vSolution Cynap™ Presentation, Collaboration & Knowledge Sharing

Just like in the human brain where synapses are essential for rapid processing and transmission of information, the Cynap presentation and collaboration system, is a powerful, multi-functional, flexible interface, providing quick and easy access to information of all types from any source. It is the ideal system for inspiring engagement, interaction, and collaboration, in education, business and courtroom environments. With its optional feature pack, Cynap also functions as the 'main station' of our vSolution MATRIX collaboration solution.

Media player: Information on demand

Cynap plays, displays, records, and streams all commonly used media simultaneously, providing incredible versatility during meetings, lectures, and collaborative sessions. Information is easily available, whether stored locally or in the cloud, and files are also accessible for playback using a connected USB stick.

Video recording / Lecture capture agent

Full HD video recording captures all types of content materials, making flexible recording of multi-source, multimedia educational content easier than ever before.

Adding the optional Capture Feature Pack enables Cynap to also act as a capture agent for Panopto and Opencast video management platforms.

Webcasting: Efficient knowledge sharing

Our optional Webcasting Feature Pack makes it simple to stream content for live or on-demand viewing via platforms such as Wowza, YouTube, Facebook Live. Additionally, students or work colleagues on the same network as the presenter can receive and record a stream to their mobile devices using our vSolution App.

Wireless presentation: Bring your own device (BYOD)

Cynap offers an all-in-one wireless BYOD solution suitable for all smartphones, tablets and laptops. AirPlay, Chromecast, and Miracast mirroring is supported, and up to 4 devices can connect without needing extra apps, dongles or additional software, and display on-screen content simultaneously in up to 4K output resolution.

> "Cynap is a powerful collaboration system that enables high performance presentation, recording, and distribution of all types of multimedia content material"
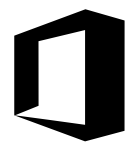>
> *Douglas Marsland -*
> *Head of Audiovisual Services.*
> *Heriot-Watt University, Edinburgh, UK.*

Office 365 Feature Pack

The Office 365 Feature Pack provides access to popular Office 365 apps such as Word, PowerPoint, Excel, Outlook, Skype for Business, and OneNote (active Office 365 account required).

Access to Zoom meetings

Cynap provides support for Zoom video meetings. It's possible to start an instant meeting or join a scheduled Zoom meeting directly from within a Cynap system.

Whiteboard and annotation

Collaborate together using the built-in digital whiteboard and annotation features of the Cynap System. Written notes are easily recorded and shared, along with other multimedia information.

Meeting room scheduling

The optional vSolution Meeting Feature Pack integrates a room booking feature into Cynap which interfaces perfectly with your Outlook Calendar, and also features flexible ad-hoc in-room booking capability.
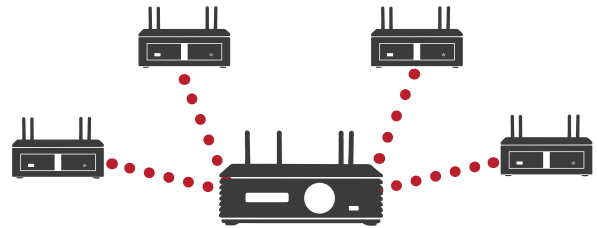
vSolution MATRIX: Networked AV-based technology for active learning

vSolution MATRIX is an AV over IP-based collaboration solution from WolfVision, which uses multiple Cynap / Cynap Core units to stream video and audio between multiple screens using existing network infrastructure.

Available as a feature pack upgrade for Cynap systems, it is ideal for active learning classrooms, training rooms, and courtrooms of all sizes, and for other applications where multiple display screens are deployed to leverage collaborative learning and working.

A single feature pack enabled Cynap unit, designated as the 'main' system in the room, is connected to multiple workstations with either a Cynap or a Cynap Core system installed. Content is shared between connected mo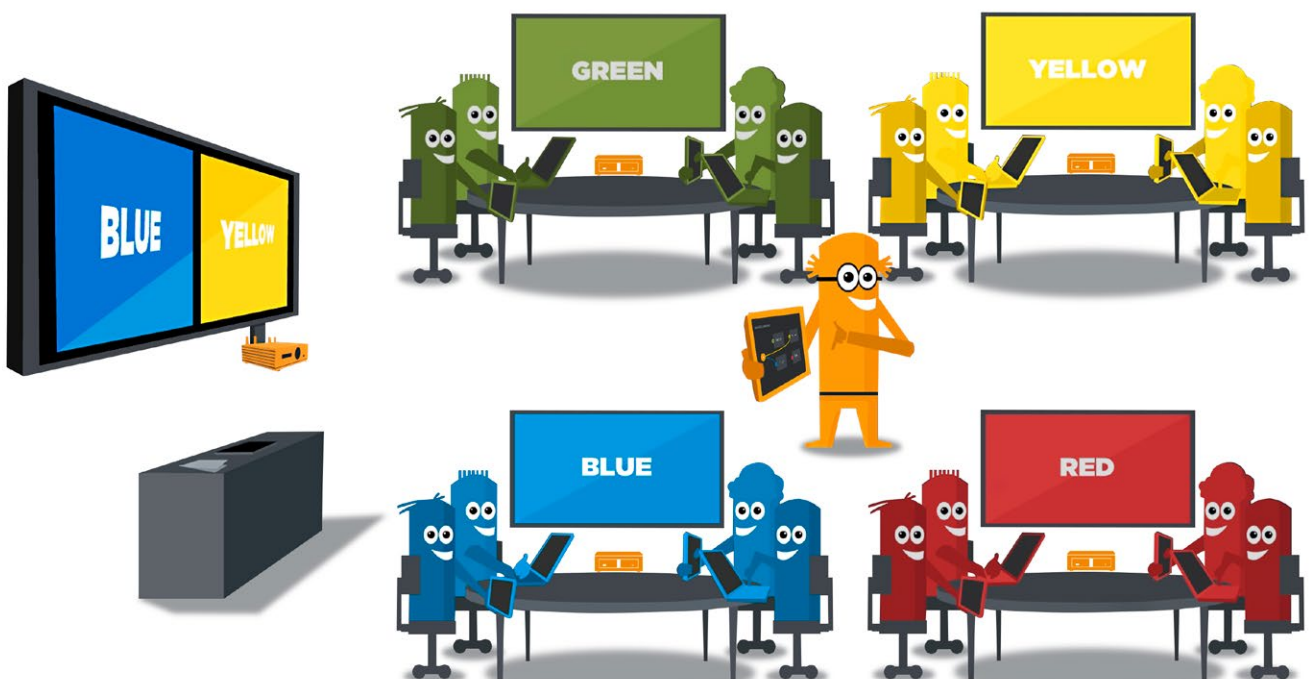nitors and the main screen in the room with all processing performed by the installed Cynap systems themselves. This eliminates the need for additional encoding/decoding hardware.

Enterprise level encryption ensures secure delivery of content materials between workstations, and this scalable, cost effective, presentation and collaboration solution gives all the performance, and reliability associated with traditional AV distribution methods.

Easy drag & drop control of multiple screens

A Cynap system at every workstation ensures an intuitive and easy-to-use collaborative working environment for all users, and the simple drag and drop interface enables content to be moved effortlessly between different screens in the room.

The Room View is used to control pushing and pulling of content between displays, and flexible configuration settings enable up to 40 workstations to be configured using either names, numbers or colours, to exactly match the actual layout of individual learning spaces.

For installations using multiple room layouts, up to 5 Room View templates can be configured and stored for use when required. Up to 5 pre-defined groups can also be set up to suit environments where content needs to be pushed to specific groups of display screens.
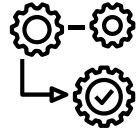
vSolution MATRIX: Key benefits

Multi-functional workspaces

Individual and multiple workstations can operate independently of the main central station, enabling room usage to be maximised. Workstations can be used separately for breakout groups, or for small groups working independently during times when the entire room is not being used.

Easy remote administration

Multiple Cynap/Cynap Core components of the vSolution MATRIX system are easily set up, managed and updated remotely using our free-of-charge vSolution Link Pro software.

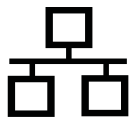## Free firmware updates, no hidden costs!

When installing up to 40 workstations, it's a key benefit that WolfVision does not charge subscription fees or apply per workstation recurring licensing costs. All firmware updates are free of charge, maximising your ROI and helping to futureproof your system.

Professional advice, proven technology!

With 250+ successful vSolution MATRIX active learning classroom installations already, you can be confident in receiving expert advice, service, and support for your chosen solution from our experienced, professional, worldwide team.

Implementation advantages!

The ability to configure three separate networks (ie. BYOD WiFi, control and admin, and internet service) offers significant advantages when planning your classroom setup.

Files at your fingertips

We know that no two classes are ever the same - and that's why our MATRIX solution lets you fetch your files from cloud, network, FTP, USB or other sources, and share them with the workstations easily - for maximum flexibility in the classroom!

App-free, dongle-free working & learning

Competitor solutions require the use of apps, dongles, and additional software in the classroom. Only WolfVision offers a true app-free, dongle-free, hassle-free learning environment for all students.

Enterprise level security

Built on a secure, unmodifiable Linux platform with 100% data encryption, and user-configurable security features, enables vSolution MATRIX to satisfy the security requirements of every organisation.

vSolution MATRIX specifications

Features

Description	Feature pack option. Activate on a single Cynap system to enable network AV functionality between multiple Cynap and Cynap Core systems
Number of Cynap systems requiring vSolution MATRIX Feature Pack	1
Maximum number of Cynap / Cynap Core stations in room	40
Additional encoders / decoders required	No
Touchscreen compatibility	Yes
Maximum stream resolution	1080p30
Annotation (Collaboration Mode)	All connected stations can annotate on a single document. Content is moderated, and annotations from specific stations can be shown or hidden as required.
Control options	Browser-based control with user-defined Room View layout
Customisable Room View layout	Yes, drag & drop configurator with user-defined stations labelled using names, numbers or colours
Room View Templates	Yes, up to 5 templates can be saved for installations using multiple room layouts
Define groups for screen content sharing	Yes, content sharing to groups from main screen possible for up to 5 pre-defined groups
Station Power On / Power Off feature	Yes
Show Screen / Show All Screens feature	Yes, status of currently displayed content on a specific screen or all screens can be checked via the Room View
Sharing content between multiple screens	Yes, push from the main station to a single client station or to all stations. Pull content from single stations to the main screen
Groupwork Mode	Enables individual stations to be used independently, without requiring the operation of the main station.
Coaching Mode	If activated, instructors can use the Room View to drag and drop content from one station directly to another, without needing to pull the content onto the screen of the Main Cynap.
Encrypted file sharing from main station to client stations	Yes, either to a single station or to all stations. Receipt of files is notified by a pop-up. Alternatively the Auto Open File option can be enabled in the settings
Network requirements	1 Gigabit Ethernet
IP Multicast Group Address range	224.3.0.0 to 224.3.0.10
Switch requirement	1 Gigabit Ethernet, Layer 2 or Layer 3 with enabled IGMP snooping
Streaming	H.264
Audio	Audio can be activated on the student stations.
Management tools, remote setup, update and management	vSolution Link Pro software (for Windows 10 Desktop, Windows Server 2012 R2 & 2016) provides admin support including centralised firmware upgrades, checking the state of a Cynap and Wake-on-LAN. A settings profile can be created and distributed to multiple Cynap systems.
Security authentication for LAN	IEEE 802.1X
Encryption of all wireless content (WLAN)	WEP, WPA2, WPA2 Enterprise or IEEE 802.1X

Please refer to Cynap & Cynap Core specifications for individual Cynap/Cynap Core system capabilities

Design and specifications subject to change!

Find out more about WolfVision solutions!

Please contact a WolfVision representative for more information, and experience the powerful performance, versatility, and usability of our unique, flexible systems and solutions for enhancing communication, collaboration, and knowledge sharing across all environments.

Your WolfVision Partner:

More information:

WOLFVISION®
www.wolfvision.com