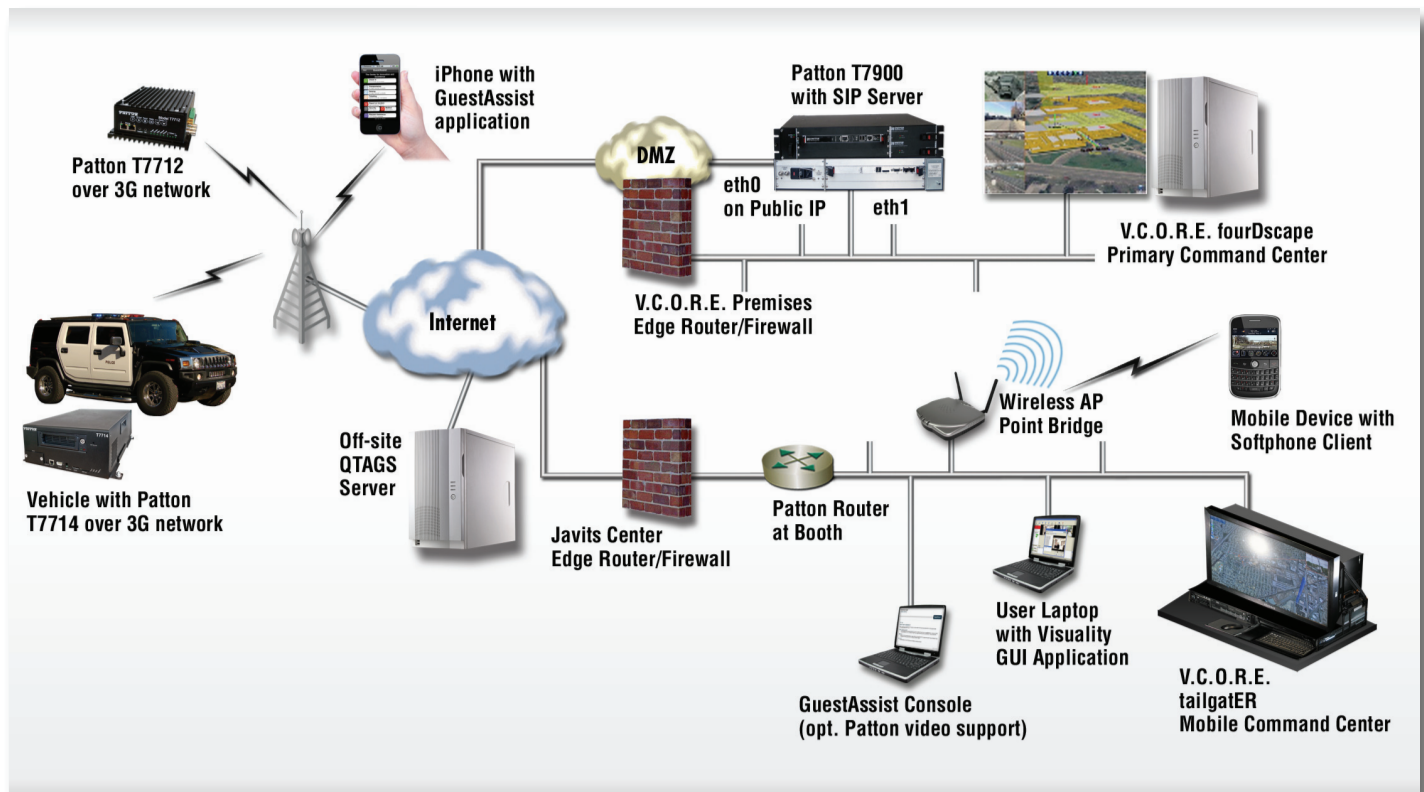


Total Fusion Demonstration

Total Fixed/Mobile Situational Awareness within a Common Operating Environment

When asymmetrical or catastrophic events are even a remote possibility or a likelihood, a top situational awareness solution can enable your organization to achieve information dominance over the threat. Be proactive and simultaneously speed up reaction to these events with the ability to observe, assess, anticipate, position and deploy resources more effectively.

A joint solution of Visuality™ Systems, *fourDscope*® technology and the GuestAssist™ Platform offer the optimal surveillance package for a wide range of applications and environments.



Patton, V.C.O.R.E. Solutions, and Qtags have joined forces to build the most formidable situational awareness solution on the market today. The diagram above illustrates the staged scenario of how the surveillance solution combats a potential dangerous event *before* it can occur.

Using Patton's Visuality™ system, V.C.O.R.E.'s *fourDscope*® technology, and Qtags' GuestAssist™ notification service, this joint-capabilities package provides many opportunities to observe, assess and respond to possible threats.

PATTON®

The Scenario

How a Successful Surveillance Solution Deters Unprecedented Adverse Events

In today's world, there are many uncertainties around every turn. Agencies are realizing the need for a complete situational awareness system that provides a fusion of imagery and sensor data presented in an aggregated common operating environment. With overt and covert surveillance operations, agents can address security breaches before the threat reaches the masses.

In this scenario, Patton, V.C.O.R.E. and Qtags demonstrate how Visuality™, *fourDscope*® and GuestAssist™ have been integrated to deter a suspected backpack bomber from threatening a complex of buildings. Using the GuestAssist™ application among employees, visitors, security personnel and pre-positioned surveillance cameras, the command-and-control center can quickly respond to an alert.

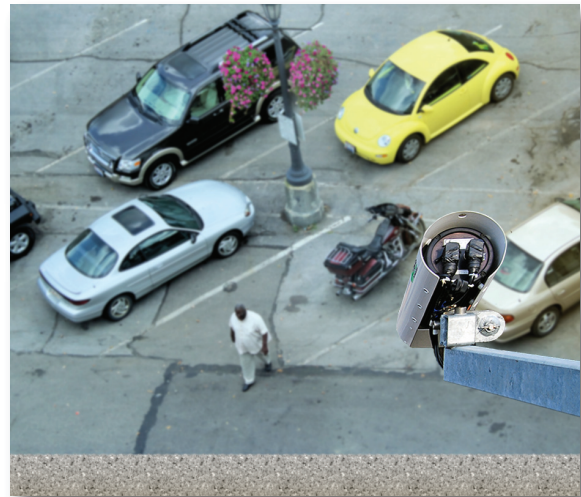
THE ALERT/INITIAL ASSESSMENT: The alert and threat assessment may begin like the following chain of events:

1. An employee outside in the parking lot of the complex sends an alert using the GuestAssist™ smartphone application to an operator located inside the venue.
2. The GuestAssist™ operator elevates the alert status and the location of the employee's mobile device displays in the V.C.O.R.E. *fourDscope*® console.
3. The V.C.O.R.E. operator dispatches a security vehicle with the Visuality™ mobile video system and also an agent on foot with a Visuality™ portable system to assess the threat.
4. Security operators at the central and remote command centers view and analyze the live video feed from the dispatched Visuality™ systems. The officials determine that a real threat is at hand.



THE THREAT: Recognition of a threat can mean all the difference when an incident takes just moments to unfold. Seemingly benign events or circumstances can evolve to a nightmare scenario quickly, and get enveloped in a fog of confusion.

In this scenario, an innocent query by a vigilant employee to an individual with a backpack raises the recognition of a threat. As a result, the security assets and command and control spring into action—quickly, assertively and professionally executing their tasks through the efficient use of the tools they have at the ready.



THE QUICK RESPONSE/RESOLUTION: Security agents swiftly take action with a coordinated and quick response:

5. Security personnel enact an evacuation sequence using the *fourDscope*® vertically-stretched venue floor plans. Operators continue to monitor and control the live video cameras.
6. First responders use the Visuality™ feeds, *fourDscope*® vertical stretch views and GuestAssist™ conversations on their mobile devices to coordinate action and intercept the threat.
7. Security officers continue to stand off and assess the situation from multiple views simultaneously without information overload tracking security assets in real-time through the system.
8. Command center managers review captured camera data and investigate and assess the situation and response. All the while, you the audience are looking on via a mobile remote command center that is normally deployed in the field right where the action or response is taking place.

The Technology

Why the **Visuality™/fourDscope®/GuestAssist™** Solution is the Optimal Solution

The joint-capabilities of this particular situational awareness solution is what sets the package apart from similar offerings. With Patton, V.C.O.R.E. and Qtags, each company brings a unique service to the table that integrates seamlessly with the other technologies.

Patton: **Visuality™ Mobile Video Systems**

Visuality™ is an awareness-delivery-and-distribution-platform designed for team-based operations. It brings our customers real-time as well as forensically collected video, audio and sensor data. Within the context of both fixed and highly mobile environments, Visuality™ is a unique tool using surveillance for the provision of awareness in the classic sense of the term. The Visuality™ product line includes a command-and-control server and portable video devices.

The **Model T7900 Command Server** provides tunnel termination, user credentials, complete remote unit control and manages simultaneous recording and re-streaming playout of up to 24 unique sources.

Each product in the package— Patton's Visuality™ Video System, V.C.O.R.E.'s *fourDscope®* browser, and Qtags GuestAssist™ platform— exemplifies a service to observe, assess, deter and eliminate adverse scenarios before they cause dire effects.



The **Model T7714 Multichannel Store and Stream DVR** provides a complete and secure video, audio, and GPS surveillance solution with integrated capture, DVR storage, and streaming.

The **Model T7712 Portable Video Server and DVR** provides feature-packed, affordable mobile video for security applications, VIP protection, and situational awareness improvement.

V.C.O.R.E.: *fourDscope®* Four-Dimensional Browser

V.C.O.R.E.'s *fourDscope®* is a patented four dimensional, integrated visualization technology providing situational awareness and command and control in a single easy-to-use interface.



The *fourDscope®* browser/server architecture has been designed to be a modular, open and simple interface. It provides interactive visualization capabilities that make it an ideal technology to integrate into data centers.

The *fourDscope®* solution integrates user-generated data from disparate sources, including live smart sensors, into actionable information. The information can be displayed in a *fourDscope®* browser that effectively presents the data in a single visual scene or common operating picture.

The layered system architecture works by refining raw sensor data as it propagates up each layer until it is visually represented in a *fourDscope®* browser as a temporally-spatially correlated set of dynamic objects in a 4D scene. This scalable, network-based architecture is capable of managing large arrays of surveillance, scanning and tracking sensor suites.

Qtags: **GuestAssist™** Notification Platform

GuestAssist™ is an enterprise feedback management platform that gives your customers easy access to you, and gives you a vehicle to engage them. It is text- and web-based and allows stadiums, conferences, event managers and hoteliers to talk to their guests via text messages using their own mobile phones. GuestAssist™ is currently licensed for use at many of the top professional, college and high school sports stadiums in North America as well as live events, conventions and conferences.



GuestAssist™ provides a number of features for security staff and patrons alike:

- **Security:** Increase awareness and reaction times
- **Guest Services:** Address patron concerns instantly
- **Concessions:** Find concession locations and menus
- **First Aid:** Deliver/receive medical attention quickly
- **Accessible and Mobile Communication:**

Relay information instantly in any environment between staff and patrons

The System

What Entities Influence the Capabilities and Direction of the Solution

The Best of Breed in the Surveillance Technology Sector

The **Visuality™/fourDscope®/GuestAssist™** package is backed by three companies that are proving to be key players in the situational awareness market among government entities, enterprises, and educational and medical institutions.

This partnership enables security teams to utilize a combination of live and captured video data, vertical environmental, multi-dimensional building plans, and instant communication capabilities to achieve a complete surveillance system.



PATTON ELECTRONICS: Patton is a multi-national organization that designs, develops, and manufactures electronic communications equipment for network access, connectivity, voice-over-IP, triple play and video surveillance. Deployed throughout the world in carrier, enterprise, and industrial networks, most Patton products are manufactured in the USA.

V.C.O.R.E. SOLUTIONS: V.C.O.R.E. Solutions LLC, a Joint Venture between two Long Island-based technology leaders, has been formed to provide real world solutions for homeland security, emergency preparedness, and rapid response environments.

QTAGS: Qtags designs and provides mobility solutions that engage customers, call them to action and help them remember the message. Qtags offers program solutions to stadiums, arenas, conference centers, government agencies and corporations throughout the United States, Canada and the Caribbean.

The Best of Breed in Federal Government Security Agencies

The Department of State, Department of Homeland Security, the Combating Terrorism Technical Support Office (CTTSO) and the Technical Support Working Group (TSWG) are influencing the development of situational awareness and surveillance technology and its role in the federal government.

The Department of Homeland Security uses situational awareness technology to provide intelligence and protection to the United States in areas of counter-terrorism, border security, immigration and disaster response and recovery. The Department of State directs the United States' involvement in international policy, diplomatic protection, counter-terrorism, and political and military affairs.

CTTSO and TSWG are standalone inter-service, inter-agency and international working groups that conduct R&D programs for combating terrorism. CTTSO and TSWG are overseen by US Department of State (DOS), operated as a "program office" under the Assistant Secretary of Defense (ASD).



Qtags, LLC

GuestAssist

2620 Fountain View, Suite 308
Houston, TX 77057
Phone: **(877) 667 2633**
Fax: **(425) 669 2633**
E-mail: **Info@guestassist.net**
Web: **www.guestassist.net**

V.C.O.R.E. Solutions, LLC

VCORE
SOLUTIONS LLC

510 Grumman Rd. West, Suite 212
Bethpage, New York 11714
Phone: **(516) 513 0030**
Fax: **(516) 513 0027**
E-mail: **Info@vcoresolutions.com**
Web: **www.vcoresolutions.com**

Patton Electronics Co.

PATTON

7622 Rickenbacker Drive
Gaithersburg, Maryland 20879
Phone: **(301) 975 1000**
Fax: **(301) 869 9293**
E-mail: **sales@patton.com**
Web: **www.patton.com**