AV Decision Support

Real-Time Data Visualization
Situational Awareness
Common Operating Picture
Collaboration

Decision Support

Our mission is to enhance visual data accessibility across an enterprise and between organizations.

A pioneer in mission-critical visualization for real-time decision support, we provide tools for enhanced situational awareness, common operating pictures, and collaboration through the power of digital transformation. Our solutions deliver visual information from any source to any destination, from a video wall in a control room to a monitor across a campus or a cell phone anywhere in the world.

Data accessibility is critical. So are visual quality, 24/7 reliability, intuitive user interfaces, and good workspace ergonomics. All play a part in ensuring that data is available and readily actionable.

Enhanced situational awareness starts with collecting data from disparate sources over available networks and its reliable and secure dissemination, yielding a common operating picture available to all concerned parties. Collaboration may be remote or local, with persistent access to visual content, including underlying applications and video resources.

We offer a modular system of decision support components and systems, including a AV-over-IP platform that excels even in bandwidth-constrained environments, KVM-over-IP, recorders, desktop multiviewers, and video wall processors to meet any requirement.

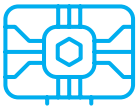
Better Decisions. Faster.™

Contribute, Receive, and Display Video Anywhere

Our *Zio* video-over IP platform is the core of our decision support system, offering real-time, bandwidth-efficient, low latency distribution across packet-based networks, including local area networks (LANs), wide-area networks (WANs), virtual private networks (VPNs) and mobile phone networks.

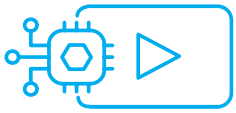
Zio AV-over-IP allows sharing intelligence within a single room, throughout campus, or across the world. It offers signal distribution and integrated display, incorporating everything from smartphones to multiviewers and video walls.

An open standards-based platform, *Zio* is compatible with third-party equipment and RGB's own full line of networked video appliances.



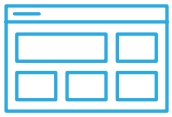
Codecs

Encoders/decoders in single or multichannel configurations accommodate multi-headed or independent computer video signals, simplifying network design and offering space savings.



Multiviewers

Decode visual content from multiple streams for simultaneous viewing on a high-resolution display. Multiviewers can display local and IP video in a small form factor package.



Video Wall Processors

Allows streams to be decoded and viewed on arrays of monitors or an LED wall, any size, *anywhere*.

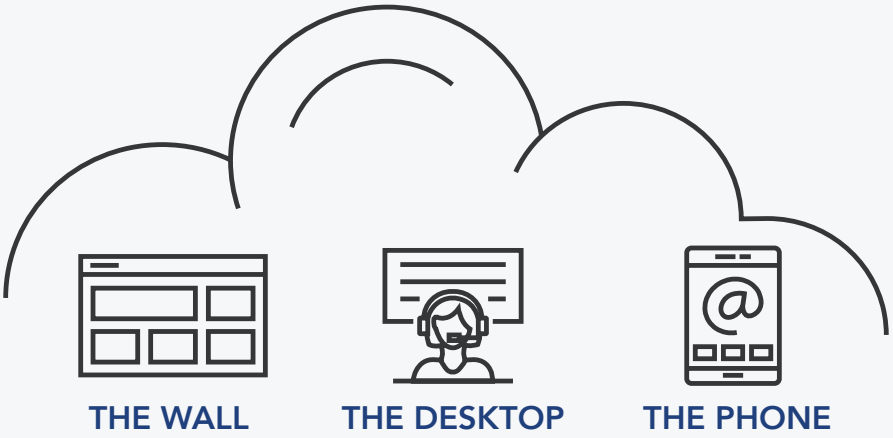
Recorders

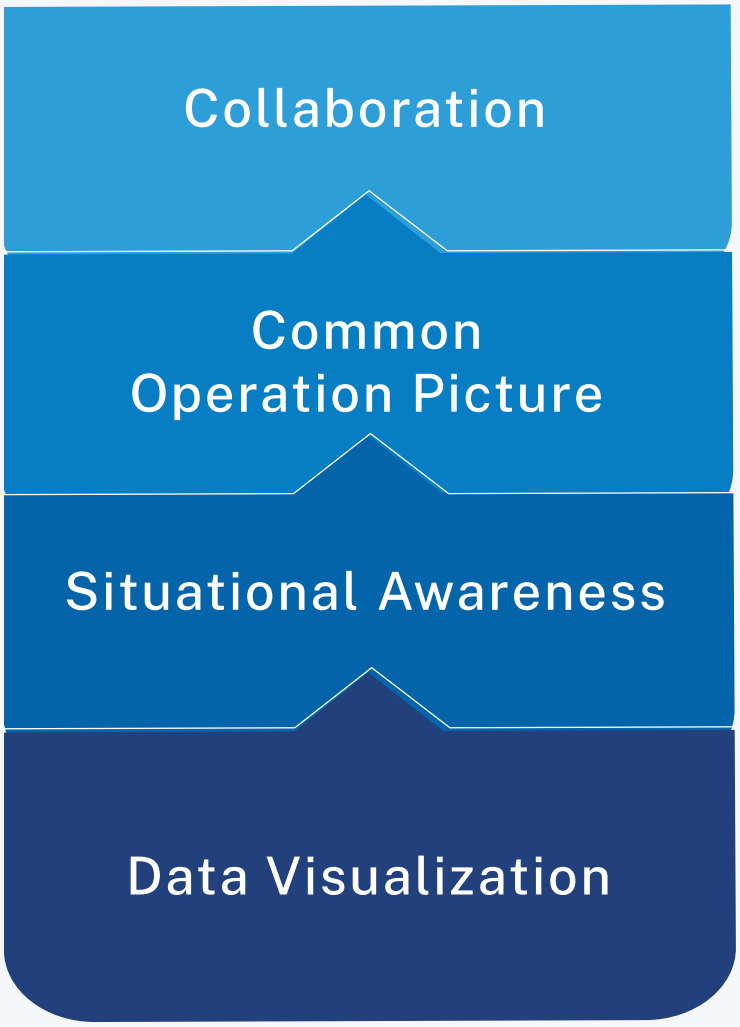
Manage video content with features that include concurrent recording, streaming and playback, with advanced playback control including stop, pause, forward/reverse, variable speeds, and jump to time.

Mobile Apps

Support Android and iOS phones and tablets, allowing visuals to be pushed by a central authority to designated mobile users - with notifications - or individually pulled by users.

Distribute and display any stream, to any device, *anywhere*.





Reimagining the Workspace

Attention to ergonomics is critical for operator efficiency. Operator stations often have multiple monitors and control devices to execute separate functions. But multiple display and control devices create clutter and confusion and reduce work efficiency.

The objective is to remove complexity and simplify operations. Our solutions consolidate multiple keyboards and mice with a single keyboard and mouse for all applications, providing simpler, unified control. Improved ergonomics are achieved by replacing multiple single-image displays with a “single pane of glass” or fewer multi-image displays.

The result is improved operational efficiency, streamlined workflow, reduced operator fatigue, and better decisions, faster.

A Typical Desktop Workspace

Display at the desktop includes multiple monitors, keyboards and mice controlling individual applications and data streams.

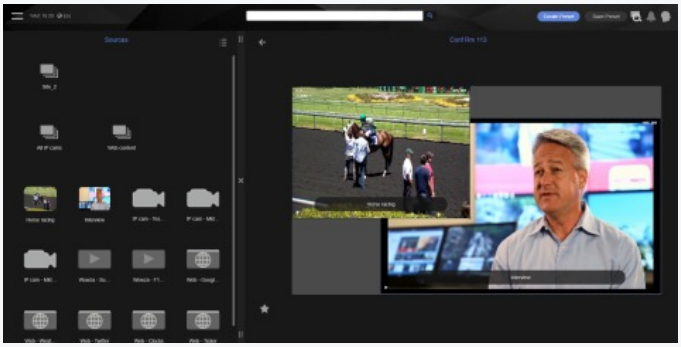
The Desktop Workspace Reimagined

The desktop with one or more multi-image displays, KVM control with a single keyboard and mouse, and unified user interface with simple navigation.

Better User Interfaces

Using an intuitive, user-friendly interface improves operational efficiency, streamlines workflow, and reduces operator fatigue and stress.

In addition to our own GUIs, we provide APIs to build custom interfaces to integrate event-driven control, external alerts, scheduling, and AI.

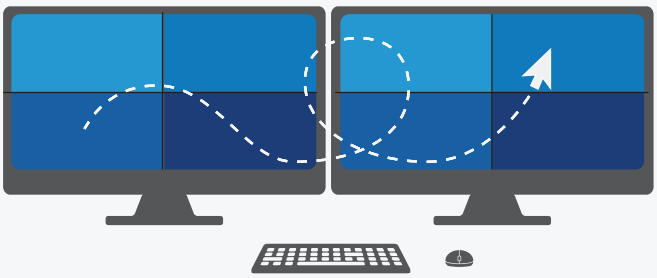


Simplicity by Design

RGB Spectrum's *Zio* platform offers an easy user interface with live thumbnails of IP streams. Search tools make finding content quick and easy. Any number of users can control distribution of their desired content – via PC, tablet or phone.

Drag, Drop and Go!

RGB Spectrum's *KlickSimple*™ KVM navigation greatly simplifies operator interaction by providing seamless navigation. Cursor position controls switching between applications.



The combination of KVM-over IP, multi-image display, and *KlickSimple* navigation has the power to transform the operator's workspace.

Collaboration

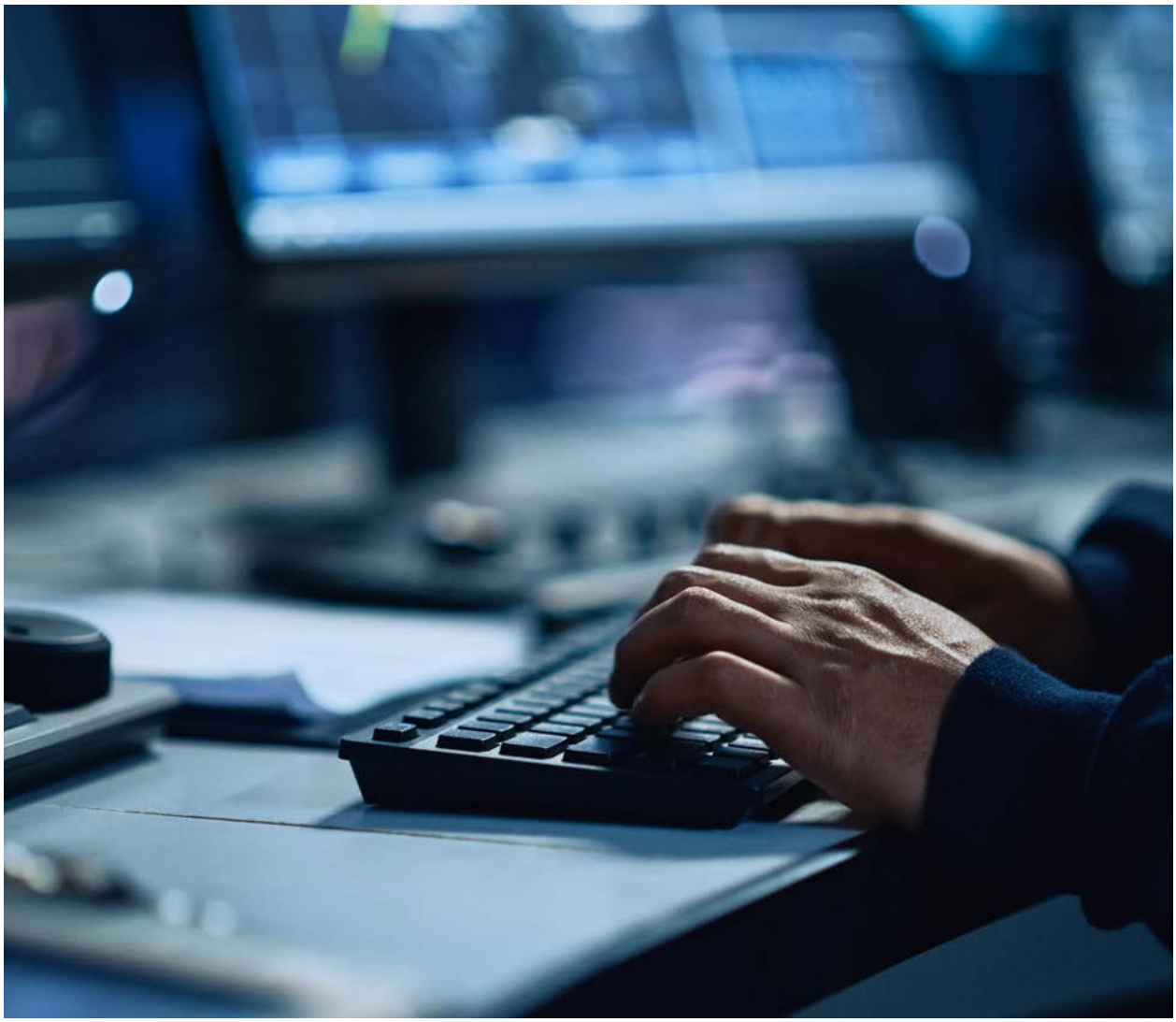
The large screen video wall is an unparalleled collaboration tool, allowing multiple decision-makers to share a common operating picture.

It must have the flexibility and power to perform its purpose effectively. Ours offers local, virtual, and IP inputs and full integration with the advanced Zio AV-over-IP platform. Users can see any content, any size, anywhere on the display, with customizable presets and advanced multi-user control.

Unified Operation at Your Fingertips

Our video solutions offer seamless interoperability, redundancy, and unified control end-to-end, providing signal distribution, multiviewer and video wall display, recording, and remote KVM control.

You provide the data. We get it where needed, in real-time, anywhere, over any network, on any display. We're your partner in digital transformation.



Our Solutions in Action

For almost 40 years, companies and agencies around the globe have modernized their mission-critical video distribution and display with our systems.

Public Safety

911 ECC
Real Time Crime Center
Fusion Center
Emergency Operations Center

Enterprise

Network Operations Center
Security Operations Center
Manufacturing Process Control
Cyber Security Centers

Defense

Shipboard Video Distribution
Mission Planning and Rehearsal
UAV Ground Control Station
Fire Control System
Tactical Operation Center

Medical

Catheterization Lab
Operation Rooms
Patient Monitoring Stations

Transportation

Rail Operations
Traffic Management Center
Airport Operations Center

Energy

Transmission
Distribution
SCADA Operations
Oil and Gas Operations

Everywhere critical decision making relies on visual information.

A Few of Our Key Customers

amazon

facebook

salesforce

ORACLE

ConocoPhillips

STATOIL

أرامكو السعودية
saudi aramco

nationalgrid

LOCKHEED MARTIN

BOEING

Raytheon

AIRBUS

NASA

JOINT STRIKE FIGHTER
F-35
LIGHTNING II

U.S.ARMY

SAN FRANCISCO POLICE

ELK GROVE
POLICE DEPARTMENT

CONTRA COSTA
COUNTY, CALIFORNIA

VENTURA COUNTY SHERIFF
Emergency Services

DHB

TORRANCE TRANSIT

DOUGLAS COUNTY
COLORADO

UNITED

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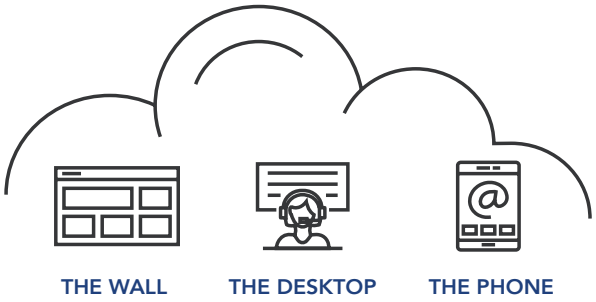

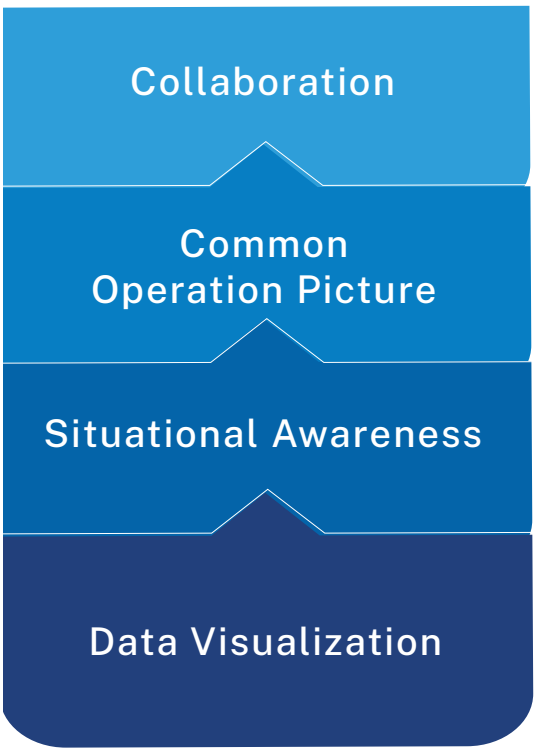

RGB SPECTRUM

Contact us to learn more.

RGB Spectrum HQ: **1-510-814-7000** • Contact your sales manager: **rgb.com/contact**

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