

POWERING YOUR PUBLIC SAFETY EMERGENCY COMMUNICATIONS CENTERS

Advanced Technology to Simplify Operations of the 911 Dispatch Center

The Emergency Communications Center (ECC) is the communications hub in first response. When an initial call is received, the operator needs to gather actionable data to help make the tactical decisions that put first responders into action. An ECC is a data-driven environment that accesses visual data from CAD systems, radio, VoIP, surveillance cameras, GIS data, records, and social media feeds.

New data visualization systems are improving ergonomics, modernizing workflows, reducing response times, and enabling new types of multiagency collaboration. How information is combined and presented is critical. Time is of the essence to capture and assess data and then relay that information to first responders to ensure quick resolution. That's where RGB Spectrum can help. With over 30 years of experience in command-and-control solutions for industrial, government, and military customers, we offer an extensive portfolio of decision support products.

Optimizing Operator Productivity and Intuitive Resource Management

RGB Spectrum solutions integrate multiple data sources and applications to enable simplified workflows and control through on-screen unification. Relevant data can be displayed on a single- or dual-screen monitor setup, without costly software integration.

With intuitive user interfaces, a dispatcher can use RGB systems with almost no training. Simply moving a single mouse over the desired windows on screen takes control of resources.

Portability, Expandability, Redundancy and Control

RGB Spectrum KVM solutions are available for a source PC that resides at an operator desk, a typical choice, or in an IT closet, for reducing heat and noise on the dispatch center floor as well as improving maintainability.

Operators who use the same desk on different shifts can each customize layouts based on personal preference.

Mobile App for Improved Coordination and Multiagency Collaboration

Emergency Communications Centers can mobilize advanced video technology to improve operational performance in the field. Because first responders may be in vehicles or on foot, RGB Spectrum's systems connect mobile devices together for remote collaboration. This solution enables dispatchers to quickly share visual content with first responders over a smartphone resulting in multiple agencies accessing the same common operating picture.

SOLUTION BENEFITS

Emergency Communications Centers depend on advanced technology to achieve optimum operational performance.



IMPROVE
ERGONOMICS



MAXIMIZE
SITUATIONAL
AWARENESS



IMPROVE DECISION
MAKING



EXPEDITE RESOURCE
RESPONSE

SOLUTIONS FOR EMERGENCY COMMUNICATIONS CENTERS

A SINGLE OR DUAL PANE OF GLASS VIEW, INTEGRATING ALL COMPUTERS AND APPLIANCES ON SCREEN

RGB Spectrum's multiwindow, single-screen KVM appliance – the *QuadView*® UHDx KVM – offers the ability to scale and control independent video sources using a single keyboard and mouse. The *QuadView* allows the user to seamlessly interact with four dynamic windows on a single 4K 60Hz monitor. Each operator who uses that desk can save unique presets to re-arrange the location of windows, resize them, or select a different resource from a total of six available inputs.

In addition, our *XtendPoint*™ KVM system offers up to eight video sources, replacing an array of multiple monitors with just two large multiwindow 4K resolution displays. *XtendPoint* is based on an IP distribution architecture that can access signals over a LAN or a WAN using *XtendPoint* encoders and decoders. It is a truly versatile system. Visual data can be routed anywhere, and to multiple locations simultaneously, allowing real-time sharing with supervisors and colleagues. This collaboration provides benefits for ongoing training, interactive supervision, and real-time decision support.



The *QuadView* UHDx KVM multiviewer is a high-performance, 4K 60Hz multi-image video processor with remote keyboard/mouse control for up to 4 computers simultaneously displayed in windows in a variety of customizable layouts. Each monitor of the *XtendPoint* system can display a 2x2 array or a single full screen image.

HIGHER PERFORMANCE VISUALIZATION, FASTER RESPONSE

The stress and long hours on a shift and the exaggerated movements required by traditional 911 workflows create a compelling need for intuitive workflows with enhanced ergonomics to reduce operator fatigue and improve response times. RGB Spectrum's systems help simplify the desktop with a fast, cursor-based KVM system to control all PCs and applications with a single mouse and keyboard.

COMMUNICATE & COLLABORATE WITH THE REMOTE WORKFORCE

Bringing technology on the go is possible with RGB Spectrum's *Zio*® Video-over-IP Mobile App. Deployed on a smartphone or other mobile device, *Zio* allows video sources to be "pushed" by the 911 dispatcher to remote force members, individually or in groups, or "pulled" from the 911 center by a remote team member. Any data the operator can access – photos, videos, building schematics, and more – can be shared to provide a common operating picture in real-time.



RGB Spectrum's *Zio* Mobile App provides mobile personnel, vehicles and remote facilities with the ability to view video wall content on a mobile phone or tablet in real time. This unique capability distributes and shares information to any device, anywhere.

RGB Spectrum solutions help move your 911 dispatch center to the next level. *Better Decisions. Faster.*™