

# Datacasting Expands Emergency Communications for Public Safety Agencies to Support the 2022 Washington, DC July 4<sup>th</sup> Celebrations



## CASE STUDY SUMMARY

The July 4<sup>th</sup> celebrations in Washington, D.C. are magnificent, drawing hundreds of thousands of people into the city. Safety and security are a top priority for District and Federal agencies.

To strengthen emergency communications and inter-agency sharing, **SpectraRep's® IncidentOne™ datacasting solution was deployed and used by D.C. Homeland Security and Emergency Management and six other federal and local public safety agencies during the celebrations on July 4, 2022.** The datacasting solution utilized NextGen TV digital broadcast spectrum from the WIAV tower in Northwest DC.



### OBJECTIVES

- Overlay a new secure wireless network to share situational camera video from the National Mall to specifically targeted agencies and authorized users.
- Support secure inter-agency sharing of video, messages, and files.
- Demonstrate datacasting as a communications tool to support PACE plan (Primary, Alternate, Contingency, Emergency) initiatives.



### SOLUTIONS

- SpectraRep deployed datacasting receivers with IncidentOne software in multiple public safety agency facilities and vehicles.
- SpectraRep's service and receivers provided secure and reliable access to video, messages, and files without an Internet connection.
- SpectraRep's mobile phone video application provided access to handheld video sourced from agency personnel in the field to operations centers.



### OUTCOME

- **Multiple agencies successfully shared and received encrypted video using SpectraRep's browser based IncidentOne dashboard without reliance on broadband or other communications systems.**
- **Select agencies transmitted secure alert messages that also included attached files.**
- **SpectraRep's datacasting solution reached command staff and decision makers across agencies without requiring access to or interconnection between individual agency secure networks.**

Our mission is to **deliver reliable, targetable, and secure communications**, including data-heavy streaming video, to **emergency responders** *when and wherever they need it* without any congested capacity constraints.

Mark O'Brien, SpectraRep President

## DATACASTING DEFINED

Addressing the shortcomings of today's public safety communication networks, SpectraRep's datacasting technology converts a portion of existing powerful TV broadcast signals into a one-way, one-to-many reliable, secure wireless network.

Datacasting is a mature communications technology that uses dedicated, licensed, digital television spectrum and capacity to deliver secure, encrypted, and targeted digital assets simultaneously across a large geographic area.

Secure content can include live video streams (e.g., situational cameras, camera management system outputs, traffic, etc.), image files (e.g., photos, floorplans, maps, GIS overlays, etc.), documents, and alerts. Each asset can be securely targeted to individual receivers or groups of receivers. Targeting is managed by the owner of that content, so they can share without giving up control.

### SpectraRep Solutions Improving Public Safety Communications

Datacasting Technology Sends Data Quickly, Safely & Securely



SpectraRep's datacasting technology has been used by public safety entities for over two decades and has recently been enhanced by offering NextGen TV / ATSC 3.0 transmission - improving reception, capacity, mobility, and performance.

## SPECTRAREP SOLUTIONS

Public safety agencies, personnel, and managers use SpectraRep's IncidentOne™ service and solution to send and receive video, notifications, and alerts *quickly, safely, and securely*.

A content management dashboard is used to manage the encrypted content and allows asset owner control over who can receive content. Recipients can securely use or share data with fellow public safety colleagues and even other agencies or emergency responder units.

Built to support different operational scenarios, SpectraRep's services have recently expanded to offer optimized solutions to provide:

- ✓ **Mobile Video Publisher** allows cell phones and tablet users to stream live video and audio from the field back to management and operations centers.
- ✓ **Dashboard Manager & Viewer** allows management and operations centers to view video, send targeted streams to datacasting receivers, and generate alerts with attachments targeted to datacasting receivers using a web-based Dashboard.
- ✓ **Dashboard Video Viewer** allows authorized users to monitor a dynamic set of video/audio streams in an online web-based Dashboard, including content sourced by Mobile Video Publishers, drone/helicopter video feeds, camera management system outputs, and other sources.

SpectraRep is working with law enforcement, emergency managers, school systems and states around the country to implement powerful solutions for public safety.

Contact us to discuss the right service for your local emergency management and PACE requirements: [info@spectrarep.com](mailto:info@spectrarep.com).