

Systems & Solutions



Driving the Creation of Knowledge

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



With more than 40 years experience, our extensive knowledge and expertise across all application sectors enables us to offer comprehensive consultative guidance on customized combinations of hardware systems, software, apps, and accessories, which enhance communication, collaboration, and knowledge sharing across all environments. As part of each individual vSolution, WolfVision offers not only pre-sales advice, but also post-sales support, training, and service, ensuring that you receive maximum benefit from your investment.





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.**



Live Co
Imag

Visualizer & cam

Creative and efficient solutions for education and business

"Our students have the same high expectations of us as we have of them. In short, we want knowledge – more knowledge, new knowledge, cutting-edge knowledge in many disciplines. Clearly we perform better by generating knowledge as a group, so all the more significant are creative and efficient solutions for the presentation, sharing, and collaborative creation of knowledge – such as those offered by WolfVision with vSolution."

*Mike Allinson, Learning and Teaching Support Manager,
University College London*

Bring Your Own Device

All formats, all locations,
all devices

Use of personal tablet,
laptop or smartphone

All Digital Media

Cynap: multisource, multimedia
knowledge sharing

Engagement & interaction
for groups of all sizes

Collaboration

Flexible content sharing

Effective communication, and
knowledge transfer

Content ing

era systems

High quality, spontaneous,
easy to use

Solution

Comprehensive, secure,
flexible, user-friendly,
future-proof

Notes & Annotation

Visualizer working surface,
smartphone, or tablet

Illustration, explanation,
understanding

Presentation

Live and digital content

Versatile presentation of lecture
and meeting content

Video Recording

Capture, archive, share

Record to Visualizer, Cynap,
PC, or personal device

Webcasting & Sharing

Cloud, network, LMS,
streaming server

Live or on-demand information

Flexible Knowledge Sharing



Meetings and Conferences

WolfVision systems enable presenters to translate ideas into captivating 'live' interactive presentations, spontaneously and naturally, and to engage and communicate with groups of all sizes, in a manner that is more effective than any other presentation method.



Education & Training

WolfVision systems support the skills and efforts of educators in communicating and making a meaningful connection with the student audience, creating vivid learning experiences that leave a lasting impression.



Videoconferencing & Telepresence

When products, designs, prototypes and plans etc. need to be shown and discussed, a WolfVision Visualizer system is the perfect collaboration tool. It is also ideal for making notes and sketches, eliminating the need for a flip chart or whiteboard.



Healthcare

WolfVision systems are extremely easy to use, allowing health professionals to concentrate on what is most vital to them - the treatment and care of patients.

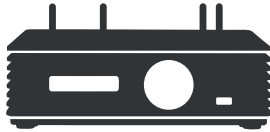


Courtroom & Legal

WolfVision systems and solutions enable crime weapons, documents from expert witnesses, x-rays, or forensic evidence to be easily shown to all court participants in fine detail, without any interruption to proceedings.

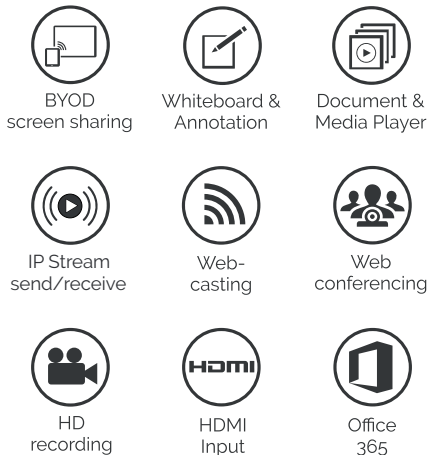
Choose your Cynap system!

Never before has success in business been so dependent on effective knowledge sharing and collaboration between employees. In educational institutions, successful learning depends on the effective implementation of innovative and creative teaching methods. We support effective communication and collaboration with our technologically advanced but outstandingly easy to use Cynap solutions.



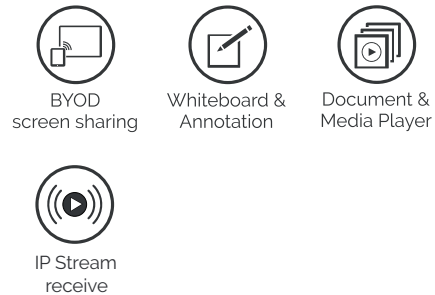
CYNAP

**Centrepiece of
the modern classroom
& meeting room**



CYNAP CORE

**Compact
collaboration &
presentation solution**



A powerful all-in-one wireless collaboration and presentation system, Cynap comes with media player, web conferencing, recording and streaming, BYOD wireless screen sharing, and annotation functionality. It is an ideal centrepiece for new and adapted classrooms and meeting spaces.

Cynap Core is a compact, easy to use collaboration system, providing 'core essential' collaboration features. Its wireless BYOD screen sharing, media player, plus annotation and whiteboard features make it an ideal add-on to existing room infrastructure.

vSolution Cynap™

Presentation, Collaboration and 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 both education and business environments.



Media player: Information on demand

Cynap can play, display, record, and stream 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 - without many of the limitations often found on other devices, and files are also accessible for playback using a connected USB stick.



Powerful video recording

Cynap features 1080pHD/30fps video recording functionality which can capture all presentation and lecture content. All types of content materials are captured, and

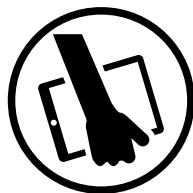
saved internally. With Cynap, flexible recording of multisource, multimedia educational content materials, for online, on-demand usage, is easier than ever before.



Webcasting: Efficient knowledge sharing

Our optional Webcasting Feature Pack makes it simple to stream your lecture or meeting content for live or on-demand viewing via a Wowza or IBM Cloud Video streaming server or to YouTube or Facebook Live. Audi-

ences can watch your videos anytime from anywhere they choose. Additionally, students or work colleagues on the same network as the presenter can receive and record a stream using our vSolution Capture app.



Wireless presentation: Bring your own device (BYOD)

Cynap offers an all-in-one wireless BYOD solution, suitable for smartphones, tablets and laptops alike. Using an iOS, Android, Windows or Mac device enables information to be accessed from almost any source. AirPlay, Chromecast, and

Miracast mirroring is supported, and up to 4 different devices can connect wirelessly to Cynap, and display on-screen content simultaneously in up to 4K UHD output resolution.





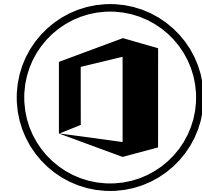
“Cynap is a powerful collaboration system that enables high performance presentation, recording, and distribution of all types of multimedia content material”

*Douglas Marsland -
Head of Audiovisual Services,
Heriot-Watt University, Edinburgh, UK.*




Office 365 Feature Pack

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



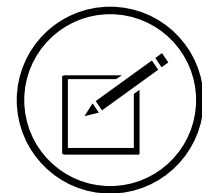
Built-in web conferencing

An optional  Skype for Business client can be integrated into Cynap. This enables point to point connection with any user with a Skype for Business enabled Office 365 account. A WebRTC web conferencing solution is also provided.



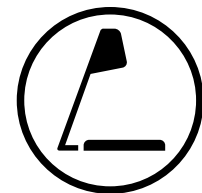
Whiteboard and annotation

Extra content material can be created quickly and easily 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.



Connecting a Visualizer

In both education and business applications, there is often a need to show 'live' materials on-screen. Combining Cynap with a Visualizer system provides this flexibility, and allows content materials to be utilized from both digital and physical sources.



Cynap Core: Core essentials for collaboration & presentation!

Cynap Core provides the core essential features you need for effective collaboration, and wireless presentation. With the same user-friendly technology, high performance processing, and enterprise-grade security features you'll find throughout our product line, with Cynap Core we've engineered a powerful, compact, and easy to use collaboration system - the perfect solution for classrooms, meeting rooms,

and huddle spaces everywhere. For larger active learning classrooms and collaboration spaces where multiple workstations are required, multiple Cynap and Cynap Core systems can be integrated into network infrastructure using our vSolution MATRIX feature pack, providing a truly scalable, high performance AV over IP collaborative working and learning environment.

App-free, dongle-free screen sharing!



Simply connect and share your screen using the wireless technology that's built into your own mobile device. Our wireless BYOD (bring your own device) solution suits all iOS, Android, Windows and Mac devices - with full support for AirPlay, Chromecast, and Miracast screen mirroring.



Capture your big ideas!



It's easy to create extra content material using our built-in digital whiteboard and annotation features, and multiple users can annotate on-screen at the same time if required.

Display & share your files easily



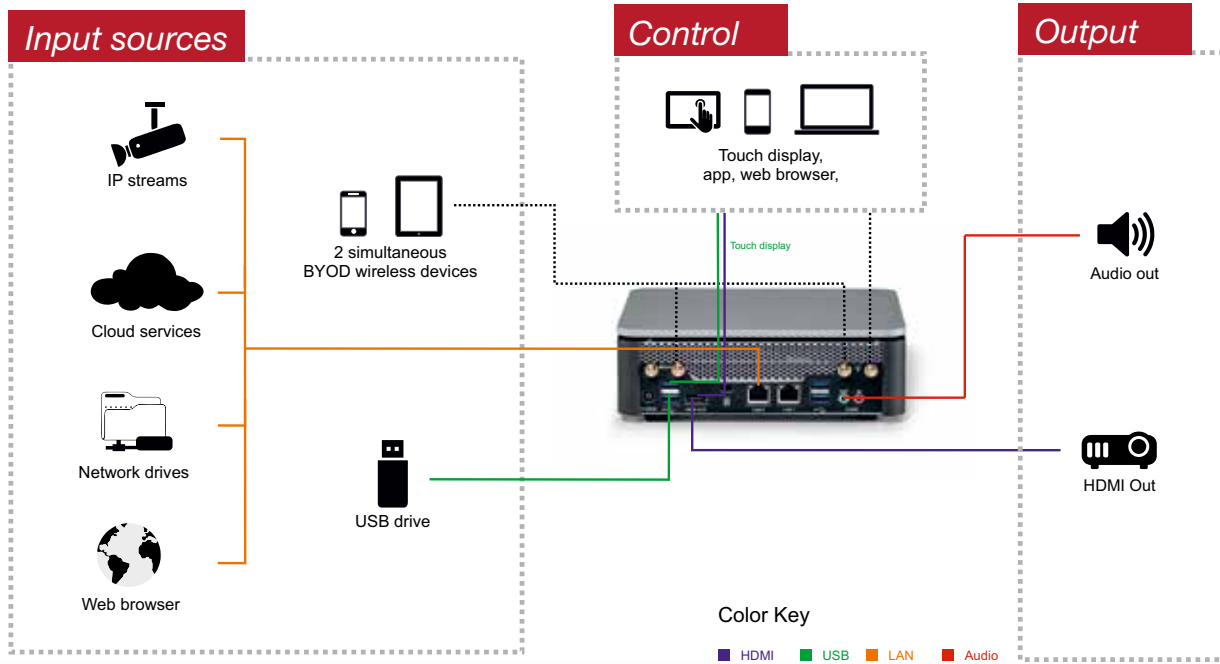
Access, display, and share your data on-screen easily from cloud, network drives or mobile devices - even your laptop is no longer essential - just bring your content on a USB stick, or download it directly from the cloud!

Enterprise level security



Security is a key consideration when introducing a wireless collaboration solution into your organization. Our secure Linux system keeps you virus and malware-free, and powerful security tools encrypt your data over both wired and wireless connections.

Cynap Core: Information sharing made easy!

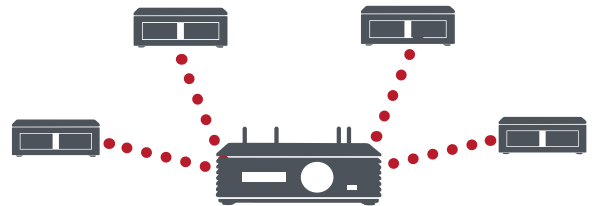


vSolution MATRIX: Networked AV-based technology for active learning

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 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 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 twenty workstations to be configured using either names, numbers or colours, to exactly match the actual layout of individual learning spaces.



Desktop Visualizer Systems



vSolution Cam

vSolution Cam *

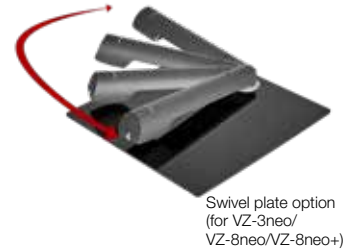
vSolution Cam is an elegant, entry level Visualizer system with excellent picture quality, plus the same robust design, and unrivalled ease of use, that is found throughout the entire WolfVision product line. Streamlined to include only essential functionality, it features a 4x HD zoom, an ultra-high resolution camera with 1080p HD output, adjustment-free LED lighting, and HDMI output. An optional Riser Plate enables pick-up of content materials in up to A4 portrait size. This basic 'live' imaging solution can be used either in combination with a Cynap system, or as a highly portable, stand-alone presentation device.



VZ-3neo
VZ-8neo+

VZ-3neo Series *

The VZ-3neo Visualizer system includes all the core features that every user requires. It features 1080p HD resolution, 30 frames per second, continuous autofocus, HDMI in/out, and a 12x zoom which can pick up objects as large as an open book or as small as a credit card in full size to fill a screen. VZ-3neo units are available either with or without an integrated working surface. The version without working plate is designed for permanent mounting directly onto a desktop or podium using the supplied swivel plate.



Swivel plate option
(for VZ-3neo/
VZ-8neo/VZ-8neo+)

VZ-8neo Series

The VZ-8neo series Visualizer systems feature the same elegant design as the VZ-3neo. They come with 1080p HD resolution, HDMI in/out, and a powerful 24x zoom (12x optical, 2x digital), enabling very small fingernail-sized items to be easily enlarged sufficiently to fill a display screen. The VZ-8neo+ comes with an LCD preview monitor for easier positioning of objects, a remote control, and frame rate of 60 fps which further improves the smoothness of motion and autofocus performance.



VZ-8plus+

VZ-8 Series

The fourth generation VZ-8light includes an impressive range of standard features, including 14x optical zoom, native 1080p HD resolution, high speed autofocus and HDMI output. The Visualizer VZ-8plus+ comes in the same housing, but has many additional features - such as a Live Preview Monitor and H.264 video streaming via LAN. The VZ-8plus+ also features a frame rate of 60fps, allowing for smoother motion and faster autofocus than ever before.



VZ-9.4F / VZ-9.4L

VZ-9.4 Series

VZ-9.4 Series Visualizer systems transform the way multimedia presentation content is handled. The VZ-9.4F and VZ-9.4L Visualizers come with integrated WLAN and audio, and both models are fully featured multimedia recording devices, with on-board HD recording functionality that allows complete multimedia presentations to be recorded. The VZ-9.4F features native 1080p HD resolution at a frame rate of up to 60fps, and the VZ-9.4L comes with a native WXGA / 720p HD camera at 30fps - and Synchronized Lasermarkers for easier positioning of objects.

“

Our faculty and students demand state-of-the-art technology. That's why we have outfitted 95% of our learning spaces with WolfVision 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*

Inspiring presentation and communication!

“Through their performance in the workplace, our graduates provide critical impetus for leading companies and organizations. We prepare them for their responsible roles. Of course for this we use the best solutions for presentation, communication, and cooperation that can be tailored to our own requirements.”

*Clive Bowery, Technical Manager (Campus Services),
Durham University, UK*



Ceiling Visualizer Systems

WolfVision's unique ceiling systems are easily integrated into a suspended ceiling or mounted onto the ceiling just like a projector. This enables the speaker's workspace to remain completely free of technical equipment - leaving nothing to obstruct the view between a speaker and the audience during a presentation, and allowing larger items to be easily displayed 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.

"WolfVision Visualizers enable us to explain complicated procedures much more vividly and in fine detail. For us they are quite simply irreplaceable, and it is very hard for us to imagine how we used to teach without them."

*Dr. Matthias Hirner,
Professor of Physics and
Informatics, HTL School of
Engineering, Bregenz, Austria*

VZ-C6 Series

The VZ-C6 Ceiling Visualizer system features native 1080p HD resolution at 30 frames per second, a Synchronized Lightfield for easy positioning of objects, 48x zoom (12x optical and 4x digital), integrated WLAN, and 8GB internal memory. Onboard HD video recording and streaming are also provided. The VZ-C6 is an outstanding presentation and lecture capture system, mounted on the ceiling.



VZ-C12 Series

The VZ-C12³ features a 1-CCD camera, Synchronized Lightfield, and professional telezoom lenses with 16x optical zoom factor. In combination with the 4x digital zoom, the total zoom range of the VZ-C12³ is 64x. The telezoom lenses enable the Visualizer to zoom in very closely, as well as picking up very large objects, and they also provide great flexibility in installation height.



Innovative networking of people & knowledge!

“Generating new and sometimes groundbreaking knowledge, whether in education or in research presents tremendous, but at the same time marvellous challenges. Meeting these challenges successfully requires innovative, comprehensive solutions, for presentation, knowledge sharing, and collaboration. This is what vSolution offers us.”

*Michael Sadler, Media Services Infrastructure Coordinator,
City University, London*



++ Video ++

Closer to Reality: 3D System

WolfVision's VZ-C3D is the world's first and only LIVE 3D presentation solution. This ceiling-mounted, 3D Visualizer features two high precision lenses and an onboard stereoscopic mixer which enables spectacular 'live' high definition 3D images to be viewed in real-time with any 3D enabled display. The VZ-C3D also features WolfVision's Synchronized Lightfield for easy and intuitive positioning of objects, and has built-in recording functionality.



3D Visualizer Series

The VZ-C3D delivers stunning visuals for 3D applications such as education and science, videoconferencing, telepresence, healthcare, telemedicine, product design, engineering, and many more.

- > Breathtaking 3D image quality enhances any presentation, lecture or training session
- > Educational and training materials are far more realistic and engaging
- > Complex 3D objects are more easily explained
- > In videoconferencing and telepresence applications, 3D imaging increases the immersive experience for participants
- > Corporate presentations and product launches are more impressive and have greater impact



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. Although the EYE-14 camera does not come with its own lighting system, room lighting or a spotlight for the working surface can be used if required.

EYE-14

The EYE-14 features a native 1080p HD camera with 980 lines resolution, 56x zoom (14x optical, 4x digital), and comes with onboard HD video recording functionality, 8GB internal memory, and an option to add WLAN connectivity if required.

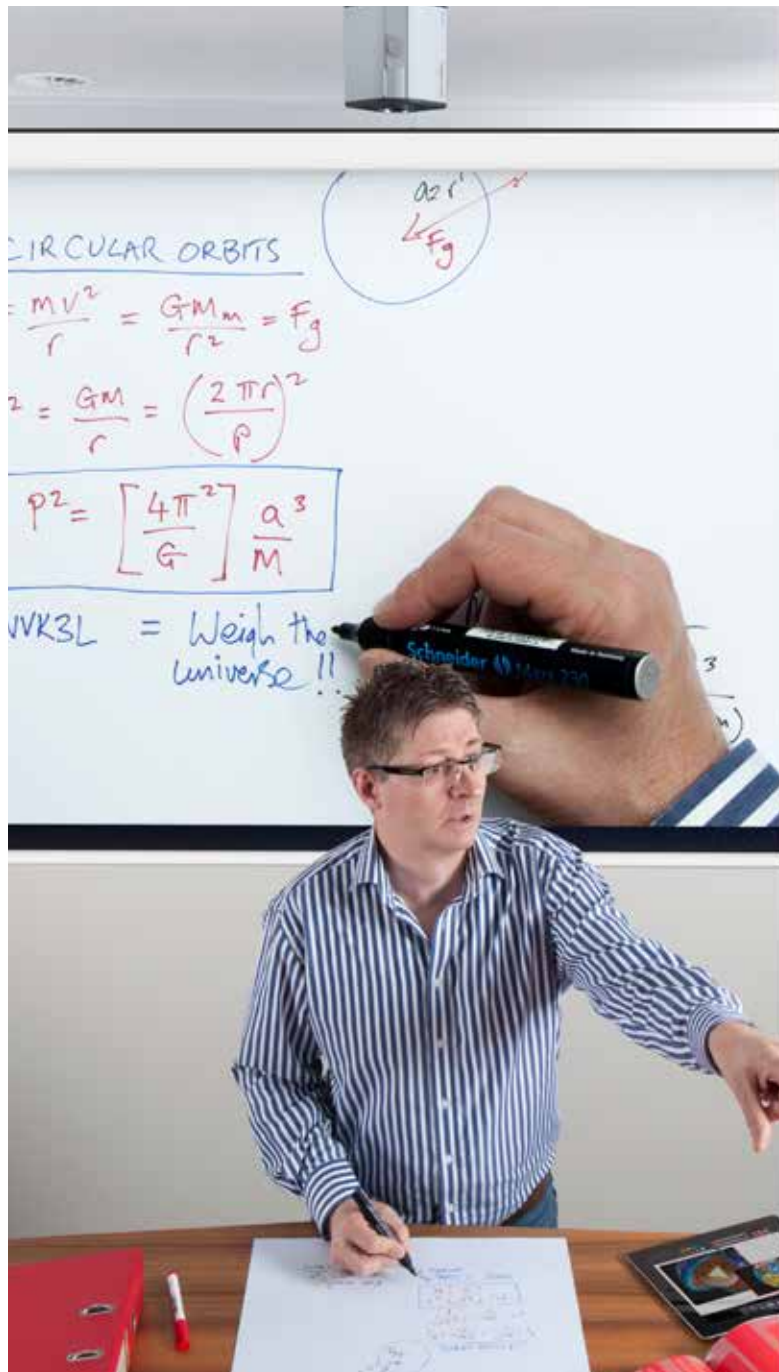
The camera system also features a single Center Lasermarker which marks the center point of the working surface, for easy positioning of objects. The lasermarker is synchronized with the frame rate of the camera, which means that whilst it is visible on the working surface, it is completely invisible in on-screen images and recordings.



EYE-14



EYE-14
rear view



Software and Apps

✓Solution Connect

Sync your system with vSolution Connect, our powerful app for tablets with a full multimedia control dashboard. This app allows all media types to be integrated into presentations, and controlled wirelessly using a single device. Materials stored either locally or in Dropbox can be added seamlessly into presentations, and a live image preview shows exactly what the audience sees on-screen.

✓Solution Capture

Using our vSolution Capture app with Cynap (Cynap Core not supported), enables students or work colleagues to receive and record a stream of presentations and lectures. A live stream of all presentation content, including audio can be captured, and recipients can personalize their own copy of the recorded stream by adding notes and annotations in real-time.

✓Solution Link for PC & Mac

vSolution Link enables a user to connect a computer directly to a compatible Visualizer or camera. The software allows for saving, printing and emailing of images, recording of videos, adding annotations and video streaming. It can also automate the Visualizer firmware update process. With a Cynap system, the software enables firmware updates, download and distribution of device settings to multiple systems, live image preview, and complete remote control of Cynap.

✓Solution Control

vSolution Control is an easy-to-use remote control app from WolfVision. Available for iOS, Android, and Windows platforms. This app enables a presenter to connect to a WolfVision Visualizer or Cynap system, and then use the intuitive touch-screen interface to control their content materials wirelessly from anywhere in the room.

✓Solution Cast (Windows, Mac, iOS & Android)

Using vSolution Cast software for Windows laptops and tablets in combination with Cynap, enables content from these devices to be easily mirrored to a display screen. Recent Windows devices running Windows 8.1 and above can also connect to Cynap via Miracast, but vSolution Cast overcomes the limitation of Miracast whereby mirroring is limited to only one device at a time. This software can also mirror Windows 7 devices that don't support the Miracast protocol.

The vSolution Cast apps for iOS and Android are for use in network environments where the Bonjour / mDNS services (device discovery protocols) have been disabled. These apps enable a Cynap to be manually added to the list of receivers, ensuring that users in all network environments can mirror screen content to Cynap via AirPlay / Chromecast.



Desktop Visualizer specifications

Features	vSolution Cam	VZ-3neo	VZ-8neo	VZ-8neo+	VZ-8light ⁴	VZ-8plus ⁴	VZ-9.4F	VZ-9.4L
Camera	1-CMOS	1-CMOS	1-CMOS	1-CMOS	1-CMOS	1-CMOS	1-CMOS	1-CCD
2D/3D imaging	2D	2D	2D	2D	2D	2D	2D	2D
Horizontal resolution (lines)	980 *	980	980	980	980	980	980	860
Frames per second	30	30	30	60	30	60	60	30
Effective megapixels per second	289.8	62.2	62.2	124.4	62.2	124.4	124.4	36.8
Native pixels of camera sensor	4224x 3136	1920x 1080	1920x 1080	1920x 1080	1920x 1080	1920x 1080	1920x 1080	1280x 960
vSolution Cynap compatible	•	•	•	•	•	•	•	•
vSolution Cynap Core compatible	•	•	•	•	•	•	•	•
vSolution Connect compatible	-	optional	optional	optional	optional	optional	•	•
vSolution Control compatible	•	•	•	•	•	•	•	•
vSolution Link compatible	•	•	•	•	•	•	•	•
UVC compatible	•	•	•	•	•	•	•	•
Firmware upgradable	•	•	•	•	•	•	•	•
Easy positioning of objects with synchronized lightfield	-	-	-	-	-	-	-	-
Easy positioning of objects with synchronized lasermarkers	-	-	-	-	-	-	-	•
Built-in LCD preview monitor	-	-	-	•	-	•	•	•
Live to freeze comparison	-	•	•	•	optional	•	•	•
Lens type (wide angle or telezoom)	wide	wide	wide	wide	wide	wide	wide	wide
Optical zoom	4x HD zoom	6x	12x	12x	14x	14x	16x	16x
Digital zoom	10x	2x	2x	2x	2x	2x	4x	4x
High speed autofocus/manual focus	•	•	•	•	•	•	•	•
Brightness control	•	•	•	•	•	•	•	•
Shadow-free illumination/ illumination of hollow objects	-	-	-	-	-	-	-	-
Camera rotation (audience/speaker)	-	-	-	-	100/120°	100/120°	180/110°	180/110°
User programmable presets	-	1	1	3	1 (or 3 optional)	3	3	3
Special working surface for transparencies	-	•	•	•	•	•	•	•
Optional dry-erase working surface	•	•	•	•	•	•	•	•
Swivel plate option with 90° rotation	-	•	•	•	-	-	-	-
Computer input/input switch	-	HDMI	HDMI	HDMI	HDMI	HDMI	2x HDMI	2x HDMI
Seamless switching/fading effects	-	optional	optional	•	optional	•	•	•
Image processing engine YSOP1	-	•	•	•	•	•	•	•
Image memory	1 image freeze	1 image freeze	1 freeze (9 +USB optional)	9 + USB stick	1 freeze (9 + USB optional)	9 + USB stick	8GB + USB stick	8GB +USB stick
Digital image output	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI	HDMI
Analog image output	-	-	-	-	VGA	VGA	VGA	VGA
USB 2.0 Device port	•	•	•	•	•	•	•	•
USB 2.0 host port	•	•	•	•	optional	•	•	•
RS232 port	via adapter	via adapter	via adapter	via adapter	via adapter	via adapter	via adapter	via adapter
Ethernet (LAN) port	•	•	•	•	•	•	•	•
Unicast/multicast streaming	-	-	-	•	-	•	•	•
WLAN stick (2.4GHz and 5GHz)	optional	optional	optional	optional	optional	optional	•	•
Video recording, including audio	-	-	-	-	-	-	•	•
Built-in microphone	-	-	-	-	-	-	•	•
Audio line in / line out	-	-	-	•	-	-	•	•
Infrared remote control	-	-	optional	•	optional	•	•	•
Warranty (in years)	3 (extension to 5 optional)	5	5	5	5	5	5	5
Made in Austria /Europe	•	•	•	•	•	•	•	•

* Average Measured resolution (O)

Ceiling Visualizer/Camera specs.

Features	VZ-C6	VZ-C12 ³	VZ-C3D	EYE-14
Camera	1-CMOS	1-CCD	2-CMOS	1-CMOS
2D/3D imaging	2D	2D	3D + 2D	2D
Horizontal resolution (lines)	980	820	980	980
Frames per second	30	30	30	30
Effective megapixels per second	62.2	36.8	124.4	62.2
Native pixels of camera sensor	1920x 1080	1280x 960	1080p in 3D	1920x 1080
vSolution Cynap compatible	•	-	-	•
vSolution Cynap Core compatible	•	-	-	•
vSolution Connect compatible	•	-	-	optional
vSolution Control compatible	•	•	•	•
vSolution Link compatible	•	•	•	•
UVC compatible	•	-	-	•
Firmware upgradable	•	•	•	•
Easy positioning of objects with synchronized lightfield	•	•	•	-
Easy positioning of objects with center lasermarker	-	-	-	•
Live to freeze comparison	•	•	-	•
Lens type (wide angle or telezoom)	wide	tele	wide	wide
Optical zoom	12x	16x	15x	14x
Digital zoom	4x	4x	4x	4x
High speed autofocus/manual focus	•	•	•	•
Brightness control	•	•	•	•
Shadow-free illumination/ illumination of hollow objects	•	•	•	-
User programmable presets	3	3	3	3
Special working surface for transparencies	optional	•	optional	optional
Optional dry-erase working surface	•	•	•	•
Computer input/input switch	HDMI	VGA	-	-
Seamless switching/fading effects	•	•	-	•
Image processing engine YSOP1	•	-	•	•
Image memory	8GB +USB stick	9 images+ USB stick	500GB SSD	8GB + USB stick
Digital image output	HDMI	DVI	HDMI	HDMI
Analog image output	VGA	VGA	-	VGA
USB 2.0 Device port	•	•	-	•
USB 2.0 host port	•	•	-	•
RS232 port	via adapter	•	-	via adapter
Ethernet (LAN) port	•	•	•	•
Unicast/multicast streaming	•	•	•	•
WLAN stick (2.4GHz and 5GHz)	•	-	-	optional
Video recording, including audio	•	-	•	•
Built-in microphone	-	-	-	-
Audio line in / line out	•	-	line level mic input	•
Infrared remote control	•	•	•	•
Warranty (in years)	5	5	5	5
Made in Austria /Europe	•	•	•	•



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

Cynap specifications



Features	Cynap	Cynap Core
Operating system	Linux, 8GB memory , 64GB internal storage	Linux, 8GB memory
Output resolutions	Up to 4K UHD, 2160p60 (4.2.0), 2160p30 (4.4.4), 1080p60 (4.4.4)	1080p60 (4.4.4), 1080p30 (4.4.4)
Compatible device operating systems	iOS, Android, Mac OS, Windows, Windows Mobile, and all HTML5 supported browsers	iOS, Android, Mac OS, Windows, Windows Mobile, and all HTML5 supported browsers
Supported apps/software	vSolution Capture, vSolution Connect, vSolution Cast, vSolution Control, vSolution Link	vSolution Connect, vSolution Cast, vSolution Control, vSolution Link
Supported image file formats	GIF, JPEG, BMP, PNG	GIF, JPEG, BMP, PNG
Supported document file formats	PDF, Word, PowerPoint, Excel, Text, HTML	PDF, Word, PowerPoint, Excel, Text, HTML
Supported video file formats	AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV	AVI, WMV, MOV, MP4, DivX, MKV, M4V, OGV
Supported audio file formats	MP3, WMA, MKA, OGA, OGG	MP3, WMA, MKA, OGA, OGG
Supported mirroring protocols	AirPlay, Miracast (no HDCP support), Chromecast, vSolution Cast (up to 30fps)	AirPlay, Miracast (no HDCP support), Chromecast, vSolution Cast (up to 30fps)
Max. no. of devices displaying material on-screen	4	2
Dual screen function	Yes	-
Max. receiver connections to Cynap via vSolution Capture app	Virtually unlimited (depends on network infrastructure)	-
Wireless device mirroring	Yes	Yes
Local streaming	Yes (Unicast/ Multicast), RTP, RTSP	-
Webcasting	Yes, to Wowza, IBM Cloud Video (Ustream) , YouTube and others (e.g. Facebook) via optional Webcasting Feature Pack	-
Local video recording	Yes, selectable up to 1080pHD, 30fps, .mp4 file format	-
Capture agent	Yes, via optional Opencast Capture Feature Pack	-
Cloud services	Yes, Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV protocol	Yes, Google Drive, Dropbox, Box, Jianguoyun, OneDrive, WebDAV protocol
Access to Office 365 apps	Yes, via optional Office 365 Feature Pack	-
Access to network drives	Yes	Yes
Document and media player	Yes	Yes
Whiteboard and annotation	Yes	Yes
Presentation modes	Protected Mode, Open Mode	Protected Mode, Open Mode
Dynamic on-screen content arrangement	Yes	Yes
Web conferencing	Skype for Business via optional Office 365 Feature Pack, WebRTC	-
Customizable background image	Yes	Yes
Encrypt and save personal user settings	Yes, save onto USB stick	Yes, save onto USB stick
Integrated web browser and screensaver	Yes, with personalized homepage & bookmarks	Yes, with personalized homepage & bookmarks
Video input	HDMI x2 (HDMI with HDCP 1.4)	HDMI In not supported (frame grabber can be used to connect to HDMI source if required)
Video output	HDMI x2 (HDMI with HDCP 1.4)	HDMI x1
Audio	Line in / Line out (unbalanced, 3.5mm mini jacks)	Line in / Line out (unbalanced, 3.5mm mini jacks)
USB ports	Rear USB 3.0 ports x4, front USB 2.0 port x1	Rear USB 3.0 x4, Front USB 2.0 x1
LAN ports	Yes, 2x 1GigE	Yes 2x 1GigE
Bluetooth device discovery	Yes	Yes
WLAN standards	802.11 ac/a/b/g/n (2.4 and 5GHz), up to 867Mbps	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	TCP/IP, FTP, HTTP, HTTPS, SNMP/NTP, SSL, SSH, UDP
IP configuration	DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Interface priority	DHCP, Static (IP address, Subnet mask, Default gateway, DNS server), Interface priority
Security encryption for LAN	IEEE 802.1x	IEEE 802.1x
Security encryption for WLAN	WEP, WPA2, WPA2 Enterprise or IEEE 802.1x	WEP, WPA2, WPA2 Enterprise or IEEE 802.1x
RMS encryption	Yes	Yes
External controlling	Remote control with gyro sensor function, web interface, Visualizer, multi-touch display, room management system, keyboard and mouse, device status display	Web interface, Visualizer, multi-touch display, room management system, keyboard and mouse, optional remote control with gyro sensor function
Dimensions (L x W x H)	245mm x 245mm x 79mm (9.65" x 9.65" x 3.1")	203mm x 196mm x 67mm (7.99" x 7.71" x 2.63")
Power consumption	Max. 105W	Max. 80W
Weight	2530g (5.58lb) standard configuration	1840g (4.05lb)
Optional accessories	19" rack unit mounting frame, under desk mount, USB hub, HDBaseT-TX module	Optional remote control, 19" rackmount, VESA mount (75mm /100mm)
Included accessories	Remote control, power supply, antennas, HDMI & LAN cables	Power supply, antennas
Limited warranty	3 years (optional warranty extension up to 5 years)	3 years (optional warranty extension up to 5 years)
Made in	EU/Austria	EU/Austria

Learn more about Solution



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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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