

Systems & Solutions



Driving Knowledge Creation

WolfVision is a provider of systems and services to leading universities, businesses, schools, courtrooms, and other organisations. An acknowledged 'technology leader' in the wireless presentation and Visualizer solutions market, WolfVision is the company that takes the lead, setting standards worldwide for innovative, reliable, user-friendly, high performance presentation, web conferencing, collaboration, and knowledge sharing solutions.



With more than 50 years experience, our extensive knowledge and expertise across all application sectors enables us to offer comprehensive consultative guidance on customised combinations of hardware systems, software, apps, and accessories, which enhance communication, collaboration, and knowledge sharing across all environments. As part of each individual solution, WolfVision offers not only pre-sales advice, but also post-sales support, training, and service, ensuring that you receive maximum benefit from your investment.



Flexible working & learning

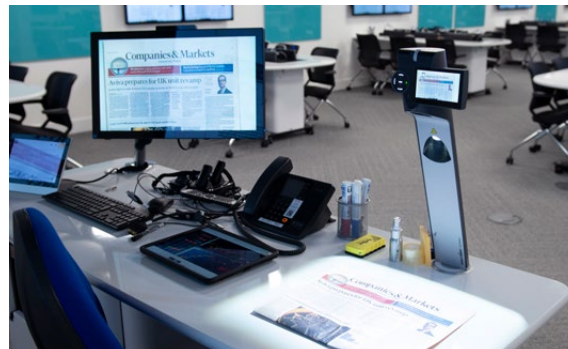
In-person & hybrid meeting rooms



WolfVision presentation and collaboration systems are used by leading companies worldwide, to support effective communication and collaboration in the workplace.

Whether the requirement is for "live" imaging of physical materials, or for high quality display of multi-source, multi-window digital content for in-person, hybrid, or online meetings, WolfVision offers a range of high performance systems, that ensure that meeting participants are able to deliver their message to audiences in the most effective manner possible.

Education & Training



WolfVision Cynap and Visualizer systems are used daily by universities and other educational institutions, supporting the skills and efforts of teaching staff in communicating and engaging with in-classroom, online and hybrid student audiences.

Our cost-effective, easy-to-use, AV over IP-based, multi-screen, vSolution MATRIX active learning classroom solutions, help to create dynamic learning spaces that encourage increased student engagement, interaction, and collaboration.

Courtroom & Legal



WolfVision Visualizer systems enable crime weapons, documents from expert witnesses, or evidence of any type to be easily shown to all court participants in fine detail, without any interruption to proceedings.

WolfVision evidence presentation technology solutions are popular in hybrid courtroom environments, helping to facilitate simultaneous in-person and remote participation in court proceedings.

“

WolfVision equipment is great to work with. It is evident that a great deal of thought is put into the design of every aspect of each piece of equipment. Just as important is the high degree of confidence inspired by WolfVision representatives, repair facilities and technical support.”

Bruce Horn
Learning Technologies
Classroom Operations Manager
University of California, Santa Cruz, USA

Choose your Cynap system!



CYNAP PURE MINI

Entry-level wireless screen sharing

Simple wireless screen sharing from any laptop, smartphone or tablet. This easy-to-use model is perfect for smaller classrooms, meeting rooms and huddle spaces everywhere.



CYNAP PURE

Presentations made easy

Compact wireless BYOM / BYOD presentation system with all the functionality of Cynap Pure Mini plus additional useful features. Like all Cynap family systems, supports AirPlay, Miracast, and Chromecast for unique app-free, dongle-free wireless screen sharing.



CYNAP PURE PRO

Outstanding wireless presentation, web conferencing & collaboration

Ideal add-on to existing infrastructure, with all the functionality of Cynap Pure, plus some of the features of our larger Cynap systems. Provides high performance wireless screen mirroring, together with a range of popular collaboration tools.



CYNAP CORE PRO

Advanced collaboration & presentation

Easy to use, providing 'core essential' collaboration features. Advanced network integration options make it an ideal centrepiece for smaller installations, and it is also a key component of our vSolution MATRIX multi-workstation, active learning classroom solution.



CYNAP PRO

Centrepiece for the modern classroom, meeting room or courtroom

Powerful 'all-in-one' presentation and collaboration system, with media player, web conferencing, recording and streaming, wireless screen sharing, whiteboard, and lots more. Also the 'main station' of our vSolution MATRIX solution.

Cynap overview

						
Features		Cynap Pure Mini	Cynap Pure	Cynap Pure Pro	Cynap Core Pro	Cynap Pro
 4 window wireless screen sharing		✓	✓	✓	✓	✓
 Touchback function		✓	✓	✓	✓	✓
 Enterprise level security		✓	✓	✓	✓	✓
 Flexible network integration		✓	✓	✓	✓	✓
 Remote management tool ^{NEW}		On Premise	Cloud & On Premise	Cloud & On Premise	Cloud & On Premise	Cloud & On Premise
 Room management APIs		✓	✓	✓	✓	✓
 Peripheral device control		✓	✓	✓	✓	✓
 Whiteboard function		-	✓	✓	✓	✓
 Live Viewer Mode		-	✓	✓	✓	✓
 Audio/ Video USB input		-	-	✓	✓	✓
 Document & Media Player		-	-	✓	✓	✓
 BYOM Web Conferencing ^{NEW} *		-	✓	✓	✓	✓
 Multi-Platform Web Conferencing		-	-	✓	✓	✓
 IP stream receive		-	-	✓	✓	✓
 Integrated Web browser		-	-	✓	✓	✓
 Microsoft 365 (incl. Teams meetings)		-	-	✓ ^{FP}	✓	✓
 HDMI input		-	-	-	✓	✓
 vSol. Matrix client station		-	-	-	✓	✓
 vSol. Matrix main station		-	-	-	-	✓ ^{FP}
 Lecture Capture		-	-	-	✓ ^{FP}	✓
 HD Video recording		-	-	-	✓ ^{FP}	✓
 Webcasting		-	-	-	✓ ^{FP}	✓

Cynap Pure systems: No apps, no buttons, no cables!

When you're looking for a BYOD / BYOM wireless presentation solution for your organisation – look no further than Cynap Pure Mini, Cynap Pure, or Cynap Pure Pro, the leading solutions for meeting rooms, classrooms and huddle spaces everywhere.

With support for AirPlay, Miracast, and Chromecast screen mirroring, these models deliver best-in-class wireless screen sharing, and whether you choose the entry-level Cynap

Pure Mini, or the Cynap Pure or Cynap Pure Pro models with additional features, such as whiteboarding, or built-in multi-platform and BYOM web conferencing, you can be sure of crystal clear, 4K UHD resolution, unrivaled ease of use, and a collaborative working and learning experience that is second to none.



Pure perfection!

- >> Easy to setup, simple to use
- >> Hassle-free screen sharing for all smartphones, laptops & tablets
- >> No apps, no dongles required
- >> Enterprise level security
- >> Outstanding hardware performance
- >> Remote management tools



4K
ULTRA HD

Wireless presentation & collaboration made easy!

Whiteboarding & Annotation tools



Add to your content material using our annotation feature - or use the built-in whiteboard to note down your ideas. Pin material such as output from a connected camera or Visualizer to the screen, or use the mind map function for a superb collaborative experience.

** Not available on Cynap Pure Mini*

4K UHD output resolution



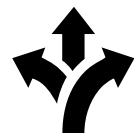
4K UHD output resolution at 60 frames per second ensures that on-screen content from any device always looks superb, and the innovative touchback feature gives you latency-free remote control of your laptop while working at the main screen.

Enterprise level security



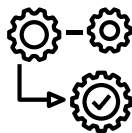
Network security is a key consideration, and our custom-built, closed, Linux system offers 100% wireless data encryption, IEEE802.1x authentication, plus customisable security features to give you exactly the level of protection you require.

Professional integration



Cynap Pure models can be set up and used immediately. Settings are easy to configure, and customisable/prepared API modules ensure professional integration, whatever your requirements.

Remote management & administration



vSolution Link Pro software is supplied free of charge, facilitating easy remote setup, monitoring, management, and updating of multiple systems across multiple locations.

Introducing BYOM web conferencing



Available for models, Cynap Pure and above, BYOM (bring your own meeting) web conferencing functionality enables users to host a web meeting wirelessly using any conferencing service directly from their own laptop.

Live Viewer Mode / Moderator Mode



Encourage collaborative working and learning using the unique browser-based Live Viewer Mode, which enables multiple users to receive on-screen content (wired or wireless) from the main display onto their own personal devices for easy viewing.

In Moderator Mode, Cynap Pure, and Cynap Pure Pro allow authorised multiple users to write on a whiteboard, and Cynap Pure Pro also adds the possibility for multiple users to annotate over any open window.

Simply toggling the WolfVision vSolution App to BYOM Mode on a laptop enables swift wireless connection to a Cynap, plus any connected camera, microphones, and speaker peripherals already installed in the meeting room.

Content is also be shared into the web conference from any other laptop, smartphone or tablet, for a superb collaborative hybrid working and learning experience.



First class presentations!

- >> Intuitive user interface
- >> App-free, dongle-free wireless screen sharing for all laptops smartphones & tablets
- >> Supports AirPlay, Miracast, Chromecast, vSolution Cast



Cynap Pure Pro: Flexible presentation & collaboration!

With all the functionality of Cynap Pure, plus many of the features of our larger Cynap systems, Cynap Pure Pro provides app-free, button-free wireless screen mirroring, combined with a range of other popular collaboration tools. Meeting rooms, classrooms and huddle spaces can all benefit from the extra features such as Zoom and optional Microsoft Teams meeting integration, a built-in document and media player, web browser, and much more - all operated seamlessly using our award-winning, easy-to-use Cynap GUI.





Cynap Pure Pro: Web conferencing & MS 365 integration

Access your files from any source



Data is shared on-screen easily from cloud, network drives or mobile devices – even laptops are no longer essential – just bring your content on a USB stick, or download directly from the cloud!

Optional Microsoft 365 feature pack



Access popular Microsoft 365 apps directly from Cynap Pure Pro including Microsoft Teams (active Microsoft 365 account required). Files are easy to open, work on collaboratively, and share with teammates.

Integrated web browser



Display web-based content side by side on-screen, together with your regular presentation materials for incredible flexibility in classrooms or meeting rooms - secure and virus-free browsing.

Multi-platform web conferencing!



In addition to BYOM web meeting functionality, Cynap Pure Pro models and above also offer multi-platform web conferencing, which enables the web conference to run directly on the Cynap device itself, instead of on the meeting host's laptop.

Available for Zoom, MS Teams* or WebRTC-based services, it's a great alternative to BYOM, and wireless conferencing sessions using simple standardised workflows are easily started and controlled, from a touchscreen, or using any laptop, smartphone, or tablet.

WebRTC zoom Teams

* For Cynap Pure Pro, MS Teams is only available when using the optional Microsoft 365 Feature Pack Upgrade.

Cynap Core Pro: Next generation working & learning

Cynap Core Pro is a wireless presentation, web conferencing and collaboration system, providing screen sharing for all iOS, Android, Windows, macOS, and Chrome OS devices, together with a unique set of collaboration and web conferencing tools. It delivers an outstanding multi-functional collaborative working experience, ideal for hybrid or in-person classrooms, meeting spaces and courtrooms, and multiple units are also used as client devices as part of our vSolution MATRIX Networked-AV solution.

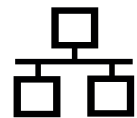


No apps, no dongles, no cables, no hassle!



Cynap Core Pro supports AirPlay, Miracast, and Chromecast protocols, so no apps, buttons, dongles or extra software are needed when sharing content on-screen from any smartphone, laptop or tablet.

Implementation advantages



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

Best of both worlds connectivity!



Multi-source wireless screen sharing makes working together easier than ever before. For installations that require additional connectivity options, an HDMI In port is also provided, for example for connecting an in-room PC, document camera or camera.

Display & share your files easily



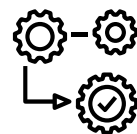
data on-screen easily from network drives, mobile devices or by using the Microsoft 365 interface. Even your laptop is no longer essential – simply bring your content on a USB stick, or download it directly from the cloud!

Quick access to web-based content



A built-in web browser makes it simple to include web-based content into presentations. It's easy to access, and you can even save your own bookmarks, and customize the screensaver as required.

Remote administration software



Our vSolution Link Pro software is available free of charge. It enables remote setup, monitoring, management, and updating of multiple systems across multiple locations.

Cynap Core Pro: Maximum collaboration!



Hybrid working and learning made easy!

Multi-platform web conferencing runs Zoom, Teams and other WebRTC-based services directly on a Cynap, controlled via any laptop, smartphone or tablet - or host sessions on your own laptop using our outstanding BYOM implementation.

Microsoft 365 integration

Work together and access popular Microsoft 365 apps directly from Cynap Core Pro including Word, PowerPoint, Excel, Outlook, Microsoft Teams, and OneNote (active Microsoft 365 account required).



Whiteboard and annotation

Add to your content material using our built-in easy-to-use annotation features - or note down your ideas using the digital whiteboard, and save the output of both for further use.

Optional lecture capture and webcasting functionality

Adding the optional Capture Feature Pack enables Cynap Core Pro to act as a capture agent for Panopto, and other compatible video management platforms. It also adds webcasting, and local recording capability.



Cynap Pro: Centrepiece for the modern classroom, meeting room or courtroom

Cynap Pro is a wireless presentation, web conferencing and collaboration system, providing wireless screen sharing for all iOS, Android, Windows, macOS, and Chrome OS devices, together with a unique set of web conferencing and collaboration tools.

The ideal centrepiece for modern classrooms, meeting spaces and courtrooms, this easy-to-use, all-in-one AV appliance can help eliminate the need for racks full of equipment, or additional room control systems. It also includes the new Cynap multi-platform web conferencing solution, which runs directly on a Cynap.

Cynap Pro also acts as the 'main station' for our popular vSolution MATRIX AV over IP multi-screen collaboration solution.

Wireless presentation made easy!



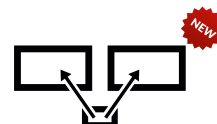
Support for AirPlay, Miracast, and Chromecast screen mirroring protocols ensures a consistent easy-to-use wireless screen sharing environment when sharing content onscreen from any laptop, smartphone or tablet.

Microsoft 365 integration



Microsoft 365 apps can be opened directly on a Cynap Pro including Word, PowerPoint, Excel, Outlook, Microsoft Teams, and OneNote (active Microsoft 365 account required).

Dual screen content management



When using two display screens, attaching a preview monitor to the third HDMI Out port enables preparation and viewing of content on a connected preview monitor before dragging and dropping it onto either the left or right-hand display screen when required.

* Feature available Q3, 2023





“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

Webcasting: Efficient knowledge sharing



Stream content easily for live or on-demand viewing. Additionally, students or work colleagues on the same network as the presenter can receive and record a stream of on-screen content on their own mobile devices.

Video recording / Lecture capture agent



Easily record on-screen content locally together with video from a connected room camera, or use Cynap Pro as a capture device for Panopto, and other compatible video management platforms.



Multi-platform web conferencing / BYOM



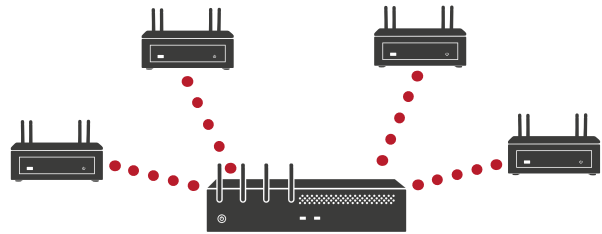
Multi-platform web conferencing runs Zoom, Teams and other WebRTC-based services directly on a Cynap Pro, using simple standardised workflows controlled via any laptop, smartphone or tablet. Alternatively, host sessions on your own laptop using our outstanding wireless BYOM implementation.

MATRIX: Networked AV-based technology for active learning

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

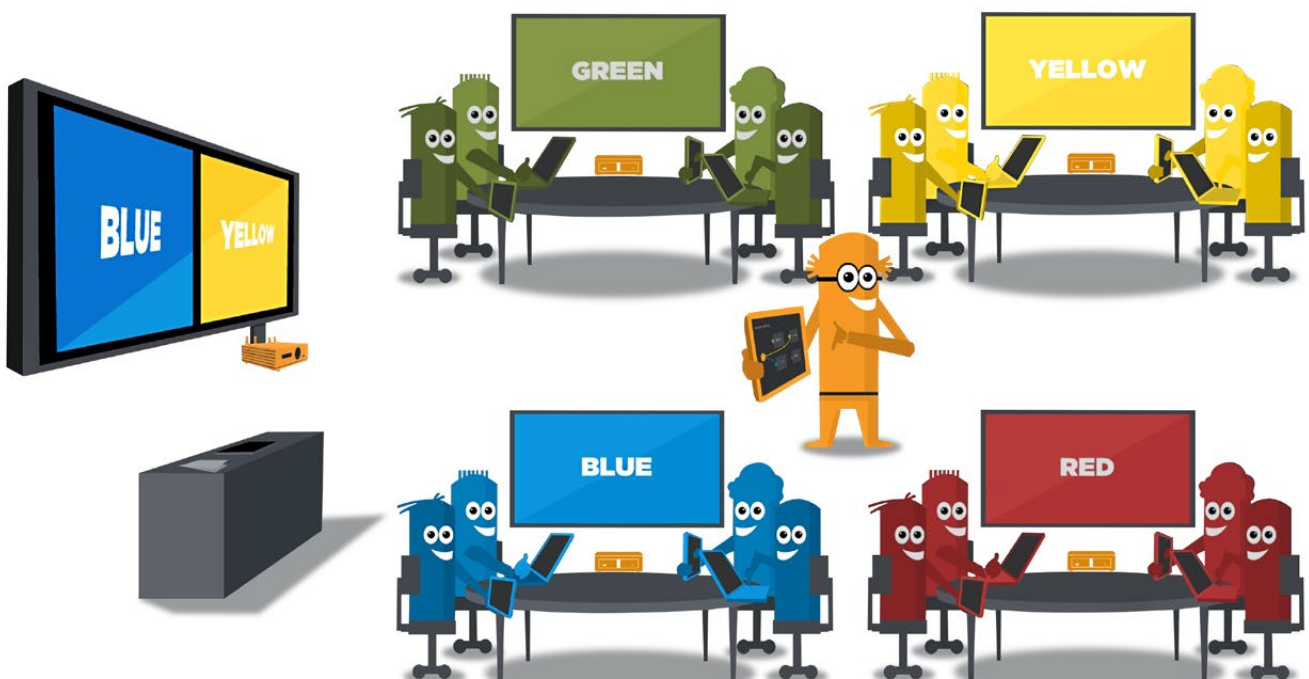
Available as a feature pack upgrade for Cynap Pro systems, it is ideal for active learning classrooms, training rooms, and courtrooms of all sizes, and for other applications where multiple display screens are deployed to leverage collaborative learning and working.

A single feature pack enabled Cynap Pro unit, designated as the 'main' system in the room, is connected to multiple workstations with either a Cynap Pro or a Cynap Core Pro system installed. Content is shared between connected monitors 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 Pro / Cynap Core Pro 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.



Cynap Pure Receiver: Extend your vSolution MATRIX installation

With the same form factor as the Cynap Pure, the Cynap Pure Receiver unit is an optional add-on for vSolution MATRIX. This unit can receive a stream from Cynap, enabling multiple additional screens to be easily added to rooms such as classrooms or jury rooms. A user controlling the session can authorise annotations made using the Pure Receiver.



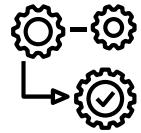
vSolution MATRIX: Key benefits

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 for breakout groups, or for other small groups working independently during times when the entire room is not being used.

Easy remote administration



Multiple Cynap Pro / Cynap Core Pro 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!



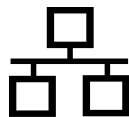
When installing up to 40 workstations, it's a key benefit that WolfVision does not charge subscription fees or apply per workstation recurring licensing costs. All firmware updates are free of charge, maximising your ROI and helping to futureproof your system.

Professional advice, proven technology!



With hundreds of 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, 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.

Configuration example

HDMI
USB

Cynap Pro



Cat6 LAN



Cat6 LAN

1GB Ethernet Switch IGMP v.2

Cat6 LAN

HDMI
USB



Cynap Core Pro



Flexible working & learning

Simple drag & drop of multiple screens



A simple drag and drop user control interface enables content to be moved effortlessly between different screens. The 'Room View' is used to control pushing and pulling of content between displays, and flexible settings enable up to 40 workstations to be configured using either names, numbers or colours, exactly matching the actual layout of individual learning spaces.

Multi-functional workspaces



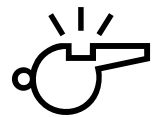
Individual and multiple workstations can operate independently of the main central station, enabling room usage to be maximised. Workstations can be used separately for breakout groups, or for small groups working independently during times when the entire room is not being used. If enabled, Groupwork Mode also enables direct station-to-station streaming of content.

Reduced hardware, complexity & costs

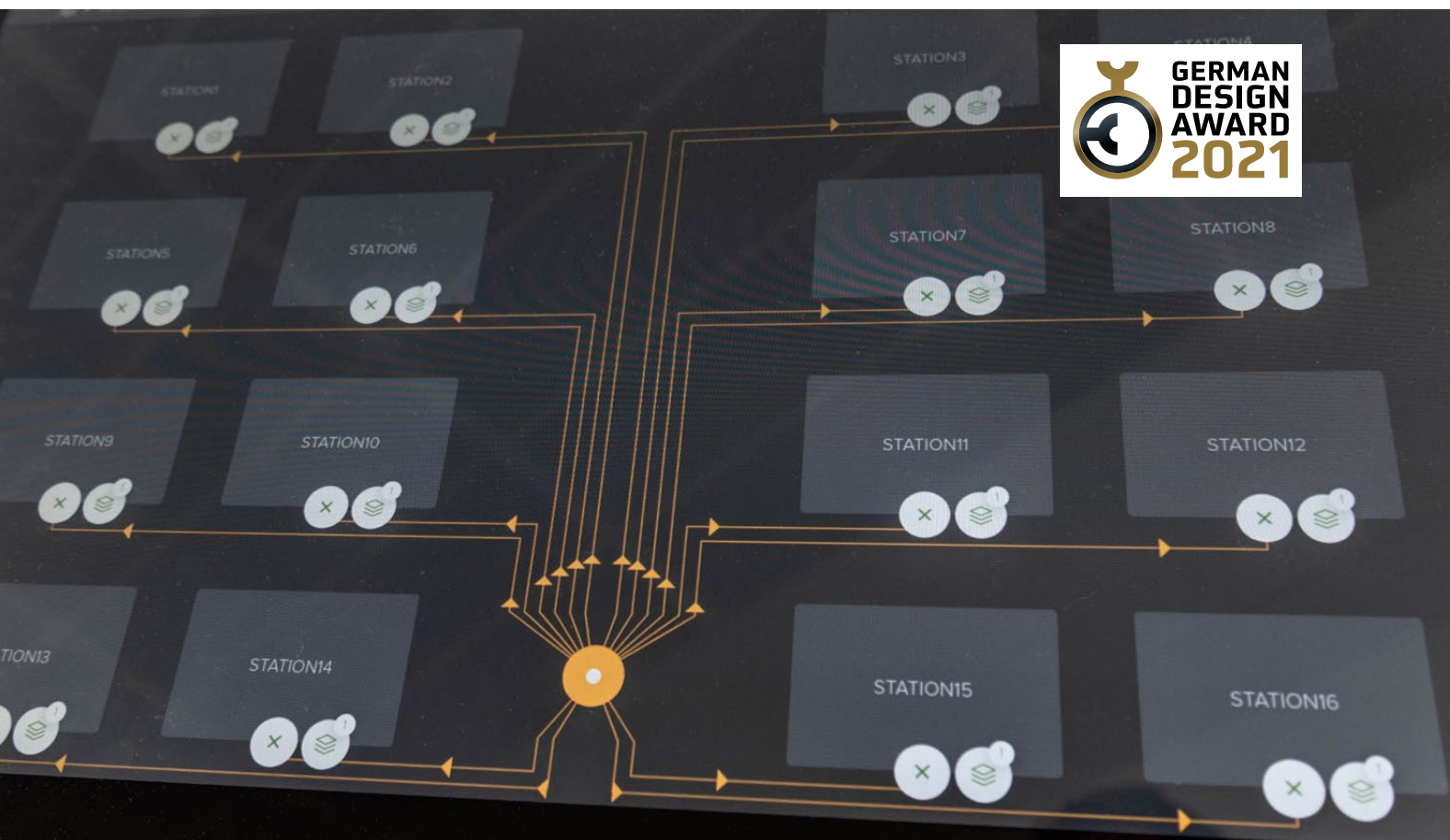


When streaming content between multiple screens, all processing is performed by the Cynap Pro and Cynap Core Pro systems, eliminating the need for additional encoding/decoding hardware, and helping to reduce the overall complexity of the installed system.

Connecting stations using Coaching Mode



Coaching Mode enables a teacher or trainer to connect two separate stations directly without sharing content onto the main display screen in the room. All content including any annotations etc. are displayed on both the connected screens.



“

"We decided to use vSolution MATRIX because of its flexibility and ease of use. We found that the mirroring capability of other solutions was not as good, and that was a key component for us. The attention to detail that WolfVision have put in gave us a lot of confidence in the product. This room effectively gives us 16 breakout rooms and a lecture theatre all in one space."

Wayne Buttigieg
Head of Infrastructure and Media Services
London Business School



++ Video ++

London
Business
School

Visualizer systems



High performance document camera imaging solutions

WolfVision imaging systems are used daily in many of the world's leading universities, companies, and judicial institutions. Universities such as Oxford, Cambridge, Harvard, University College London, and many more are valued customers of WolfVision, and well-known organisations such as Google, Microsoft, NASA, The United States Supreme Court, and many others, use WolfVision systems in their meeting spaces to enhance presentations.

In the new hybrid world, we're making far more online presentations than ever before, and there's never been a better time to put a WolfVision Visualizer to good use, for the on-screen display of 'live' content materials for in-classroom, online, and hybrid learning, meeting room and courtroom usage.

Driving Knowledge Creation

“

Our faculty and students demand state-of-the-art technology. That's why we have outfitted 95% of our learning spaces with Visualizers. We selected WolfVision as our campus standard because of their high-end optics and easy to use interface. Faculty need to focus on their content, not what button to push or knob to turn.”

Dr. James P. Frazee,
Senior Academic Technology Officer,
San Diego State University, USA



Our Vision

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.**

Entry-level 'live' imaging

vSolution Cam

vSolution Cam demonstrates that simplicity truly is the ultimate sophistication. Drawing on more than 50 years' experience and expertise, we have engineered a remarkable entry-level Visualizer system, streamlined to include only its essential core components.

The result is an elegant, compact, modern, affordable system with excellent picture quality, plus the same robust design, and unrivalled ease of use, that is found throughout the entire WolfVision product line.



Protect your investment



For added security, the vSolution Cam can be attached to a table either by using a table lock bolt or a T-Lock ((Kensington® Lock).

Capture your hand-writing



Optional dry-erase working surfaces are available, enabling you to write onto, and erase directly from the document camera pick-up area.

Excellent picture quality



A 1-CMOS ultra-high resolution camera with 1080p FHD output / 30 frames per second provides 980 lines resolution in every part of the picture.

Plug-and-play for web conferencing



Universal Video Class (UVC) compatibility makes it simple to connect to your laptop to add 'live' content into hybrid meetings and classes.

Adjustment-free lighting



The LED light system is optimized for the pick-up area, so there is never any need to adjust the light manually.

Flexible imaging performance



4x HD zoom for excellent picture quality, plus a 10x extended digital zoom is also available when required.

Focus on features



Increase your pick-up area

An optional 'RiserPlate' is available that increases the height of the camera above the pick-up area, enabling imaging of larger materials.

Designed for ease of use

Focus, brightness, white balance etc., are all adjusted automatically. Simply use the zoom buttons on the control panel to operate the device.



Excellent connectivity

Well equipped with 1x HDMI Out port, PoE compatible LAN port, mini USB 2.0 device port, plus USB 2.0 host port.



Document cameras built to last!

Extremely robust housing, combined with high quality components providing excellent stability, durability, and reliability.



Unique Visualizer design

VZ-3neo.UHD / VZ-8neo.UHD

Native 4K UHD Visualizer systems, featuring the iconic WolfVision mechanical design concept, which incorporates the camera, LED light system and all electronic hardware into the Visualizer arm.

Newly engineered optical and electronic components maximise performance, and the unique design features a touchscreen control and preview monitor for maximum ease of use. With the VZ-3neo.UHD and VZ-8neo.UHD we set the standard worldwide for innovative, user-friendly, high-performance imaging systems.



Focus on the content



High speed continuous autofocus, and manual focus, plus an easy-to-use 9-point touch and focus mode for focusing on specific parts of the on-screen image, ensure crisp presentation of all content materials.

Flexible external control



These document camera systems can be controlled easily using a room management system or a computer, or can be operated wirelessly from a mobile device using our vSolution App.

Unrivalled imaging quality

4K

Ultra-high definition camera with superb 4K (2160p UHD, 4.4.4) output for presentation of content materials on-screen in unrivalled image quality.

Recording & streaming



Record and stream your content simultaneously in up to 1080p FHD (VZ-3neo.UHD) or 2160p UHD (VZ-8neo.UHD) resolution, for live or on-demand viewing by remote audiences.

Adjustment-free lighting



The reflection-free working area means no distracting hot spots or reflections – and there is never any need to adjust the light. This LED Lighting system is optimised to provide perfect illumination at all times.

Variable-speed zoom range



Choose from a 12x zoom (VZ-3neo.UHD) or 24x zoom (VZ-8neo.UHD) to provide outstanding flexibility when displaying presentation content on-screen.

Maximum ease of use



Touchscreen preview monitor

LCD touchscreen monitor for easy positioning of objects on the working surface, plus swipe-through advanced settings menu.

Automatic operation

Simply use the zoom wheel, and leave other settings like focusing, brightness, and white balance to be adjusted automatically.



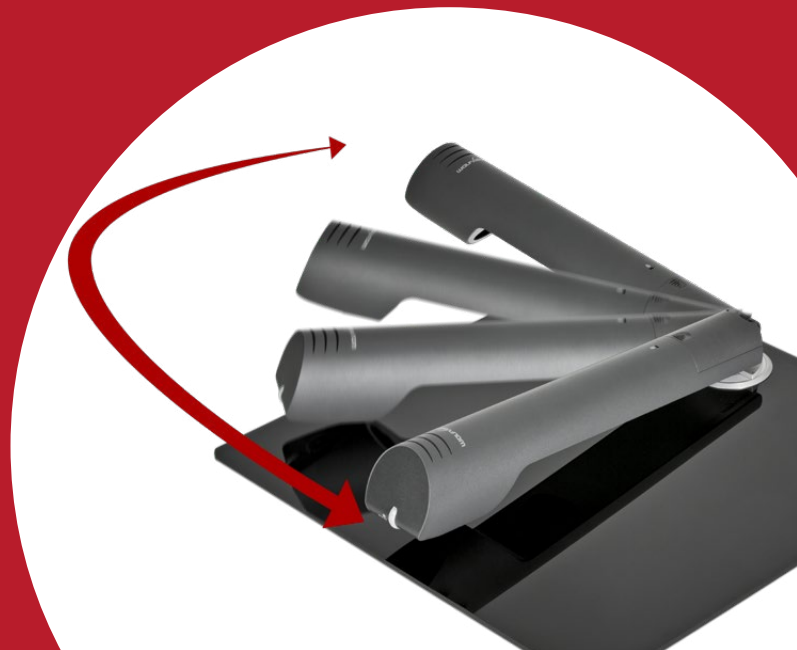
Write on your Visualizer

Add an optional dry-erase working surface to facilitate easy pickup and display of handwritten notes and drawings.



Space-saving design

Also available without an integrated working surface. This optional 'swivel plate' version can be set up to rotate 90° for easy storage, and installs directly onto a desk-top using the supplied mounting plate.



Powerful 4K imaging

VZ-8.UHD Desktop Visualizer

The VZ-8.UHD is a native 4K UHD Visualizer system. This award-winning top-of-the-line model combines crystal clear on-screen images, a touchscreen control and preview monitor, plus 4K recording and streaming functionality, together with newly designed optical and electronic systems.

It is also available with an optional built-in HDBaseT module, enabling delivery of uncompressed 4K60 content over longer distances without compromising image quality.



No.1 for imaging performance

4K

Top-of-the-line ultra-high definition camera with 4K UHD output for presentation of content materials in outstanding image quality.

Powerful zoom range



64x zoom for incredible flexibility when displaying content on-screen. Images are always crystal clear, even when zooming in closely on materials.

4K recording & streaming



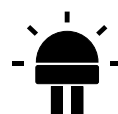
Simultaneous 2160p / 30fps recording and streaming. Use this networked AV-ready Visualizer for capture and distribution of content materials in fantastic quality.

Flexible external control



Control easily using a room management system or a computer, or use the vSolution App to control wirelessly from a mobile device.

Adjustment-free lighting



No distracting hot spots or reflections - and no need to adjust the light. This LED Lighting system is optimised for perfect illumination.

Visualizers built to last!



High quality components for outstanding mechanical quality, durability, and reliability, plus a 5 year warranty. The VZ-8.UHD is built to last!

Outstanding user experience



Touchscreen preview monitor

LCD touchscreen monitor for easy positioning of objects on the working surface, plus swipe-through advanced settings menu.



Automatic operation

Simply use the zoom wheel, and leave other settings like focusing, brightness, and white balance to be adjusted automatically.



Imaging around the room

90° rotating camera head with shake-free mount for picking up images and video from outside of the working surface.



Write on your Visualizer!

Self-adhesive dry-erase working surfaces available for convenient pickup and display of handwritten content materials.

Innovation on the ceiling

WolfVision's unique ceiling Visualizer system is easily integrated into a suspended ceiling or mounted onto the ceiling just like a projector. The speaker's workspace remains completely free of technical equipment – and larger items are easier to display than when using a Desktop Visualizer system.

A Synchronized Lightfield highlights and illuminates the pick-up area of the camera, showing exactly where to place display materials on the working surface – and when zooming in and out, the size of this lightfield adjusts automatically.

VZ-C6 Ceiling Visualizer

The VZ-C6 Ceiling Visualizer system features native 1080p FHD resolution at 30 frames per second, and a Synchronized Lightfield for easy positioning of objects.

A high performance wide angle lens with 12x optical zoom, in combination with a 4x digital zoom gives a total zoom range of 48x, enabling installation in rooms at a height of up to 3m (10').



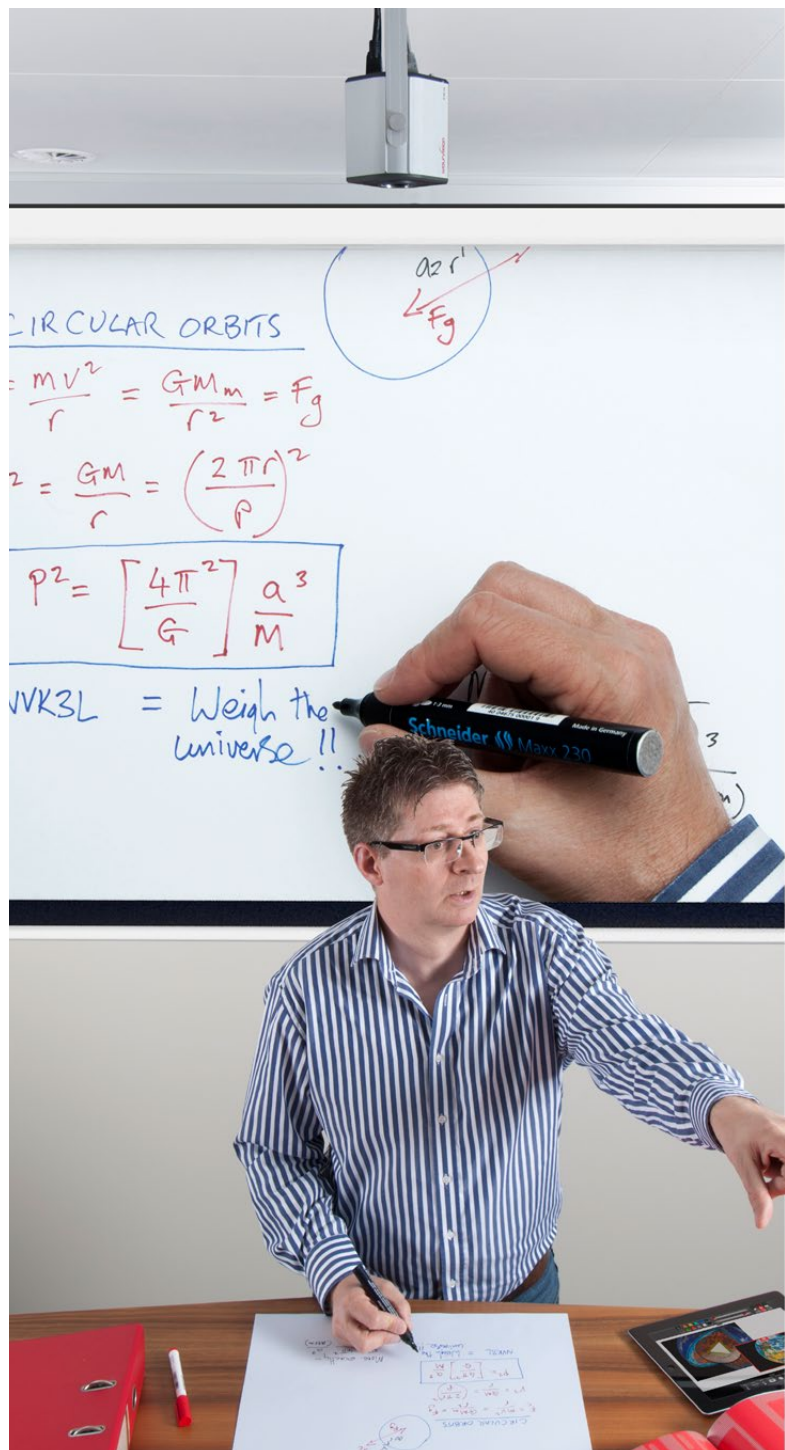
EYE-14 camera system

The EYE-14 is a powerful high definition Live Image Camera system which give outstanding results, whether used as an alternative to a Ceiling Visualizer (without light), or when mounted on a tripod, pan-tilt zoom mount or wall mount designed for video or surveillance cameras. For ceiling use, this system can be either mounted directly onto the ceiling or integrated into a suspended ceiling.

EYE-14

The EYE-14 features a native 1080p FHD camera with 980 lines resolution, 56x zoom, and comes with onboard HD video recording functionality and 8GB internal memory.

A Center Lasermarker marks the center point of the working surface, assisting with easy positioning of materials to be displayed. The lasermarker is synchronized with the camera so that it is completely invisible in onscreen images and recordings.



vSolution App / vSolution Cast

Get more from your systems

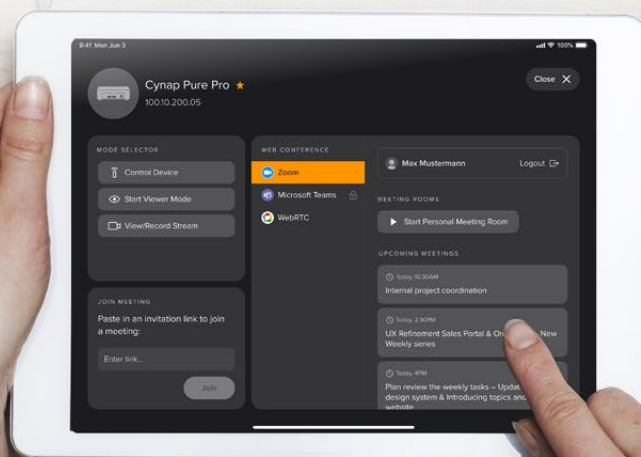
WolfVision systems and solutions don't require the installation of buttons, apps or software before they can be used. However, there are various extra features and functionality that are available using the following tools if required.

vSolution App

- Receive and record a stream of presentation and lecture content from a Cynap Pro system onto your own mobile device.
- For Android and iOS/iPadOS users in network environments where the mDNS / Bonjour services (device discovery protocols) have been disabled, the app enables users to discover Cynap family systems manually, enabling connection via AirPlay or Chromecast.
- An easy-to-use remote control function enables presenters to connect to a WolfVision Visualizer or Cynap family system, and then use the intuitive touch-screen interface to control their content materials wirelessly from their own mobile device.
- vSolution App can be used as a convenient web conferencing controller when using Zoom, MS Teams or WebRTC web meetings. Meetings can be started, joined, and controlled, and either a single Cynap window or all windows can be shared using the app.

vSolution Cast

- 4K screen mirroring from Windows laptops to Cynap family systems
- When screen mirroring from a Windows laptop to Cynap systems, either a single window or the entire desktop can be shared onto the display screen.
- Screen mirroring to all Cynap systems for Windows users who do not have built-in Miracast, or wish to use the additional functionality.



vSolution Link Pro

Remote management software

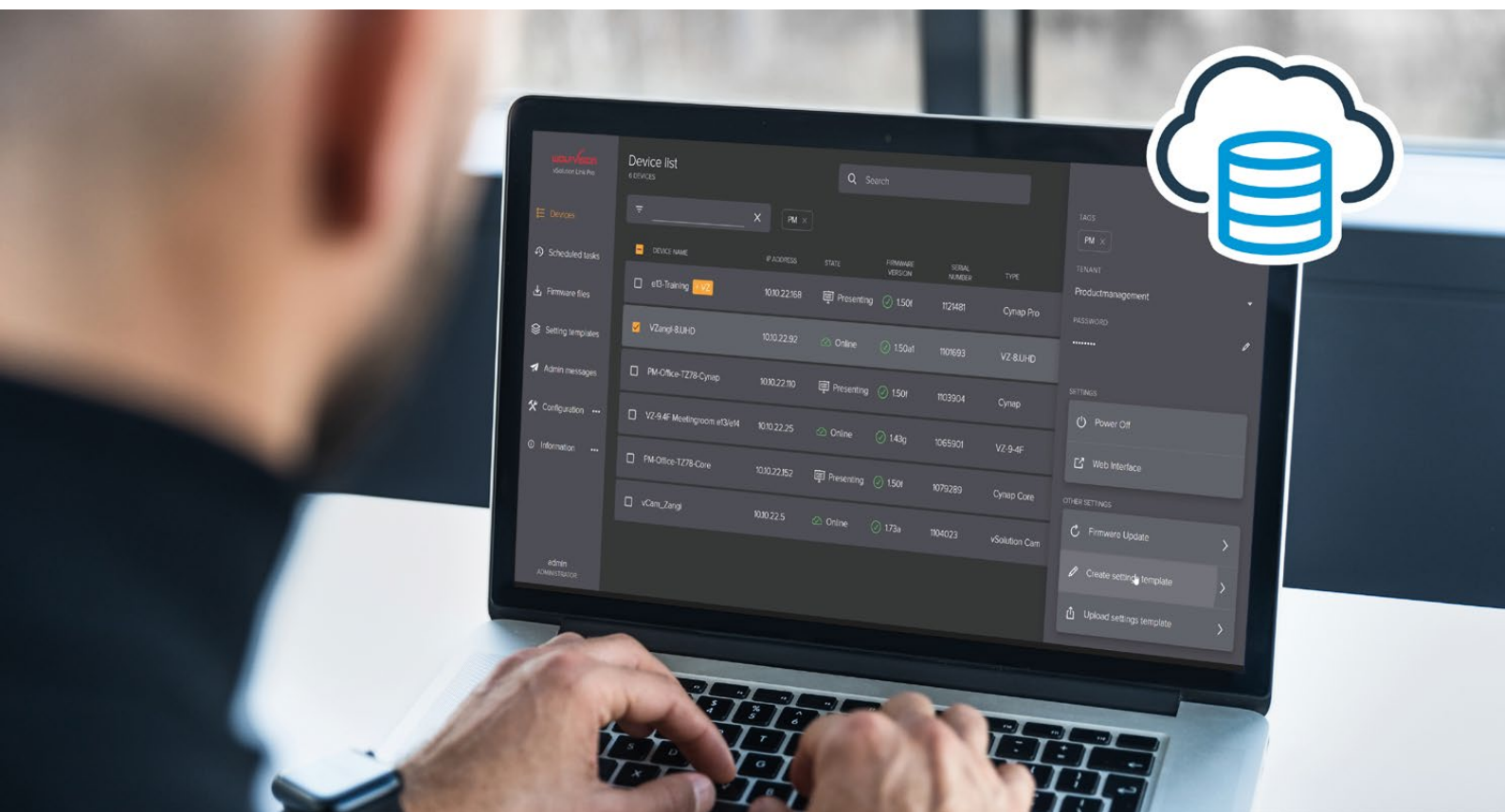
vSolution Link Pro software is license-free, and is available to download free of charge. It enables remote organisation and management of all vSolution Cynap family and Visualizer systems across multiple locations. It includes the following features and functionality.

vSolution Link Pro

- Local administrator setup, device assignment
- Allocation of tags and location information for convenient device organisation and management
- Updating firmware for either single or multiple Cynap and Visualizer systems
- Sending admin messages to be displayed on selected Cynap systems
- Settings templates can be created for easy backup, restore, and rollout to multiple devices
- Monitoring the status of Cynap and Visualizer systems
- Scheduled automation of tasks such as backup, power cycling or updating of systems
- User interface accessible via any HTML5 compatible internet browser
- Available for Windows Server, Windows desktop, and macOS
- vSolution Link Pro is also available for installation on a cloud-based virtual server (Microsoft Azure or AWS). WolfVision remote management software can now be securely accessed from any location, and is suitable for managing up to 5,000 WolfVision systems across multiple locations.

NEW

Note: Cloud-based software supports Cynap, Cynap Pro, Cynap Core, Cynap Core Pro, Cynap Pure, Cynap Pure Pro & Cynap Pure Receiver systems only.



Cynap systems specifications

Features	Cynap Pure Mini	Cynap Pure
Operating system	Linux	Linux
Output resolution	2160p60/30, 1080p60/30, 720p60	2160p60/30, 1080p60/30, 720p60
Supported devices for wireless mirroring (up to 4K depending on device)	iOS, iPadOS, Android, Windows, macOS, Chrome OS	iOS, iPadOS, Android, Windows, macOS, Chrome OS
Supported mirroring protocols	AirPlay, Miracast (Peer-to-Peer and MICE), Chromecast, vSolution Cast	AirPlay, Miracast (Peer-to-Peer and MICE), Chromecast, vSolution Cast
vSolution MATRIX compatible	-	-
Media Player: Supported image file formats	-	-
Media Player: Supported document file formats	-	-
Media Player: Supported video file formats	-	-
Media Player: Supported audio file formats	-	-
Max. no. of on-screen windows	4	4
Dual Screen Content Management function	-	-
Local streaming	-	-
Webcasting (Wowza, YouTube, Facebook etc.)	-	-
Local video recording (up to 1080pFHD 30)	-	-
Capture agent (Panopto & other compatible video platforms)	-	-
Cloud services	-	-
Microsoft 365 integration	-	-
vSolution Meeting room booking tool (supports Microsoft 365/Google Calendar)	-	-
Access to network drives	-	-
Whiteboard and annotation	-	Yes
Protected/Open presentation modes	Yes	Yes
Multi-platform web conferencing	-	-
BYOM (Bring Your Own Meeting) web conferencing (available end Q1 2023)	-	Yes
vSolution Link Pro remote admin software	On premise	Cloud & on premise
Encrypt and save personal user settings	-	-
Integrated web browser	-	-
Digital signage function and screensaver	-	Yes
Peripheral device control	Yes	Yes
Video input	-	-
HDBaseT 1.0 input	-	-
Video output	HDMI x1	HDMI x1
HDBaseT 1.0 output	-	-
Audio	HDMI out, USB Out	HDMI Out, USB Out
USB port	Front: 1x USB 3.0 x1, 1x USB 2.0	Rear USB 3.0 x2, Front USB 3.0 x2
LAN port	Yes, 1x 1GigE	Yes, 1x 1GigE
Bluetooth device discovery	Yes	Yes
WLAN standards (Wi-Fi 5)	2.4 GHz in Access Point Mode / 2.4 and 5 GHz in Infrastructure Mode	2.4 GHz in Access Point Mode / 2.4 and 5 GHz in Infrastructure Mode
Network protocols	TCP/IP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP	TCP/IP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP
IP configuration	DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority	DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority
Security authentication for LAN	IEEE 802.1X	IEEE 802.1X
Security encryption for wireless WLAN	WEP, WPA2, WPA2 Enterprise or IEEE 802.1X	WEP, WPA2, WPA2 Enterprise or IEEE 802.1X
RMS encryption	Yes	Yes
External controlling	Multi-touch display, web interface, room control system, keyboard / mouse, optional remote control, vSolution App	Multi-touch display, web interface, room control system, keyboard / mouse, optional remote control, vSolution App
Dimensions (L x W x H)	70 x 70 x 35 mm (2.76 x 2.76 x 1.37")	70 x 70 x 35 mm (2.76 x 2.76 x 1.37")
Power consumption	24W	24W
Weight	260g (0.57lb)	260g (0.57lb)
Optional accessories	Optional remote control	Optional remote control
Included accessories	Power supply, VESA mount (75mm /100mm)	Power supply, VESA mount (75mm /100mm)
Free firmware updates / no license fees	Yes	Yes
Limited warranty	3 years (optional extension to 5 years)	3 years (optional extension to 5 years)

Cynap Pure Pro

Linux
2160p60/30, 1080p60/30, 720p60
iOS, iPadOS, Android, Windows, macOS, Chrome OS
AirPlay, Miracast (Peer-to-Peer and MICE), Chromecast, vSolution Cast
-
GIF, JPEG, BMP, PNG
PDF, Word, PowerPoint, Excel, Text, HTML
AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV
MP3, WMA, MKA, OGA, OGG
4
-
-
-
-
Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV
Yes (optional Microsoft 365 feature pack required)
Yes
Yes
Yes
Yes
Yes, Zoom, Microsoft Teams, WebRTC
Yes
Cloud & on premise
Yes, save onto USB stick
Yes
Yes
Yes
- (HDMI source via USB frame grabber if required)
-
HDMI x1
-
HDMI Out, USB In/Out
Rear USB 3.0 x2, Front USB 3.0 x2
Yes, 1x 1GigE
Yes
2.4 GHz in Access Point Mode / 2.4 and 5 GHz in Infrastructure Mode
TCP/IP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP
DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority
IEEE 802.1X
WEP, WPA2, WPA2 Enterprise or IEEE 802.1X
Yes
Multi-touch display, web interface, room control system, keyboard / mouse, optional remote control, vSolution App
115 x 110 x 37 mm (4.53 x 4.33 x 1.46")
65W-90W
480g (1.06lb)
Optional remote control
Power supply, VESA mount (75mm / 100mm)
Yes
3 years (optional extension to 5 years)

Cynap Core Pro

Linux
2160p30, 1080p60/30, 720p
iOS, iPadOS, Android, Windows, macOS, Chrome OS
AirPlay, Miracast (Peer-to-Peer and MICE), Chromecast, vSolution Cast
Yes, client only
GIF, JPEG, BMP, PNG
PDF, Word, PowerPoint, Excel, Text, HTML
AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV
MP3, WMA, MKA, OGA, OGG
4
-
-
Yes, via optional feature pack
Yes, via optional feature pack
Yes, via optional feature pack
Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV
Yes
Yes
Yes
Yes, Zoom, Microsoft Teams, WebRTC
Yes
Cloud & on premise
Yes, save onto USB stick
Yes
Yes
Yes
HDMI In x1 (extra HDMI source via USB frame grabber if required)
-
HDMI x1
-
Line in / Line out, HDMI In/Out, USB In/Out
Rear USB 3.0 x4, Front USB 2.0 x1
Yes, 2x 1GigE
Yes
2.4 and 5 GHz
TCP/IP, FTP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP, LDAP, LDAPS
DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority
IEEE 802.1X
WEP, WPA2, WPA2 Enterprise or IEEE 802.1X
Yes
Web interface, Visualizer, multi-touch display, room control system, keyboard / mouse, optional remote control, vSolution App
203 x 196 x 67mm (7.99 x 7.71 x 2.63")
Max. 80W
1840g (4.05lb)
Optional remote control, 19" rackmount, VESA mount
Power supply, antennas
Yes
3 years (optional extension to 5 years)

Cynap Pro

Linux
2160p60/30, 1080p60
iOS, iPadOS, Android, Windows, macOS, Chrome OS
AirPlay, Miracast (Peer-to-Peer and MICE), Chromecast, vSolution Cast
Yes, main station via optional feature pack or client
GIF, JPEG, BMP, PNG
PDF, Word, PowerPoint, Excel, Text, HTML
AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV
MP3, WMA, MKA, OGA, OGG
4
Yes (Feature available Q3, 2023)
Yes (Unicast/ Multicast), RTP, RTSP
Yes
Yes
Yes
Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV
Yes
Yes
Yes
Yes, Zoom, Microsoft Teams, WebRTC
Yes
Cloud & on premise
Yes, save onto USB stick
Yes
Yes
Yes
HDMI x2 (HDMI with HDCP 1.4), (extra HDMI source via 3 rd -party USB frame grabber if required)
Optional x1 (only when HDMI input 2 not used)
HDMI x2 (HDMI with HDCP 1.4), 1x HDMI Out (for dual screen control management control and preview monitor)
Optional x1 (only when HDMI output 1 not used)
Line in / Line out, HDMI In/Out, USB In/Out
Rear USB 3.0 x4, front USB 2.0 x2
Yes, 2x 1GigE
Yes
2.4 and 5 GHz
TCP/IP, FTP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP, LDAP, LDAPS
DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Proxy, Interface priority
IEEE 802.1X
WEP, WPA2, WPA2 Enterprise or IEEE 802.1X
Yes
Web interface, remote control, Visualizer, multi-touch display, room control system, keyboard / mouse, vSolution App
428 x 218.7 x 88.2mm (16.85 x 8.6 x 3.47")
Max. 105W
4500g (9.9lb)
Remote control (free of charge on request)
Power cable, antennas, rackmount/table mount kit
Yes
3 years (optional extension to 5 years)

vSolution MATRIX specifications

Features

Description	Feature pack option. Activate on a single Cynap Pro system to enable network AV functionality between multiple Cynap Pro and Cynap Core Pro systems
Number of Cynap Pro systems requiring vSolution MATRIX Feature Pack	1
Maximum number of Cynap Pro / Cynap Core Pro 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. Up to 4 workstations can share content between themselves.
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, Windows Server 2012 R2 & 2016, Windows Web Server, macOS) 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
Cynap Pure Receiver option	Optional add-on units can receive a stream from Cynap Pro, enabling multiple additional screens to be added. Also enables extension to additional rooms. A user controlling the session can allow annotations to be made using the Pure Receiver if required.

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

Design and specifications subject to change!



Visualizer technical specifications

Features	vSolution Cam	VZ-3neo.UHD	VZ-8neo.UHD	VZ-8.UHD	VZ-C6	EYE-14
Availability	Selected markets	Worldwide	Worldwide	Worldwide	Worldwide	Worldwide
Camera	1-CMOS 1/3"	1-CMOS 1/2.8"	1-CMOS 1/2.8"	1-CMOS 1/1.8"	1-CMOS 1/3"	1-CMOS 1/3"
Horizontal resolution (lines)	980	1400	1400	1600	980	980
Frames per second (in all resolutions)	30	30 (4K UHD), 60 (1080pFHD, 720pHD)	60	60	30	30
Effective megapixels per second	289.8	248.8	497.6	497.6	62.2	62.2
Native output resolution	1080pFHD	2160p UHD	2160p UHD	2160p UHD	1080pFHD	1080pFHD
Converted output resolution 16:9 / 16:10	720pHD	1080pFHD 720pHD	1080pFHD 720pHD	1080pFHD 720pHD	WUXGA, WXGA, 720pHD	WUXGA, WXGA, 720pHD
Converted output resolution 4:3 / 5:4	-	-	-	-	UXGA, SXGA, XGA, SVGA	UXGA, SXGA, XGA, SVGA
vSolution Link Pro remote management software	•	•	•	•	•	•
UVC compatible	•	•	•	•	•	•
Assistance with object positioning	-	-	-	-	Synchronized lightfield	Center lasermarker
Brightness control / white balance adjustment	Automatic / Manual	Automatic / Manual	Automatic / Manual	Automatic / Manual	Automatic / Manual	Automatic / Manual
Adjustable colour settings	•	•	•	•	•	•
Maintenance-free, adjustment-free, LED light system	•	•	•	•	•	-
Reflection-free working area	•	•	•	•	•	•
Built-in LCD preview monitor	-	•	•	•	-	-
Live to freeze comparison	-	•	•	•	•	•
Optical zoom	4x HD zoom	6x	12x	16x	12x	14x
Digital zoom	10x	2x	2x	4x	4x	4x
High speed continuous autofocus / manual focus	•	•	•	•	•	•
9-point Touch and Focus Mode	-	•	•	•	-	-
Shadow-free illumination/illumination of hollow objects	-	-	-	-	•	-
Camera rotation	-	-	-	90° to audience	-	-
User programmable presets	-	3	3	3	3	3
Optional dry-erase working surface	•	•	•	•	•	•
Swivel plate option (90° rotation)	-	•	•	-	-	-
Computer input/input switch	-	1x HDMI In	1x HDMI In	2x HDMI In	2x HDMI In	-
Seamless switching/fading effects	-	•	•	•	•	•
Image memory	1 image freeze	8 GB + USB stick	8 GB + USB stick	8 GB + USB stick	8 GB +USB stick	8 GB +USB stick
Digital image output	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI
HDBaseT 2.0	-	-	-	Optional x1	-	-
Analog image output	-	-	-	-	VGA	VGA
USB Device port	USB 2.0	USB 3.0	USB 3.0	USB 3.0	USB 2.0	USB 2.0
USB 2.0 host port	1	1	1	2	1	1
Ethernet (LAN) port	•	•	•	•	•	•
LAN web interface	-	•	•	•	•	•
Unicast/multicast streaming	-	1080p FHD	2160p UHD	2160 UHD	720pHD	720pHD
Video recording	-	1080p FHD	2160p UHD	2160 UHD	720pHD	720pHD
Room control APIs for controlling via LAN and USB	•	•	•	•	•	•
Anti-theft devices	Kensington® Lock / table lock bolt	Kensington® Lock / table lock bolt	Kensington® Lock / table lock bolt	Kensington® Lock / table lock bolt	-	Kensington® Lock
Audio	-	HDMI In/Out	HDMI In/Out	HDMI In/Out UAC	HDMI In/Out, Line In/Line Out	HDMI, Line In/Line Out
Infrared remote control	-	-	Optional	Optional	•	•
Free firmware updates	•	•	•	•	•	•
Warranty (years)	5	5	5	5	5	5
Made in Austria /Europe	•	•	•	•	•	•

Design and specifications subject to change!

Learn more about our solutions



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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.

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