Detroit Claims Super Bowl Victory with MOTOMESH

Multi-Radio Mobile Broadband System Provides Video Surveillance and Wireless Network Access for Super Bowl XL Security

MOTOROLA

"With the stadium in the heart of downtown Detroit, we needed a solution that would boost officials' situational awareness at entrances and exits to the grounds. Motorola's solution allowed our officers to monitor a large area and population right from their laptops, while remaining in their dispatched areas."

– Derrick Miller, Chief Information Officer for the City of Detroit

While the players took risks between goal lines, the City of Detroit took no chance with the safety and security of attending Super Bowl XL fans. The city turned to Motorola to extend its watch over public safety. Motorola's expertise ensured Detroit police had real-time access to the pre-emptive intelligence necessary to keep the Super Bowl safe. Motorola's MOTOMESH multi-radio mobile broadband system delivered seamless video connectivity over a secure, 4.9GHz wireless network to law enforcement personnel and vehicles around the perimeter of Ford Field.

Intelligence You Control

MOTOMESH technology puts intelligent video surveillance and control firmly in the hands of Detroit police. Officers could pan and zoom while viewing live, streaming video at mobile command posts on rugged, Motorola ML900 laptop computers. The MOTOMESH network enabled full access to criminal databases, remote digital reporting, multimedia e-mails, and other applications wirelessly, and at broadband speeds.

Reliability When You Need it Most

Detroit police relied on Motorola's complete, end-to-end, wireless broadband solution for mission-critical communications. Originally developed for battlefield communications, the MOTOMESH network provided a survivable and scalable solution that enhanced the city's ability to detect, prevent and respond.

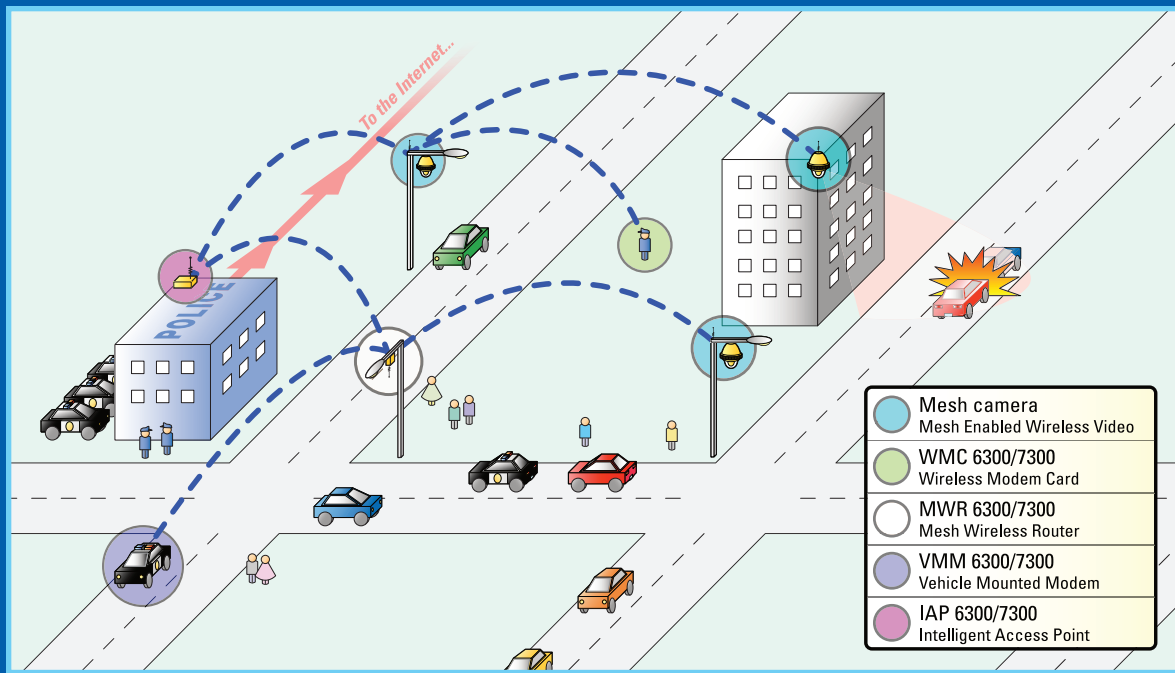### A Reputation You Can Trust

When the City of Detroit turned to Motorola to provide secure, mission critical systems for the public safety of over 65,000 attendees, a perfect relationship resulted. Motorola's technological innovation and expertise provided a simple and seamless solution that allowed law enforcement personnel to increase their presence and improve response capabilities.

Over 65 Years of Understanding the Needs of Public Safety

In today's world, you need a solutions provider that understands what Mission Critical is all about: the lives and well-being of your employees and the citizens they protect. That's why Motorola is a leading provider of interoperable communication systems for public safety, first responders and government agencies. Our experience, along with our skills, people, partnerships and alliances, allow us to build innovative, fully integrated technologies that let organizations like yours share vital information with ease and confidence. We've been doing it for 65 years, and we'll be standing by our customers for years to come.

We are committed to bringing all of our knowledge and technical expertise together, so you can focus on what you do best... to serve and protect the public.

Motorola's MOTOMESH is a multi-radio, mobile broadband solution, designed to improve situational awareness and incident response. Deployment is easy and cost-effective – providing true network security which supports connectivity to-and-from mobile users.

MOTOMESH Multi-Radio Mobile Broadband Components

WMC 6300/7300 • Wireless Modem Card

By simply inserting the Wireless Modem Card (WMC), 6 Mbps burst data rates for streaming audio and video, fast and accurate position location, and voice services can be added to devices with a PCMCIA card slot. Motorola's Mesh Enabled Architecture (MEA) technology enables the WMC to act as a wireless router/repeater in a MOTOMESH mobile broadband network, increasing network robustness and coverage at no additional cost. Users can instantly form Multi-Hopping, ad hoc, peer-to-peer, broadband networks with or without predeployed network infrastructure.

MWR 6300/7300 • Mesh Wireless Router

By allowing data and video to hop through one or more Mesh Wireless Router (MWR), MOTOMESH enables robust, non-line-of-sight communications between users and the network. Mesh Wireless Routers also act as reference points for position location of users and vehicles within the MOTOMESH network. The MWR requires only a power connection to operate, as data is transmitted 100% wirelessly between nodes. Direct network connectivity can also be provided to collocated IP devices, like video cameras or sensors, via two, built-in, Ethernet ports.

IAP 6300/7300 • Intelligent Access Point

The Intelligent Access Point (IAP) acts as the transition point from the wireless network to the wired world. Each IAP offers broadband speeds for voice, video and data communications. If greater network capacity is required, additional IAPs can be easily deployed – without the need for extensive RF or site planning. The location of IAPs is not critical due to the self-forming, self-healing and self-balancing nature of the MOTOMESH network.

VMM 6300/7300 • Vehicle Mounted Modem

The Vehicle Mounted Modem (VMM) supports up to 6 Mbps burst data rates while moving at speeds in excess of 150 mph. A standard RJ-45 Ethernet port gives Mobile Data Terminals, IP video cameras, and other IP-ready devices access to the MOTOMESH mobile broadband network. Motorola's Mesh Enabled Architecture (MEA) technology enables the VMM to act as a wireless router/repeater, increasing network robustness and coverage at no additional cost.

Mesh Camera Wireless Video System

Integrating Motorola's Mesh Enabled Architecture (MEA) technology directly into Sony's "IPELA" camera has created a solution that is smaller and more cost effective than conventional wireless video systems. Utilizing either licensed 4.9GHz or unlicensed 2.4GHz frequencies, the mesh camera system can be part of a larger MOTOMESH network, or act as a stand alone video solution. Users can wirelessly access high quality video feeds – even while traveling at highway speeds.