

Zio

Networked Audio/Video/Control



Zio



Our Zio family of products provides robust AV distribution and management coupled with an easy-to-use GUI and comprehensive administration tools.

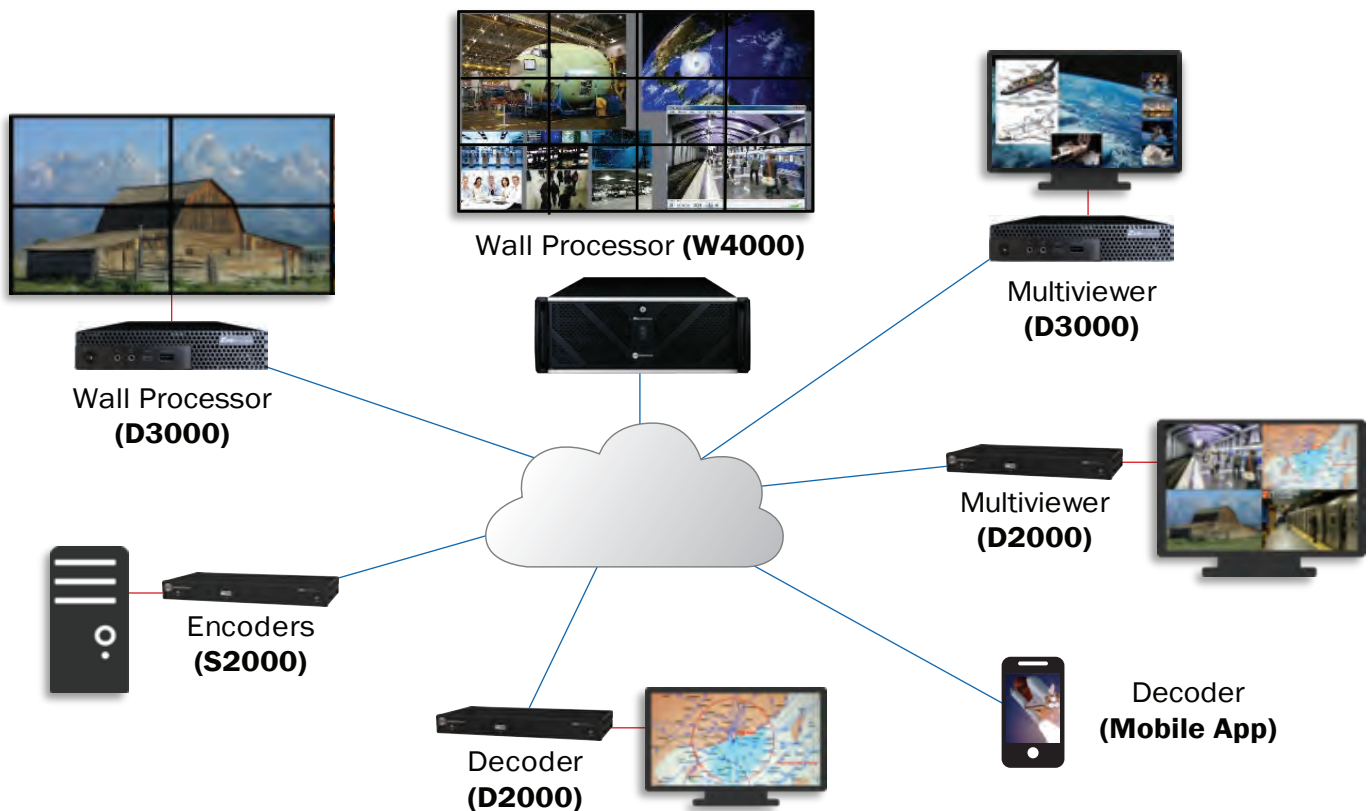
Zio® networked AV-over-IP delivers real-time video and audio over any size network. No other vendor offers as complete a system.

Others offer encoders & decoders; We provide an AV-over-IP platform.

- We are enterprise-capable, at home on WANs as well as LANs.
- Our decoders offer web-based content along with live video.
- A mobile decoder app vastly expands the reach of the system.
- Our solution includes multiviewers & videowalls for multi-signal presentation.

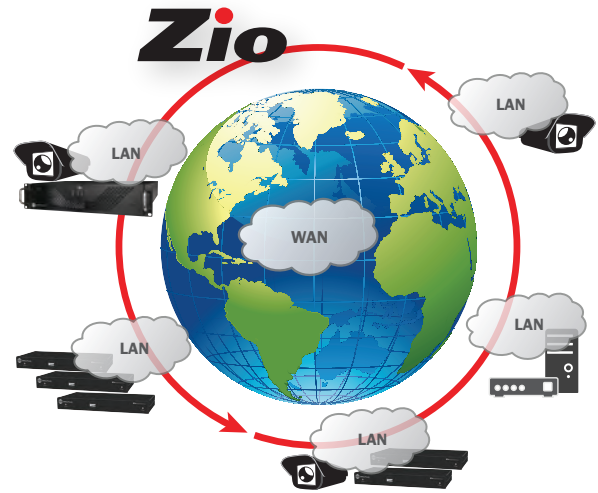
System Topology

The Zio platform provides a full AV-over-IP solution, including encoders, decoders, video wall processors, multiviewers, and decoder apps for smart displays and mobile devices.



Key Features

- Management and control across LANs and WANs
- Live video + web-based content
- Decoder app for mobile devices
- Scripting interface for external system control
- HDCP Compliant



Gateway Optimization - LANs and WANs

Zio's architecture is designed to bridge the gap from LAN to WAN, allowing you to pull in content from anywhere and push content out to where it needs to go.

Scalability

Zio products are based on a peer-to-peer architecture that provides near infinite scalability. As your system grows, additional Zio endpoints can easily be added.

Flexible Compression

Choice of H.264 compression method and parameters allow optimization for the needs of any environment, e.g., high-quality, low-latency or low-bandwidth. Where bandwidth is sufficient, Zio supports all I-frame compression for the highest quality and lowest latency.

Video Wall Functionality

Zio wall processors provide the ability to display IP and local baseband content across multiple displays. For additional functionality, Zio endpoints are also integrated with RGB Spectrum's *MediaWall* and *Galileo* video wall processors, providing streaming inputs to the wall and streaming video wall content to other destinations.



IP-Based Multiviewer

Zio multiviewers allow simultaneous decodes of multiple streams on displays or projectors, at up to 4K resolution. The Zio multiviewer line-up includes easy-to-deploy, smaller models and higher capacity, rackmounted units.

Device Interoperability

Zio products are fully interoperable with many other H.264/H.265 networked AV products. The Zio solution includes a decoder app for mobile devices to extend the reach of your AV system.

Reliability

Zio's peer-to-peer architecture avoids "single point of failure" vulnerability. An automated failover feature helps ensure continuous operation.

Third-Party Control

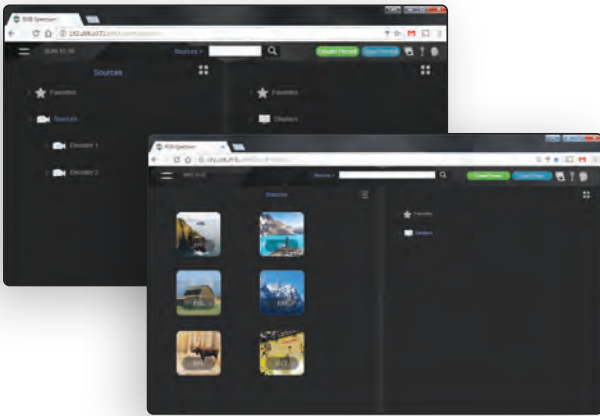
Zio can control external systems or be controlled by them; scripting enables sophisticated interaction. An API for control by third-party devices is available.

Web Content + Live Video

Zio endpoints include the ability to display browser-based content along with live video using Zio WebView. Web pages, tickers, analytics – anything that can be displayed in a web browser can be dragged and dropped onto a window on the screen as easily as a video stream, facilitating digital signage and data analytic display applications.

Intuitive Control

Our User Experience team has designed the *Zio* control interface from the ground up. Simplicity and ease of use are evident throughout. But don't let the simplicity fool you - the *Zio* control interface allows administrators access to very advanced tools.



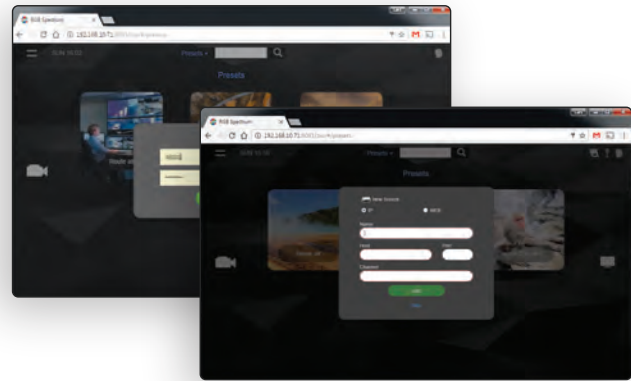
User Interface

The *Zio* user interface provides live thumbnails of each *Zio*-originated stream. Search tools make finding content quick and easy.

Any number of users can control distribution of content and manage endpoints – via PC, tablet or phone.

Robust Administration

Our solution delivers automatic device discovery, group device control, and bandwidth management to give administrators the power to set up quickly and keep operations running smoothly.



Decoder App for Mobile Devices

The *Zio* AV-over-IP system allows you to decode a stream directly on a mobile device with the *Zio* app.

The *Zio* mobile app connects remote workers by allowing any stream to be sent directly to the mobile device. Mobile users can select and view any stream in the *Zio* system.

Unified Management System

Setup, operation and management of *Zio* devices is facilitated by a Unified Management System. It's also the gateway for third-party control of *Zio* devices. A fully functioned API provides enhanced control of:

- Setup and operation
- Device group definition
- Device discovery and configuration
- User management and content security
- Content routing
- Scripting
- Preset save/recall
- Device management
- User/device access control
- Bandwidth management
- Remote firmware updates
- Content searching

Zio Product Family

Encoders/Decoders

S2000 Series Encoder

The compact *Zio* S2000 encoder accepts inputs up to 4K resolution over a locking HDMI connector with loop through capability. Power over Ethernet (PoE) included.



D2000 Series Decoder

The compact *Zio* D2000 is a flexible decoder designed to decode and display streams up to 4K resolution. Power over Ethernet (PoE) included.



Multiviewers

D2000 Series Multiviewer

The compact *Zio* D2000 multiviewer allows multiple streams up to 2K resolution to be decoded and viewed on a single display. Power over Ethernet (PoE) included.



D3000 Series Multiviewer

The *Zio* D3000 multiviewer builds on the functionality of the D2000, providing 4x the number of simultaneous streams displayed up to 4K resolution.



Wall Processors

D3000 Series Wall Processor

The *Zio* D3000 wall processor allows streams to be decoded and viewed on up to four displays. Streams up to 4K resolution can be shown at any size, anywhere.



W4000 Series Wall Processors

The feature-rich *Zio* W4000 supports 4K 60Hz resolution end-to-end with a mix of local baseband and IP video, mixing live and web-based inputs.



Accessories

Zio Rak Mounting Shelf

The *Zio* RAK is a rackmount shelf for up to 10 *Zio* S2000 or D2000 series units. This convenient 6RU high shelf allows each endpoint to be securely mounted in a vertical orientation and is designed for use with the PDU 400-12.



PDU 400-12 Power Distribution Unit

The convenient 400-watt Power Distribution Unit provides 12 channels of 12-VDC power in a rugged, 1RU rack-mountable enclosure. Designed for 24/7 reliability to optimize power management.





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