



# vSolution Cynap™ Collaboration & Wireless Presentation System

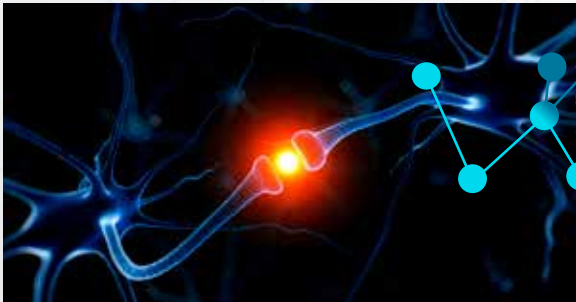


# Collaboration, wireless presentation & knowledge sharing

When you've got something to say, we believe it is important that getting your message across and making an impact should be as easy as possible.

Our aim is to help you to explain it better, to give you the freedom to share your knowledge and collaborate with others - however you want, and whenever you want, when your audience is in the same room or on the other side of the world.

**Because knowledge matters -  
to all of us.**



Just like in the human brain where synapses are essential for quick processing and transmission of information, Cynap is a unique, powerful, and flexible system, that gives you instant access to information of all types from any source.

√Solution

CYNAP





## Connecting media - connecting minds

"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.*

# 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

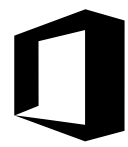
devices can connect without needing extra apps, dongles or additional software, and display on-screen content simultaneously in up to 4K output resolution.





**Office 365 Feature Pack**

The Office 365 Feature Pack provides access to popular Office 365 apps such as Word, PowerPoint, Excel, Outlook, Microsoft Teams, 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.





All files. All locations. All devices.



++ Video ++

### Knowledge sharing any way you choose!

Cynap plays, displays, records, and streams all commonly used media simultaneously, giving you unlimited choice of materials during presentations, lectures, and active learning classes. Everybody can access files easily from almost any source, enabling convenient playback via Cynap.

## All your files at your fingertips

- >> Cloud services
- >> Network drives
- >> USB drives
- >> All wireless or wired devices



## Capture your content: & record to mobile devices

Cynap is perfect for Full HD recording of presentation content material for use in online learning environments. For business applications, Cynap offers a quick and easy way to record, archive, and share meeting and training content.

### **Panopto & Opencast compatible**

The optional Capture Feature Pack can be used for automated/manual recording and distribution of your content materials. The capture agent is compatible with either Panopto or Opencast services for secure, reliable, scheduling, processing, management, and intelligent distribution of academic and corporate video recordings.

### **vSolution App**

#### **Capturing our own personalized recordings!**

In addition to Cynap's powerful internal recording capability, our vSolution App for iOS, iPadOS, Android, Windows, and Mac, lets students or work colleagues receive and record a live stream of presentation or lecture content from Cynap onto their own mobile smartphones and tablets.

You can even personalize your own copy of the recorded stream by adding notes and annotations in real-time.



++ Video ++





## Web conferencing options!



zoom

### **Better collaborative working and learning**

For effective communication between remote participants, support for Zoom meetings is provided, and additionally, a Microsoft Teams Client can be integrated into Cynap as part of the optional Office 365 Feature Pack if required. All multi-window content displayed on Cynap can be transmitted at the same time. A WebRTC web conferencing solution is also provided.

### Stay connected:

- >> Support for Zoom meetings
- >> Microsoft Teams Client  
(Point to point connection)
- >> WebRTC integration (Pexip + more)





## Bring your own device (BYOD)

### No. 1 for wireless connectivity!

Our Cynap System provides the most comprehensive BYOD solution currently available. We offer compatibility with all iOS, iPadOS, Android, Windows, Mac, and Chrome OS devices, and our built-in support for AirPlay, Chromecast and Miracast mirroring means that it's simple to connect, using the technology that's already built in to your own mobile device - no apps or dongles required!

### Control Cynap using your mobile device.

We've also made it super easy to control Cynap using any mobile device - HTML technology enables you to connect and control Cynap from your laptop, smartphone or tablet using any current web browser.



++ Video ++

## Going wireless!

- >> No apps needed to connect
- >> No dongles to lose
- >> Screen mirroring for all devices (iOS, Android, Windows, Mac, Chrome OS)
- >> 4 on-screen windows
- >> Touchback function (Miracast): control your laptop using a touch screen display



>> AirPlay

>> Chromecast

>> Miracast

>> vSolution Cast

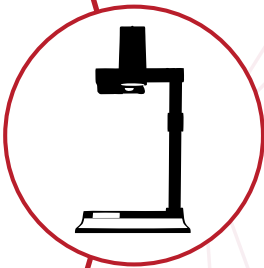


# Key system benefits!



## You are in control!

No other collaboration system is as flexible as Cynap - you can control it however you want! Multi-touch display, mobile device, room control system, remote control, Visualizer, web browser, keyboard and mouse - the choice is yours!



## 'Best of both worlds' – connecting a Visualizer

When you want to show 'live' materials on-screen, adding a WolfVision Visualizer system is the most effective way to combine presentation content from both digital and physical sources - and changing media frequently, really helps audiences remember more of your presentation content!



## Protect your data!

Network security is a key consideration when introducing a wireless collaboration solution into your organization. We use the following technology to keep your data safe:



High level  
secure Linux  
system



Integrated  
Firewall  
protection



802.1x secure  
LAN and WLAN  
authentication



Enterprise level  
encryption



HTTPS encryp-  
ted connections



Feature lock  
options



More information:



WolfVision systems, software and apps are regularly updated. For the latest detailed information on new innovations, features, and functionality, please visit our website: [wolfvision.com](http://wolfvision.com)

# Technical specifications



Cynap connectors



Cynap connectors with HDBaseT option



Cynap Remote Control

## Features

Operating system	Linux operating system, 8GB memory, 120GB internal storage
Output resolutions	2160p60, 2160p30, 1080p60
Compatible device operating systems for controlling	All HTML5 supported browsers (on iOS, Android, Mac OS, Windows, etc.)
Supported device operating systems for mirroring	iOS, iPadOS, Android, Windows, macOS, Chrome OS
Supported mirroring protocols	AirPlay, Miracast, Chromecast, vSolution Cast
Touchback functionality	Yes, for Windows devices (Miracast & vSolution Cast)
vSolution MATRIX compatible	Yes (main station via optional feature pack, or client)
Supported apps/software	vSolution App, vSolution Cast, vSolution Link Pro
vSolution Link Pro Software for remote admin & firmware updates	Yes (included for Windows 10 desktop, Windows Server 2012 R2 & 2016)
Media Player: Supported image file formats	GIF, JPEG, BMP, PNG
Media Player: Supported document file formats	PDF, Word, PowerPoint, Excel, Text, HTML
Media Player: Supported video file formats	AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV
Media Player: Supported audio file formats	MP3, WMA, MKA, OGA, OGG
Max. no. of devices simultaneously displaying material on-screen	4
Dual screen function	Yes
Max. receiver connections to Cynap via vSolution App	Virtually unlimited (depends on network infrastructure)
Local streaming	Yes (Unicast/ Multicast), RTP, RTSP
Webcasting to Wowza, YouTube and others (e.g. Facebook)	Yes, via optional Webcasting Feature Pack
Local video recording	Yes, selectable up to 1080pHD, 30fps, .mp4 file format
Capture agent (Panopto/Opencast compatible)	Yes, via optional Capture Feature Pack
Cloud services	Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV
Access to Office 365 apps	Yes, via optional Office 365 Feature Pack
vSolution Meeting Feature Pack	Optional
Access to network drives	Yes
Whiteboard and annotation	Yes
Presentation modes	Protected Mode, Open Mode
Web conferencing support	Zoom meetings, Microsoft Teams via Office 365 Feature Pack, WebRTC
Integrated web browser	Yes
Customizable background image and screensaver	Yes
Video input	HDMI x2 (HDMI with HDCP 1.4)
HDBaseT 1.0 input	Optional x1 (can be used only when HDMI input 2 is not in use)
Video output	HDMI x2 (HDMI with HDCP 1.4)
HDBaseT 1.0 output	Optional x1 (can be used only when HDMI output 1 is not in use)
Audio	Line in / Line out (unbalanced, 3.5mm mini jacks)
USB ports	Rear USB 3.0 ports x4, front USB 2.0 port x1
LAN port	Yes, 2x 1GigE
WLAN standards	802.11 ac/a/b/g/n (2.4 and 5GHz), up to 867Mbps
Network protocols	TCP/IP, FTP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP, LDAP, LDAPS
IP configuration	DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority
Security authentication for LAN	IEEE 802.1X
Security encryption for WLAN	WEP, WPA2, WPA2 Enterprise or IEEE 802.1X
RMS encryption	Yes
External controlling	Remote control with gyro sensor function, web interface, Visualizer, multi-touch display, room control system, USB keyboard and mouse, device status display
Dimensions (L x W x H)	245mm x 245mm x 79mm (9.65" x 9.65" x 3.1")
Power consumption	Max. 105W
Weight	2530g (5.58lb) standard configuration 2655g (5.85lb) with HDBaseT (input & output)
Mounting options	Optional 19" rack unit mounting frame, under desk mount, USB hub, HDBase-TX module
Included accessories	Remote control, power supply, antennas, LAN cable
Free firmware updates included	Yes
Limited warranty	3 years (optional warranty extension up to 5 years)

# Find out more about WolfVision solutions

WolfVision is a worldwide provider of systems and services to leading universities, businesses, schools, and other organizations. Acknowledged as a 'technology leader' in the presentation solutions market, WolfVision takes the lead, setting standards worldwide for innovative, reliable, user-friendly, high performance presentation, collaboration, and knowledge sharing solutions.

## Streamline your technology

There's no longer any need for racks full of AV equipment - simplify your technology and use Cynap's flexibility to configure a cost effective, all-in-one, secure presentation and collaboration solution that really suits the needs of your own organization - you don't have to settle for less - so talk to us now!

## Driving Knowledge Creation



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Your WolfVision Partner:



More information:

# WOLFVISION<sup>®</sup>

[www.wolfvision.com](http://www.wolfvision.com)



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