



Powering Your Public Safety Emergency Communications Center

Advanced Technology to Transform the 911 Dispatch Center

Accessing Visual Data Quickly and Easily to Elevate Rapid Response Times

An Emergency Communications Center (ECC) is a data-driven environment that accesses visual data from CAD systems, radio, 911 applications, surveillance cameras, GIS, records, and social media feeds. New systems make it possible to improve ergonomics, modernize workflows, reduce response times, and enable multi-facility and multi-agency collaboration.

Time is of the essence to capture and assess data and then relay that information to first responders for 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.

Reimagining the Workspace

An operator's console typically accommodates multiple computers, each with its own monitor, keyboard, and mouse, a clumsy arrangement that can adversely affect focus and reaction time.

RGB Spectrum's *XtendPoint™* delivers a KVM (keyboard-video-mouse) system connecting multiple users and controllable systems, offering improved workflow and better ergonomics. *XtendPoint* offers operators a better user experience, giving the impression of operating a single computer rather than several. It replaces multiple displays, keyboards, and mice with one or dual large format multiviewers operated by a single keyboard and mouse.

With a secure, scalable, and redundant architecture, the *XtendPoint* Control and Management System (XCMS) comprises a complete workspace management solution, comprising a KVM-over-IP backbone, multiview displays with single mouse and keyboard control, and integration with remote users, video walls and even mobile devices:

- A reach from anywhere in a room (via a LAN) to anywhere in the world (via a WAN)
- Multi-user control, back-up, and supervision
- A desktop with a single or dual multiviewers replacing up to 8 monitors
- Unified control with a single mouse and keyboard of all systems (including CAD, radio, etc.)

Attention to ergonomics is critical for improved operator efficiency, reduced fatigue, and better focus.



**A Typical
Desktop Workspace**



**The Desktop
Workspace Reimagined**

Solutions for Emergency Communications Centers

The *XtendPoint* system displays and controls 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 LAN or WAN signals using dedicated encoders and decoders. Visual data can be routed anywhere and to multiple locations simultaneously, allowing real-time sharing with supervisors and colleagues for training, supervision, redundancy, and operator backup.

The stress of long hours on a shift and the unnecessary movements required by traditional 911 systems can be alleviated with intuitive workflows and better ergonomics to reduce operator fatigue and improve response times.

Transferring computers from the desk to the IT closet reduces clutter, heat, and noise at the operator's console, also reducing user fatigue.

And consolidating computers away from operators improves IT maintenance and enhanced security.



KlickSimple™ navigation across multiviewer displays gives the feeling of operating a single computer rather than multiple PCs.

XtendPoint Transforms a Siloed Operator's Console into a Network Node

Combining a KVM-over-IP backbone, multi-image display, and *KlickSimple* navigation will transform your 911 dispatch center, bringing it to a new level of capability, reach, efficiency, productivity, and reliability.

The systems are designed to be intuitive. A dispatcher can immediately use the solutions with minimal training.



Benefits from Advanced Technology

1 Integration of Applications without Changing Software

Applications can be displayed and controlled on a single- or dual-screen monitor setup without costly software integration.

2 Operator Customization

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

3 System Redundancy on Multiple Levels

All source computers can be controlled simultaneously by backup operators, supervisors, and trainers, even from remote facilities. In the event of a source computer failure, the EEC can switch to a spare PC imaged identically. Multiple networks can be engaged for communications.

With dual network ports, *XtendPoint* will continue working in the event of a network failure.

4 Workspace Clean-up

Transferring computers from the desk to the IT closet reduces clutter, heat, and noise at the operator's console, reducing user fatigue.

It also makes for improved IT operations and enhanced security.



Maximize situational awareness



Enhance operational efficiency



Improve decision making



Conduct faster incident assessment and analysis



Expedite resource response and deployment

5 Coordination and Multi-Agency Collaboration

All ECC computers can be available via a LAN, WAN or VPN to remote sites, including auxiliary facilities, other agencies and even home offices.

6 Integration with Other A/V Systems

Computer sources connected to *XtendPoint* can be accessed and viewed on RGB Spectrum's videowalls.

They can also be shared with the field force via smartphones and tablets using RGB Spectrum's *Zio AV-over-IP* app.



Contact us to learn more.

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