EN WOLFVISION®
Driving Knowledge Creation

Evidence presentation solutions for in-person, hybrid & virtual courtrooms

Cynap & vSolution MATRIX: Evidence presentation solutions

vSolution Matrix is a networked AV evidence presentation solution for courtrooms. It is easy to install and simple to use. In combination with Wolfvision Cynap systems, it provides a unique and highly-intuitive drag-and-drop interface that makes secure handling and management of on-screen content in courtroom environments easier than ever before.

vSolution MATRIX

Dedicated encoders and decoders, or complex room control systems are not needed. Users simply route video streams directly between WolfVision's Cynap Pro, located on the podium, and connected Cynap Core Pro or Cynap Pure Receiver devices, which are provided for judge's bench, jury box, attorney tables and witness stand. Additional screens can also be installed in the room together with a Cynap Pure Receiver as required. Installers simply use an intuitive drag-and-drop interface to create a visual floorplan of the courtroom. A judge or clerk of the court can simply drag and drop signals between the different screens to display evidence onscreen as required during court hearings. Standardized workflows using ' Preview' or 'Publish' options ensure that on-screen evidence from any source, can be displayed in a controlled and secure manner.

“

The WolfVision solution handled our goals and exceeded our expectations. We now have a cost-effective solution that is simple to use, and that makes training easy.”

Paul Pridemore
Senior Audio Visual Engineer Ninth Judicial Circuit Court of Florida, USA

Preserving the integrity of courtroom processes

Wireless presentation made easy!

Cynap systems support AirPlay, Miracast, and Chromecast screen mirroring, so no apps, buttons, dongles, or extra software are needed, when sharing digital content wirelessly onscreen in the courtroom, from any smartphone, laptop, or tablet.

Controlled presentation of evidence

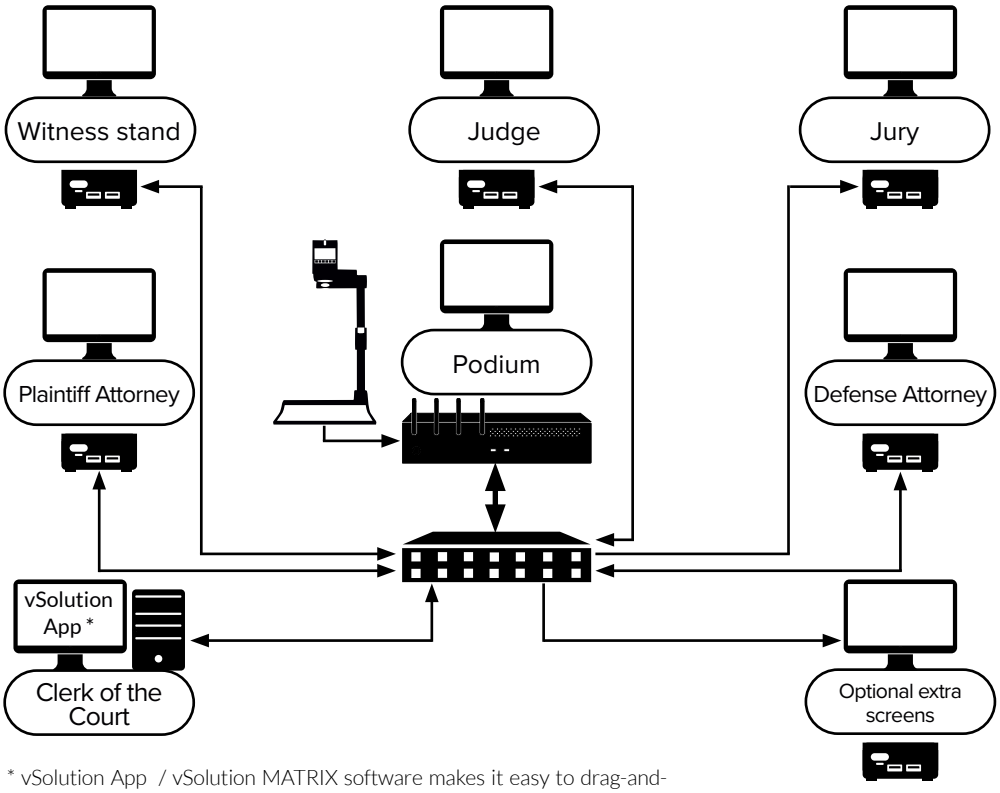
With a 'Preview' and 'Publish' workflow, court officials use simple drag-and-drop movements to push on-screen content for the judge to preview and approve, or for jury, plaintiff, or defence attorneys to view. No content is displayed onscreen without approval.

Consistent viewing of onscreen evidence!

The rapid shift to virtual and hybrid courts means that evidence presentation systems must now operate far more flexibly than ever before. Our systems ensure that displayed evidence is viewable on-screen in a consistent and controlled way for both in-room and remote court attendees.

Hybrid courtroom efficiency

The global pandemic led to a dramatic shift in the way justice is delivered in courtrooms, Post-Covid, Cynap solutions are used in many courtrooms where remote and hybrid hearings, arraignments, and trials have become the norm, helping to reduce backlogs, and deliver significant cost savings.



* vSolution App / vSolution MATRIX software makes it easy to drag-and-drop digital and analog evidence for onscreen display anywhere in the room.

Key system advantages

Multi-platform web conferencing

Cynap's multi-platform web conferencing solution supports Zoom, MS Teams and WebRTC-based web conferencing services. Including web conferencing capability ensures that presented evidence is easily viewed by both remote and in-room session participants.

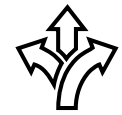
Annotation at the witness stand

Cynap Pure Receivers support touchscreen annotation functionality which is useful for example on the witness stand. Judges can strictly control who is authorized to annotate, and when they are allowed do it, to avoid any misuse during court proceedings.

Add a Visualizer for display of analog evidence

Physical evidence placed under a WolfVision Visualizer/ document camera and enlarged onscreen, helps attorneys to create powerful arguments. 'Live' evidence is part of the overall WolfVision system and content can be pushed to any display screen for viewing as required.

Remote arraignments using Cynap Pure Pro



Adding a Cynap Pure Pro wireless presentation and collaboration system to external locations can help to extend the physical courtroom. For example, installation in a jail helps to create greater efficiency when prisoners can attend arraignments remotely.

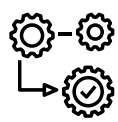
Reducing equipment - reducing costs

Eliminating racks full of audiovisual equipment means reduced costs, as well as fewer potential points of failure. Customizable peripheral device controls also handle tasks that would otherwise require a room control system, reducing costs even further.

Built-in webcasting technology

Cynap's multi-functional capability also includes webcasting. This can be used for streaming of court proceedings for 'live' or on-demand viewing, either to a dedicated platform, or to popular channels such as YouTube, Facebook, or others.

Remote management & updates



The included vSolution Link Pro remote management software facilitates easy remote setup, monitoring, management, and updating of multiple systems across multiple locations. Firmware updates are free of charge, and there are no recurring license fees.

Maximum security in the courtroom

Separate networks can be configured for court personnel and external visitors for maximum network security, and all wireless content is 100% encrypted. After each court session, no information is stored on any WolfVision system.

Technical specifications

vSolution MATRIX

vSolution MATRIX description	Feature pack option. Activate on a single Cynap Pro system to enable networked AV functionality between multiple Cynap Pro and Cynap Core Pro or Cynap Pure receiver systems
Number of Cynap Pro systems requiring vSolution MATRIX Feature Pack	1
Maximum number of Cynap Core Pro / Cynap Pure Receivers for extra screens in room	40
Additional encoders / decoders required	None
Touchscreen compatibility	Yes
Maximum stream resolution	1080p30
Annotation	Content streamed to, and displayed on a Cynap Pure Receiver can be annotated over and saved when authorized and enabled by a judge. Primarily used on the witness stand.
Control options	Browser-based control with user-defined Room View showing layout of the courtroom
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 where multiple room layouts are in use
Define groups for screen content sharing	Yes, used to create 'Preview' and ‚Publish' groups for authorization by the judge, and then for sharing evidence to pre-defined groups. Up to 5 pre-defined group can be configured.
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
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 each station if required..
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 units	These add-on units are used to receive a stream from Cynap Pro, enabling the multiple additional screens to be added to the room. They can also be used as an extension to additional rooms if required. A user controlling the session can allow annotations to be made using the Pure Receiver if needed.

Design and specifications subject to change! | Printed in Germany, August 2022

Please contact a WolfVision representative for more information, and to learn about the flexibility, usability, and scalability of our unique, end-to-end evidence presentation solutions, for in-room, virtual and hybrid courtroom environments.

Your WolfVision Partner:

More information:

WOLFVISION®

www.wolfvision.com

Head Office:
WolfVision GmbH
6833 Klaus / Austria
Tel. +43 5523 52250
wolfvision@wolfvision.com

Japan Sales Office
WolfVision Co. Ltd.
Tel. +81 3 6233 9465
japan@wolfvision.com

USA Sales Office
WolfVision, Inc.
Tel. +1 770 931 6802
usa@wolfvision.com

Switzerland Sales Office
WolfVision Switzerland
Tel. +41 71 571 38 00
switzerland@wolfvision.com

Nordic Sales Office
WolfVision Nordic (Norway)
Tel. +47 9186 9736
nordic@wolfvision.com

UK Sales Office
WolfVision UK Ltd.
Tel. +44 1628 968660
uk@wolfvision.com

Middle East Sales Office
WolfVision Middle East (Dubai)
Tel. +971 5617 40008
middle-east@wolfvision.com

Asia Sales Office
WolfVision Pte. Ltd. (Singapore)
Tel. +65 6636 1268
asia@wolfvision.com

Germany Sales Office
WolfVision GmbH
Tel. +43 5523 52250
germany@wolfvision.com

India Sales Office
WolfVision India
Tel. +91 9136009722
india@wolfvision.com