



# CONSOLE SOLUTIONS

PROVEN TRUSTED RELIABLE

P25 TRUNKED  
CONVENTIONAL



consoles you can count on



**P25 CSSI  
TRUNKED**

**P25 DFSI  
CONVENTIONAL**

With the emergence of the Association of Public Safety Communications Officials (APCO) Project 25 (P25) standards for both radios and consoles, P25 radio systems are being deployed today using best-of-breed components from multiple manufacturers. Not only does this approach offer more flexibility, it costs less to purchase and maintain over the system's lifetime. In the past, organizations that wanted an advanced radio system faced a challenge: either be locked into an expensive end-to-end proprietary system or struggle with limited features.

Avtec, Inc. provides pure Internet Protocol (IP) dispatch console solutions for public safety environments. There are thousands in service and over 8,000 legacy Avtec consoles in operation worldwide. Scout is built on open standards and provides interfaces to numerous radio, telephony, CAD, and recording system partners to support both interoperability and customer choice. Avtec's systems are proven, reliable, and scalable from one console position to hundreds.

## **SUPPORTS TRUNKED AND CONVENTIONAL RADIOS**

Scout systems support P25 radio systems through both wire-line and wireless connections. Wire-line refers to a direct IP interface between the console system and the radio infrastructure, which could be trunked or conventional. Scout supports the P25 Console Sub-System Interface (CSSI) and the P25 Digital Fixed Station Interface (DFSI) standards, as well as

proprietary extensions for partners which add additional functionality. Wireless connections are made via remote control of one or more P25 mobile radios, which connect to the radio system via RF. Because of Scout's modular architecture, all of these connections can be used on the same system.

## **PROVEN INTEROPERABILITY**

In January 2012, the City of Richardson, Texas accepted a Scout console for their E911 Communications system, which connects with redundant IP connections to a Cassidian Communications P25 COR 4-site radio system. This project represents the first North American installation where the IP

console controls a P25 RFSS using the CSSI protocol. By selecting a system based on open standards, the city's information technology (IT) department saved taxpayers millions of dollars and provided residents with a world class communications network.

## **AWARD-WINNING INSTALLATIONS**

Successful open-standards systems are being deployed every day. In 2013, the City of Richardson, Texas, received the APCO Technology Leadership Award for a Small Communications Center. This installation demonstrates how major

communications components – radio system, portable radios, logging recorders, and consoles – from different vendors can be successfully integrated using open standards.





# SCOUT 3.0: A COMPREHENSIVE DISPATCHING SUITE

## RELIABLE HARDWARE

The Scout 3.0 Hardware Audio Package continues Avtec's tradition of providing robust hardware designed with the dispatcher in mind. Ensure the highest levels of reliability with a dedicated media processing appliance at each console position:

### Scout Media Workstation Plus:

Smaller, lighter, more energy efficient design equipped with a dedicated audio processor and dual network connections that offer 100% redundancy. Workstation Plus is a direct upgrade of our Scout Media Workstation that is backward compatible with existing Scout peripherals.

### Scout Speakers:

New, reduced-sized speakers preserve the same power output as its predecessor, but are stackable, take up less workstation space, and offer simplified configuration options.

### Scout Microphone:

Our new ergonomic design features a professional-grade XLR microphone connection that is customizable to suit individual work positions perfectly, and provides a visual indication when the push-to-talk button is pressed by the operator.

## FLEXIBLE SUPPORT

Scout 3.0 Software Audio Package is the portable, flexible, soft-

ware-based option that allows organizations to break free of traditional limitations in dispatch technology. Handle all audio processing—patching, transcoding, gain control, mixing-through the console software on a Windows 7 laptop and use commercial, off-the-shelf peripherals including headsets, microphones, and speakers – and still enjoy the most configurable user interface in the industry. The Software Package is easy to use, easy to install, and provides expanded dispatch center capability that is ideally suited for disaster management or during special events.

## PORTABLE ACCESS

The name truly says it all with Ranger. This concentrated version is the ultimate console accessory for anyone who has an occasional need for monitoring or communicating across the radio infrastructure. The Ranger accessory provides Scout's key dispatching features—including endpoint cross indications—on portable devices such as tablet PCs and laptops. Ranger is an ideal solution because it allows for a full range of access for management and IT users who want to monitor communications across the radio infrastructure without full console ability, or access communications during emergency or crisis situations. Ranger provides connectivity for up to four radio channels using Scout's pure-IP architecture. Compatibility with commercial USB and Bluetooth® accessories support Ranger's flexibility.

## THE SCOUT DIFFERENCE

- Redundant DFSI and CSSI connections to P25 systems
- Simultaneous support for multiple radio technologies
- Distributable, redundant, end-to-end IP architecture
- Full featured NENA E-911 and CAD interfaces
- Most flexible user interface (UI) of any console – it works your way



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Avtec, Inc. provides pure Internet Protocol (IP) dispatch console solutions for the public safety, transportation, utility, business, and government markets. For more than 30 years, customers have chosen Avtec's award-winning technology for their mission-critical dispatch centers. There are thousands of Scout™ Voice over Internet protocol (VoIP) consoles installed worldwide.



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