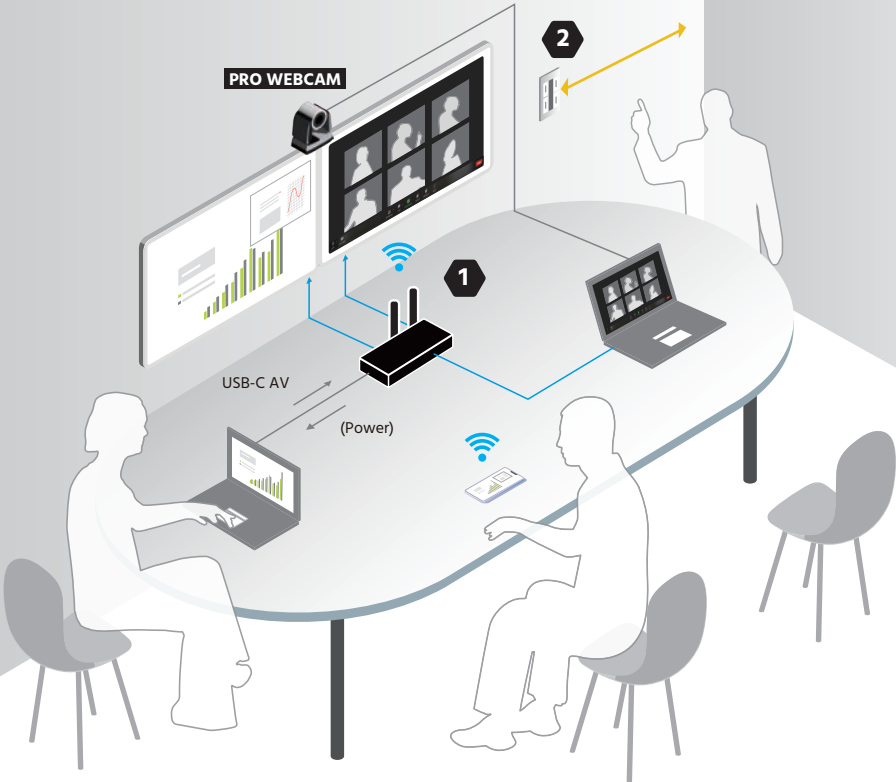
USB-C port supports USB 3.0 speed, device powering 20V/3A and one gigabit Ethernet at best



HDMI Output Port A supports down-scaling a 4K signal to 1080p@60Hz

Diagram

Huddle Space



Connecting Diagram

- HDMI
- USB
- Control LAN (POE)

Selection Guide

Model	Description	Main Features
1 OR-32WPS-SDMI	UHD+ 3x2 Matrix Switcher with USB Ethernet Hub, plus built-in Wireless Presentation System	<ul style="list-style-type: none">HDMI Output Port A supports downscalingUSB-C powering 20V/3AWireless system compatible with Windows, macOS, Android & iOS
2 CR-KP4	8-Button Control Keypad	<ul style="list-style-type: none">32 macros for controlling user equipmentUp to 128 total commands can be storedControllable via keypad, Telnet and WebGUI

Commercial Solution

Situation Room







In military situation rooms or command centers, where crucial decisions are made during times of crisis, it is vitally important that the content being transmitted to the central video-wall and surrounding screens experiences minimal latency. This is why SDVoE is the go-to solution for military grade installations, where users experience the best quality over a 10G CAT or Fibre network. Our SDVoE Transceivers, which can be programmed to be either a Transmitter or Receiver, have the ability to form a distributed video matrix, a multi-viewer system, or a video wall system.

The SDVoE Master Controller, SDV-CS8, provides an effortless configuration and control tool for all the

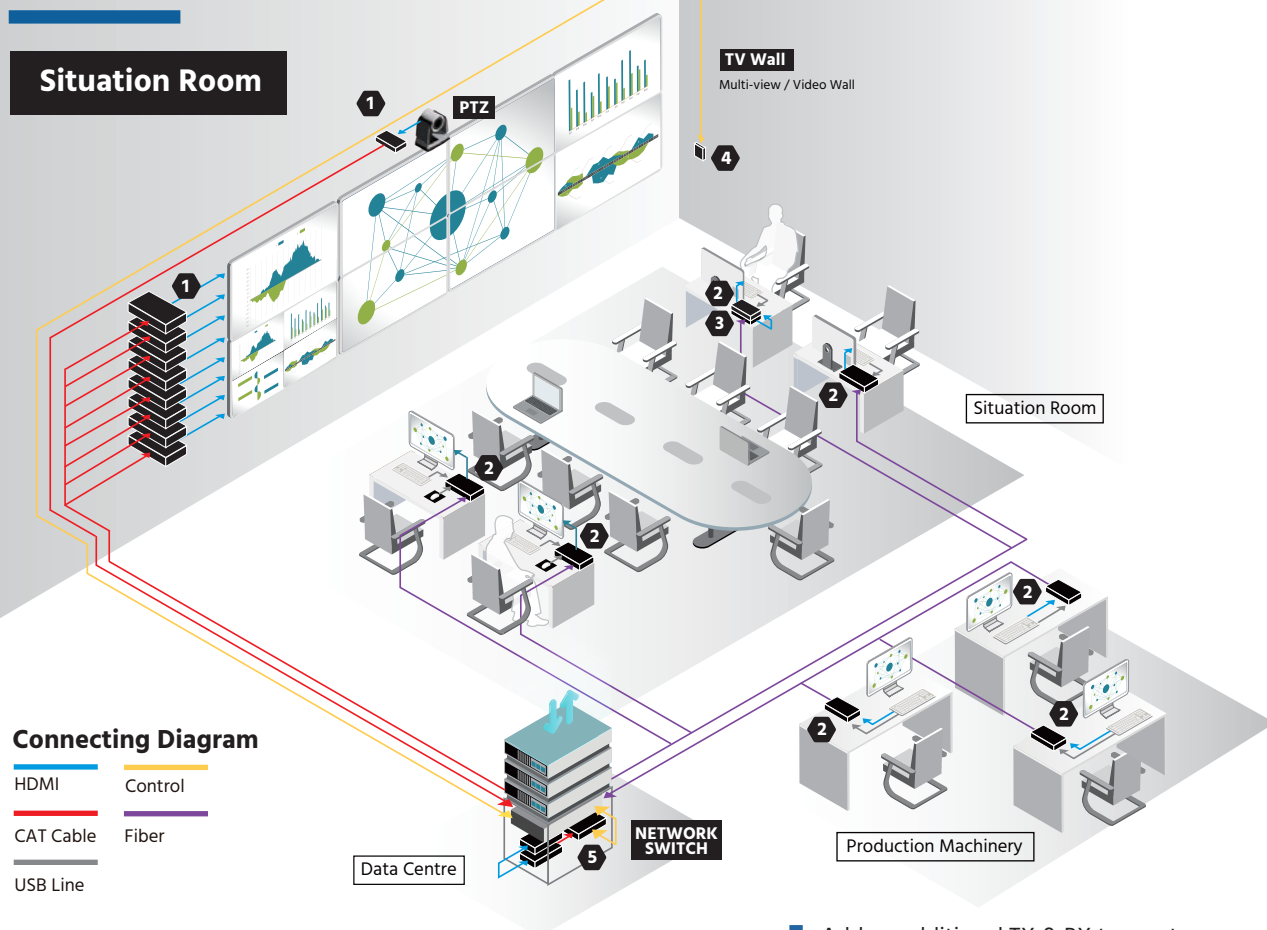
SDVoE extenders that are on the same network.

Our brand new SDVoE Transceiver, SDV-FTRX-U, integrates a USB hub on each Transceiver that can be configured to be in USB Host or Device Mode. Each device can function as a simple point to point KVM extension, be freely routed between any two endpoints, or can be configured into a special "Simultaneous" mode, allowing up to 7 Host Mode Transceivers to extend their USB ports to a single Device Mode Transceiver. This type of USB KVM routing flexibility enables a wide range of multi-user, control room, or on-demand installation scenarios.

	Transmit 4K HDR (6G) signals over a 10G IP Network		USB KVM routing flexibility
	Create and configure video-wall & multi-view arrangements using the SDVoE Master Controller, SDV-CS8		Ultra-low latency

Diagram

Situation Room



Selection Guide

Add an additional TX & RX to create any form of Multiview inside any Videowall

Model	Description	Main Features
1 SDV-CTRX (RX mode)	SDVoE 4KUHD (6G) HDMI over CAT Transceiver	<ul style="list-style-type: none"> • 10G Based AV over IP • Ultra-low latency • 4K@60Hz 4:4:4 Transmission
2 SDV-FTRX-U (TX mode)	SDVoE 4KUHD (6G) HDMI over Fiber Transceiver	<ul style="list-style-type: none"> • 10G Based AV over IP • HDMI local monitor output when in Transmitter mode • 4K HDR transmission
3 SY-XTREAM	HDMI to USB 3.0 Capture & Recorder	<ul style="list-style-type: none"> • Auto 4K Scaling for 1080p Streaming • Windows, macOS or Linux support • OBS or similar streaming software
4 CR-KP4	8-Button Control Keypad	<ul style="list-style-type: none"> • 32 macros for controlling user equipment • Up to 128 total commands can be stored • Controllable via keypad, Telnet and WebGUI
5 SDV-CS8	SDVoE Master Controller	<ul style="list-style-type: none"> • Powerful & flexible controller for all SDVoE hardware • Drag & Drop Control • HDMI & USB output for direct WebGUI access

Education Solution

Hybrid Classroom



Whether it's a small classroom or a large lecture hall, the most important aspect of any audio visual installation in the Education market is to enhance the learning experience as much as possible.

With hybrid classrooms becoming more and more prevalent in today's world, interaction is key. Our Hyshare WPS-QPM01 allows students to plug in and share their content effortlessly, without the need of installing CAT cabling. Our new Multi-viewer with

Streaming, the OR-XT42PIP-SDMO, allows up to four 4K UHD and HDR HDMI sources to be displayed using a variety of multi-window modes through the HDMI output, whilst simultaneously streaming the incoming audio and video at 1080p and allowing the user to capture the session by connection a USB Capture device to the USB 3.0 port.



Advanced H.264 video streaming and recording is provided up to 1080p@60fps



Supports easy adjustment of window size, position and settings in the PiP windowing mode



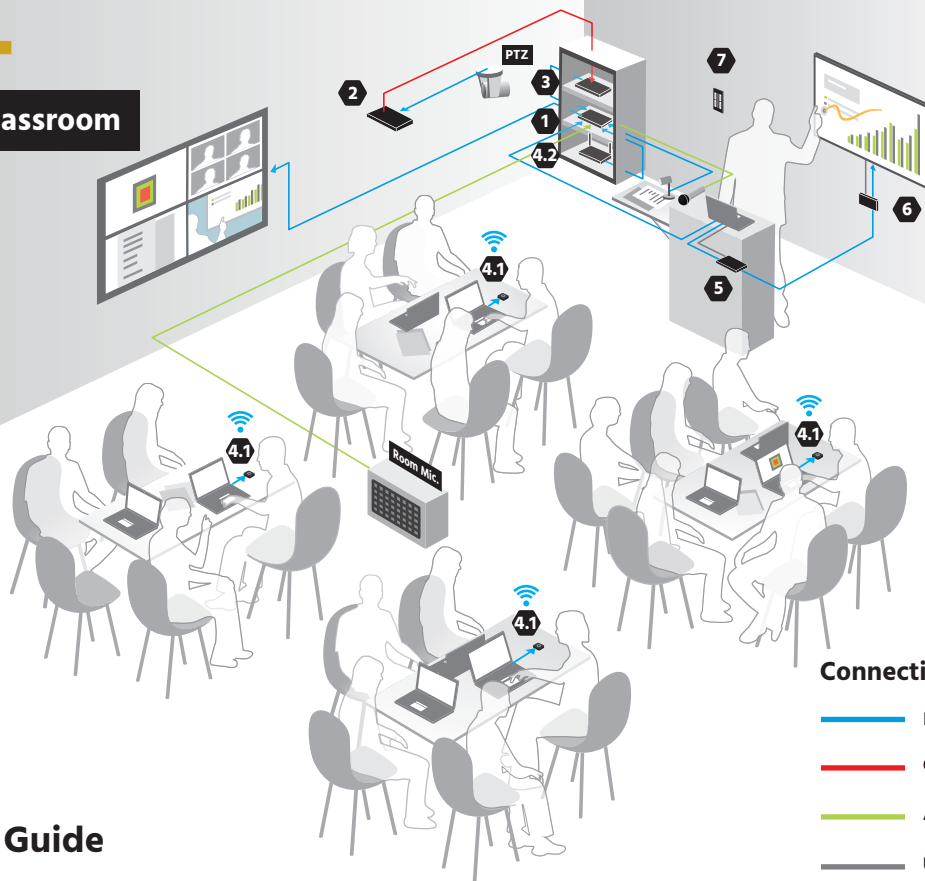
Hyshare offers compatibility with Windows, macOS and Android



No app required. 802.11ac 5GHz Wi-Fi transmission

Diagram

Hybrid Classroom



Selection Guide

Model	Description	Main Features
1 OR-XT42PIP-SDMO	Multi-View with Streaming Solution	<ul style="list-style-type: none"> • Easy settings the PiP window via the WebGUI • Advanced H.264 video streaming and recording
2 AVX-101C-KIT(TX)	HDMI Over Cat Transmitter	<ul style="list-style-type: none"> • Point to point extension of up to 4K60 4:4:4, HDR10 • Extension up to 100m using Cat6A/7 cable
3 AVX-101C-KIT(RX)	HDMI Over Cat Receiver	<ul style="list-style-type: none"> • Supports pass-through of 10/12-bit HDR sources • PoE PD device powering, HDCP 1.x, 2.2 compatible
4 WPS-QPM01	Wireless Presentation System 4.1 Transmitter 4.2 Receiver	<ul style="list-style-type: none"> • Compatible with iOS, Android, Windows, macOS • Supports 1080p input and 4K@30 output • Supports up to 4 split screens
5 PUV-3050TX-UA	UHD+ HDMI over HDBaseT3 Transmitter with USB2.0 pathway	<ul style="list-style-type: none"> • Supports uncompressed HDMI 2.0, 18Gbps, 4K HDR • 2 USB 3.0 Type-A device ports and 1 USB-C host port
6 PUV-3050RX-UA	UHD+ HDMI over HDBaseT3 Receiver with USB2.0 pathway	<ul style="list-style-type: none"> • Transmission distances up to 40m using Cat.6a/7 • HDMI audio extraction/analogue audio bypass
7 CR-KP4	8-Button Control Keypad	<ul style="list-style-type: none"> • 32 macros for controlling user equipment • Up to 128 total commands can be stored • Controllable via keypad, Telnet and WebGUI

Education Solution

Lecture Hall



For larger Lecture Hall installations, our 1G AV over IP range, the IP-7000 series, provides a flexible and future-proof solution. You are not restricted by fixed amounts of HDMI inputs & HDBaseT outputs from traditional Presentation switchers and matrices. If you ever need to expand the system throughout the University, it is incredibly easy to add new IP Transmitters and Receivers, all configured and controlled through our IP-CS7 Master Controller.

By including an additional IP-7000RX and connecting it to the HDMI input of the IP-XTREAM-R, you can stream your lecture to remote viewers.

The possibilities are endless with the IP-7000 series, especially when designing an efficient and impressive education install.



4K Multi-cast signal routing



Recorded video can be stored on the locally inserted SD card, USB storage, or a designated network drive



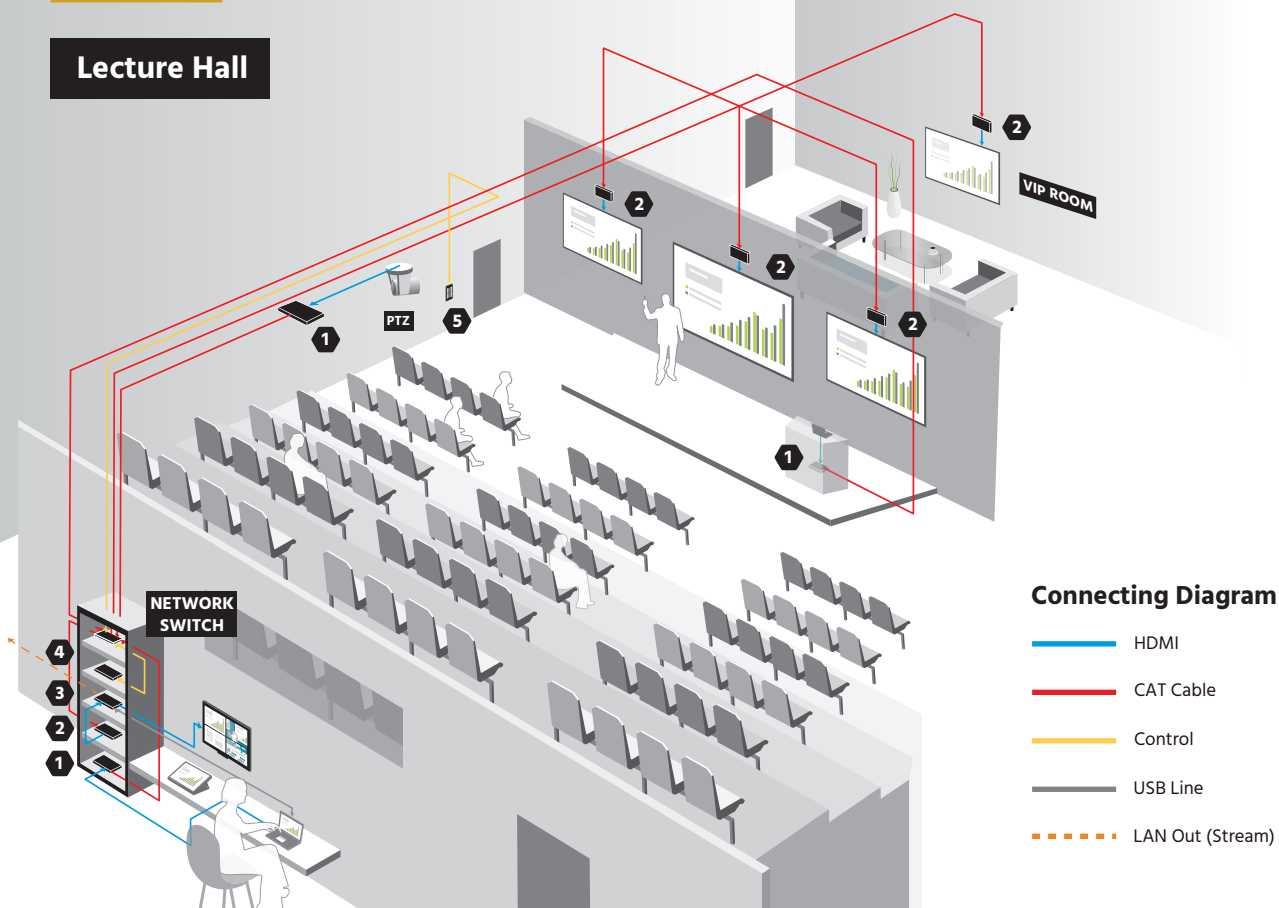
Simple drag and drop control of input sources with visual preview



Supports all typical streaming services e.g. Facebook, YouTube & Twitch

Diagram

Lecture Hall



Selection Guide

Allow your lecture to be streamed, by adding an extra IP-7000RX and connecting it to the HDMI input of the IP-XTREAM-R!

Model	Description	Main Features
1 IP-7000TX	HDMI or VGA Video Transmitter (4K) over IP/CEC/PoE	<ul style="list-style-type: none"> Can be powered directly by PoE Supports KVM
2 IP-7000RX	HDMI or VGA Video Receiver (4K) over IP/CEC/PoE	<ul style="list-style-type: none"> AV over IP Up to 100m Cat Cable
3 IP-XTREAM-R	Stand-alone Streaming & Recording System	<ul style="list-style-type: none"> Scales 4K sources to 1080p for USB capture/streaming Supports capturing 2 channel digital audio Integrated support for live streaming
4 IP-CS7	IP System Controller & Configurator	<ul style="list-style-type: none"> Easy configuration Dual LAN Connectivity Simple drag & drop control
5 CR-KP4	8-Button Control Keypad	<ul style="list-style-type: none"> 32 macros for controlling user equipment Up to 128 total commands can be stored Controllable via keypad, Telnet and WebGUI

Hospitality Solution

Sports Bar



AV over IP is already making an enormous impact in the hospitality market. The demand for a complete flexible & scalable solution to accommodate for a virtually limitless number of sources and displays has never been greater. Using our IP-7000 series and the IP-CS7 Master Controller, you are able to group a certain amount of Transmitters to Receivers, create Video Walls and scale the HDMI output of the IP-7000RX to overcome any resolution conflicts.

The IP-CS7 comes with an intuitive Drag-and-Drop interface with live previews, showing what each device is displaying.

Our new Audio over IP products, the IP-A750TX & IP-A750RX, opens the doors to more possibilities, allowing the extension of analogue Line & Mic and digital S/PDIF and TOSLINK® inputs over your 1G Network. These products fully integrate into our 1G IP-7000 series to add even more flexibility.



4K Multi-cast signal routing



Support for learning IR remote codes for on-demand retransmission



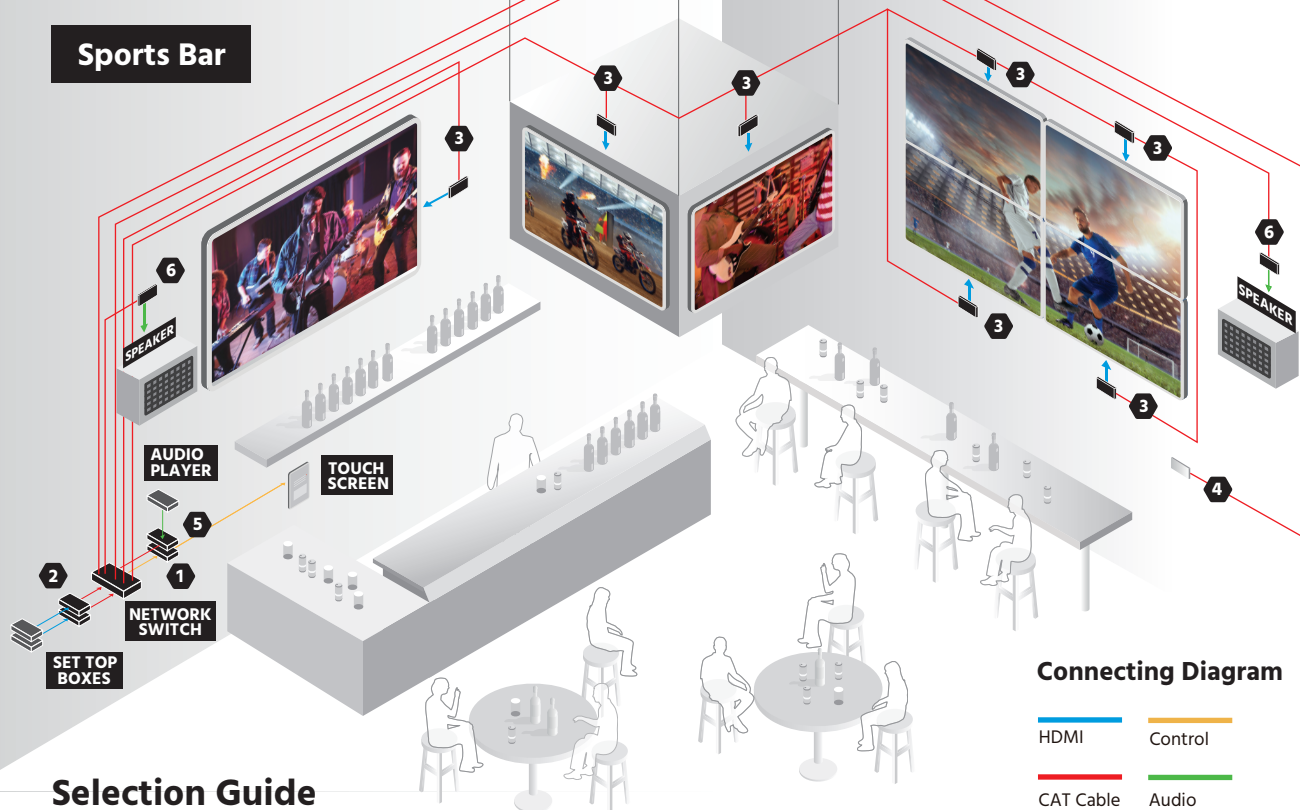
Control your sources and the matrix by using CYP intuitive drag and drop application via a touch screen or mobile tablets



Driver Ready Allows Third-Party Control, i.e., Crestron, Control 4, AMX and Telnet

Diagram

Sports Bar



Selection Guide

Model	Description	Main Features
1 IP-CS7	IP System Controller & Configurator	<ul style="list-style-type: none"> • Effortless Configuration • Multiple modes • Drag & Drop Control
2 IP-7000TX	HDMI or VGA Video Transmitter (4K) over IP/CEC/PoE	<ul style="list-style-type: none"> • 1G AV over IP • Flexible Installations • USB Transmission
3 IP-7000RX	HDMI or VGA Video Extender (4K) over IP/CEC/PoE	<ul style="list-style-type: none"> • 1G AV over IP • Scaler • USB Receiving
4 IP-7000TXWP	HDMI or VGA Video Wall Plate Transmitter (4K) over IP/CEC/PoE	<ul style="list-style-type: none"> • 1G AV over IP • Flexible Installations • Wall mounting
5 IP-A750TX	Audio over IP Transmitter for IP-7000 Series	<ul style="list-style-type: none"> • Fully compatible with 1G AV over IP system • Confirming LED's • Analogue, Mic & Optical input
6 IP-A750RX	Audio over IP Receiver for IP-7000 Series	<ul style="list-style-type: none"> • Fully compatible with 1G AV over IP system • Analogue & Optical outputs • Physical volume knob

Residential Solution

Small Apartment



Gone are the days where only large luxury residential properties can utilise & experience the latest and greatest audio visual equipment. Our compact multi-room Matrix, the MA-421, has been thoughtfully designed to be the perfect solution for apartments and smaller residential installations.

Using CYP's AVLC (Adaptive Visually Lossless Compression) technology, the two HDBaseT outputs are able to pass 4K60 and 4K HDR/Dolby® Vision, whilst the on-board amplifier adds sound reinforcement by using the ARC audio return pathway to pull the audio signal back from the connected TV to the built-in amplifier and line

output, making it the perfect partner with any soundbar or bookshelf speakers you may wish to use!

Any of the three outputs can be scaled to accommodate a 1080p display that might be included in your home set up , whilst IR control with learning function (RS-232 and WebGUI is also available) enables it to be used with a programmable remote control. To further enhance the user-experience, our new CYP Control app can be programmed with all sources and display device controls, offering a single universal remote control for the whole system.



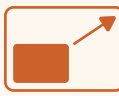
Supports 4K@60Hz (4:4:4, 8-bit) HDR10 and Dolby Vision



Support for learning IR remote codes for on-demand retransmission



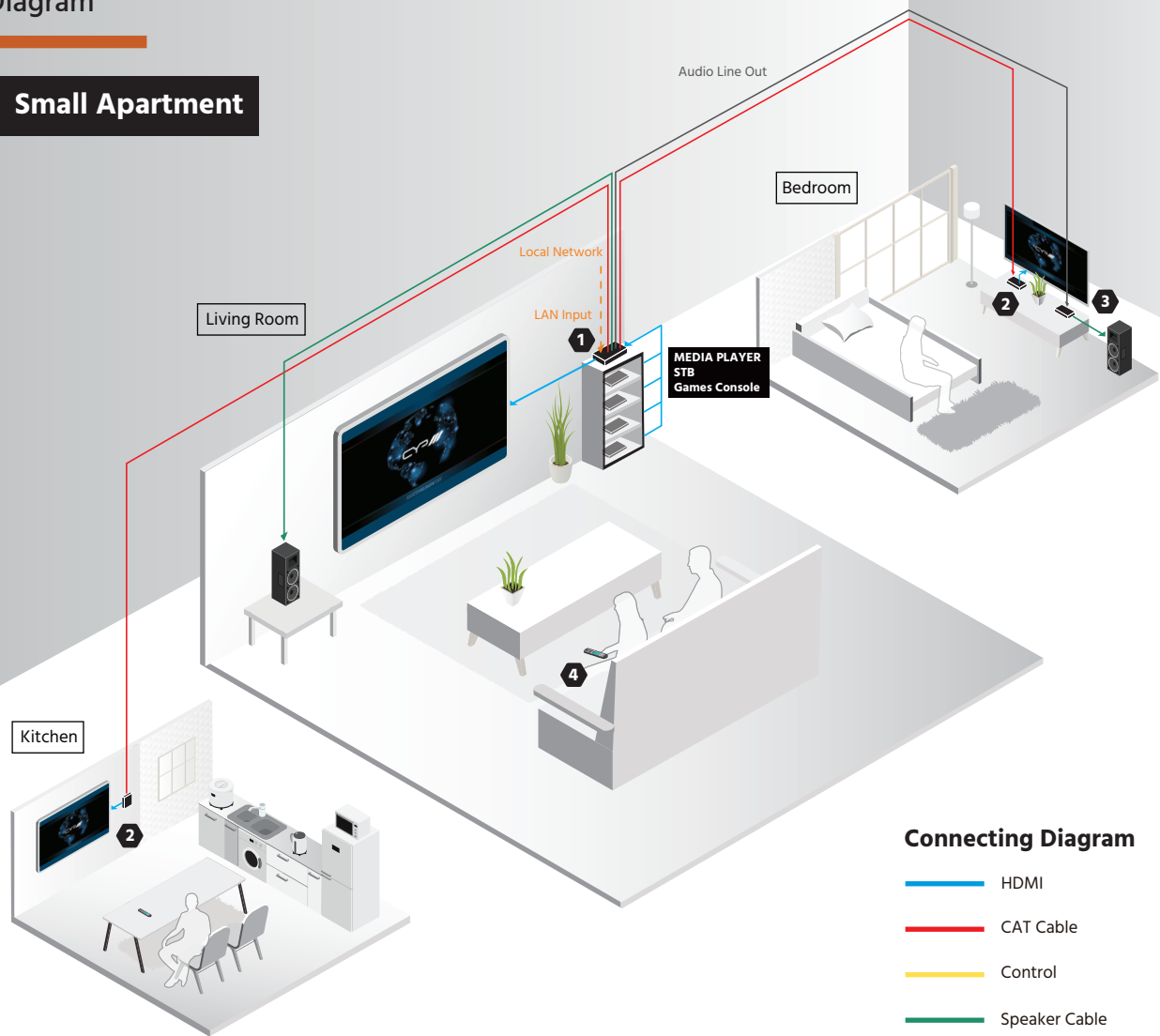
Control your sources and the matrix using the CYP Home App from the Apple App Store and Google Play Store



Per-output, selectable, 4K to 1080p down-scaling/colour space conversion (4:4:4 to 4:2:0)

Diagram

Small Apartment



Connecting Diagram

- HDMI
- CAT Cable
- Control
- Speaker Cable
- LAN Input

Selection Guide

Model	Description	Main Features
1 MA-421	4x2+1 HDMI Input & HDBaseT/HDMI Output Matrix and 20W Amplifier	<ul style="list-style-type: none">• AVLC Technology on both HDBaseT Outputs• Full 4K60 and 4K HDR/Dolby® Vision compatibility• All outputs can downscale to 1080p• IR control with learning function for programmable remote controls
2 PUV-1710PL-RX	4K UHD & HDR HDBaseT Receiver	<ul style="list-style-type: none">• AVLC Technology• Supports up-to 4K UHD (18Gbps, 4K@60Hz, 4:4:4)• 4K 3G Distance up to 70m, 4K 6G Distance up to 35m
3 AU-A220	Mini Stereo Amplifier 2x20W	<ul style="list-style-type: none">• Analogue & optical inputs• Compact design• RS-232 Control
4 MA-421 APP	CYP MA-421 Control App	<ul style="list-style-type: none">• Program all sources and display device controls• Available on Apple App & Google Play Store• Incredibly easy to configure and use

Medical Solution

10G AV over IP Streaming System H.264/265



As we are all aware, the training period for medical students is a very long process spanning up to 10 years in some cases. With the assistance of ground-breaking technology, surgeons are now able to learn via audio and video recordings made by their peers across the world. This technological development has drastically increased efficiency in the training process.

These CYP medical integration solutions can simultaneously handle multiple image source switching, data capture, video recording, and content playback, without distortion or information loss, via the local internet of the medical institution,

greatly increasing access to critical imagery, video, and data. In addition, integrated support for cloud sharing allows for real-time monitoring of medical imagery, via a medical institution's external network, on authorized medical staff's portable mobile devices, such as smartphones and tablets.

It can also be used to integrate a wide range of medical diagnostic equipment, such as ultrasound, endoscope, vital signs, anesthetic machines, and more. This CYP medical integration solution has already been successfully implemented in major hospitals and medical institutions around the world.



Supports multiple input output interfaces and Multi-Window Display



Able to extend 4K video without distortion



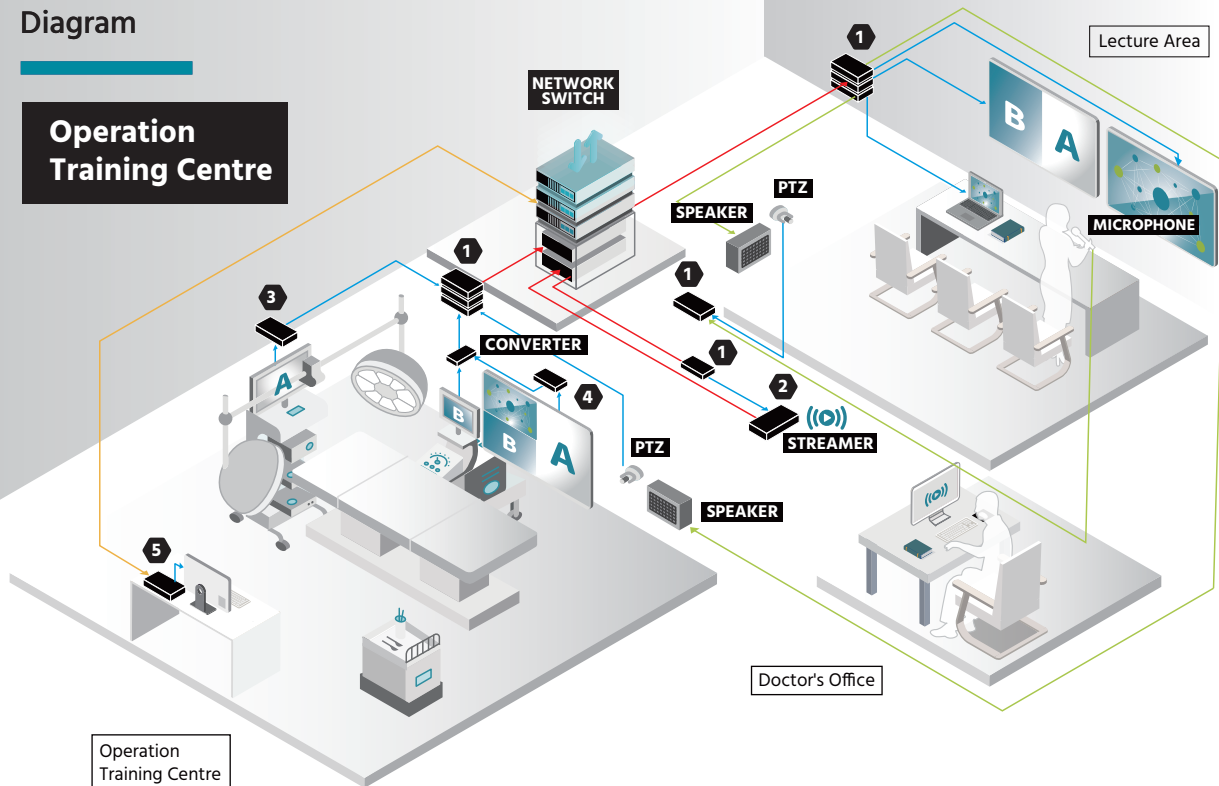
Streamline video and image management



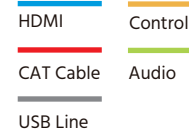
Sharing with students and other specialists at remote locations

Diagram

Operation Training Centre



Connecting Diagram

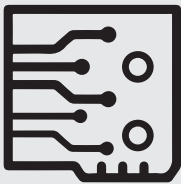


Selection Guide

Model	Description	Main Features
1 SDV-CTR	Audio over IP Receiver for IP-7000 Series	<ul style="list-style-type: none"> • 10G Based AV over IP • Ultra-low latency
2 OR-XT42PIP-SDMO	Multi-view with Video Capture	<ul style="list-style-type: none"> • Effortless Configuration • Multiple modes • Simple Setting Access
3 MED-VPR-6110	Digital Video Recorder	<ul style="list-style-type: none"> • 3.5" build-in display for preview/playback • Auto-Signal detection and auto-resolution setting • Multiple format Inputs & Pass-Through (One video source at once)
4 MED-VPR-8430	PC-based Multi-viewer with Capture	<ul style="list-style-type: none"> • Power-isolated HDMI, RS-232, and LAN ports • Video source previewing • Intel processor
5 SDV-CS8	SDVoE Master Controller	<ul style="list-style-type: none"> • Powerful & flexible controller for all SDVoE hardware • Drag & Drop Control • HDMI & USB output for direct WebGUI access

Industrial Solution

Our expertise lies in the development and integration of embedded systems, including the utilisation of a wide array of MCUs, ARM architecture, kernel-level Linux programming, and device driver development. We specialize in designing products from a diverse perspective with an insightful view towards future requirements.



PCB Design

Multilayer PCBs including blind and buried vias as well as 10-degree and arc trace routing.



Firmware

Designing products from a diverse perspective with an insightful view towards future requirements.



API & SDK

Enables system integrators to create customer-specific environments to control the functionality of our products.



Compatibility

Analyze products from a comprehensive perspective, and thus ensure a high degree of compatibility.



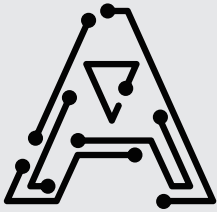
Reliability

Including thermal shock, vibration, drop, as well as environmental operation temperature tests



Production Service

Flexible production line configurations has the ability to fulfill different customer-specific requirements.



AVoIP

CYP has been committed to the development of AV over IP products, using a variety of technologies for years. From industry standards such as Dante or SDVoE, to more proprietary AVoIP solutions, we are sure to have a solution that can meet the signal type, distribution needs and bandwidth requirements of our customers' installations.



HDBaseT

CYP has many years of experience developing HDBaseT compatible products. We can always meet our customer's needs with high quality products.



AV Stream

Adapting to the changing times, CYP has integrated network streaming technology into our pro-AV solutions and launched a series of easy-to-use and industry compatible A/V streaming products. To always strive for the cutting edge is our promise to our customers.



Control System

CYP's control systems are easy-to-use and compatible with a wide range of products. With our simplified configuration process, controlling your entire system just becomes so easy.



AV Essentials



The perfect installation partner for AV installers. Testing the integrity of any cable prior and during installation is crucial, particularly with high bandwidth HDMI cables.



Our cables are all certified by the HDMI Forum, meaning that you can use them with the confidence that they will deliver to the correct specification everytime.

Signal Analyser & Cable Tester

Model	Description	Main Features
XA-3P	Portable HDMI Pattern Generator, Analyser & Cable Tester (4K, HDCP2.2, HDMI2.0)	<ul style="list-style-type: none">Built-in Down-Scaling from 4K to 1080pSCDC Input/Output monitor23 selectable output resolutions
XA-4	Advanced HDMI Pattern Generator & Analyser (4K, HDCP2.2, HDMI2.0)	<ul style="list-style-type: none">Various selectable output resolutionsSupports external stereo audio

HDMI Cables & Enhancers

Model	Description	Main Features
HDMU	Ultra High Speed certified 8K cable	<ul style="list-style-type: none">Rising Content StandardUltra High Speed Transmission and SwitchEnhanced Audio QualityAnti-Counterfeiting System
HDMP	Premium HDMI Cable	<ul style="list-style-type: none">Premium ContentUltimate Signal TransmissionDurability
HDMI2-Ultra Slim	High Speed with Ethernet HDMI Cable	<ul style="list-style-type: none">HDMI 2.0 & 4K CertifiedUltra Slim and FlexibleDurability & Stable Transmission

Our range of installation essentials has been assembled based on real-world feedback from installers in the field. Consisting of everything an AV installer requires on a daily basis, this concise range includes everything from cables, signal converters, embedders and de embedders through to signal analysers, cable testers and power injectors.



Power Injector & Protection

Strengthen Signal Path for HDBaseT and HDMI Products

Whether needing to add PoE/PoH for an HDBaseT installation or wanting to apply additional protection to HDMI devices, these tools could prove to be vital on-site essentials.



Signal Converters

Scale the Input to Suit the Supported Screen Resolution. One plug fits all, right?

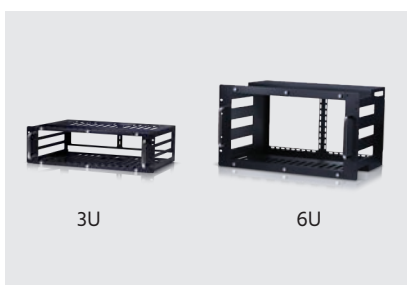
Sadly not, which is why we have a comprehensive range of signal convertors for every application.



Professional EDID Management

Provide Adjustment of HDMI/DVI EDID Information

Compatibility can be a real headache, particularly when integrating new devices with older generation models.



Neat AV setup

Offer Ideal Solutions to House Multiple Components

There is nothing better than an installation that not only operates correctly, but which is also well laid out and organised.

We deliver market-leading ProAV solutions



COMMERCIAL



EDUCATION



HOSPITALITY



RESIDENTIAL



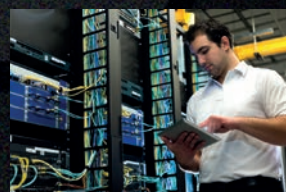
MEDICAL



GAMING



INDUSTRIAL



AV ESSENTIALS



CYP (UK) Ltd.

Sales Support: +44 (0) 20 3137 9180 (Service Time: 9.00am- 5.30pm)

Email: sales@cypeurope.com

Unit 7, Shepperton Business Park, Govett Avenue, Shepperton TW17 8BA, UK

