

## SYSTEM BENEFITS

- Increased first responder protection and public safety
- 360-degree incident and event surveillance
- Higher level of situational awareness and decision intelligence
- Extendable range and secure transmission
- Quick, easy set up requires no technical expertise
- Self-powered with no dependency on external infrastructure
- Compatible with existing agency surveillance tools (drones, robots, pole cams, throw phones)
- Remotely viewable using cellular backhaul capability
- Force multiplier – personnel normally deployed to monitor and report activity can be deployed elsewhere



### ABOUT AGILEMESH, INC.

AgileMesh™, Inc. develops portable, on-scene wireless video surveillance and data communications systems for use in Law Enforcement, Fire-EMS, Homeland Security and Loss Prevention applications. Each AgileMesh™ solution is powered by their proprietary CommandMesh™ technology which optimizes video signal processing and communications on the Incident Area Network (IAN). AgileMesh™ systems provide incident and event commanders with an enhanced level of public safety management capability, increased officer safety, more accurate incident action records, and greater liability protection. The company, officially launched in 2006, is based in Plano, Texas and serves top public safety agencies in the United States. AgileMesh™ may be contacted at [sales@agilemesh.com](mailto:sales@agilemesh.com) or visit [www.agilemesh.com](http://www.agilemesh.com).

AgileMesh, Inc. | 1825 Summit Ave., Suite 206 | Plano, Texas 75074  
 T 972.231.2122 | F 972.231.2406 | [sales@agilemesh.com](mailto:sales@agilemesh.com) | [www.agilemesh.com](http://www.agilemesh.com)

# CommandMesh™

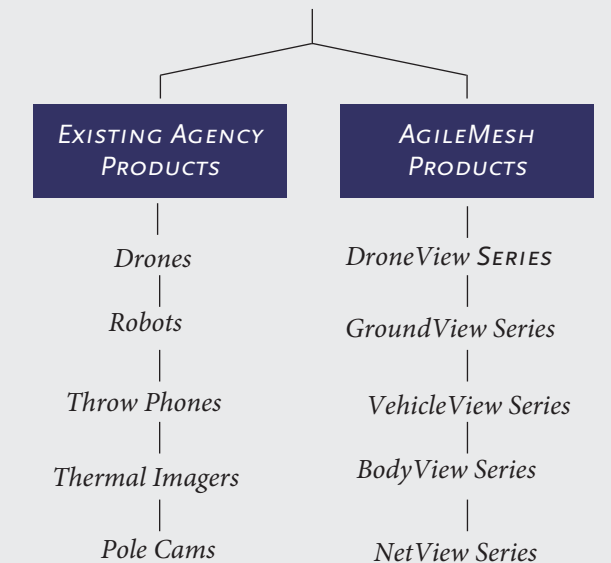
INCIDENT AREA NETWORK FOR DECISION INTELLIGENCE



A SURVEILLANCE SYSTEM POWERED BY COMMANDMESH™ PROVIDES SITUATIONAL AWARENESS TO LAW ENFORCEMENT, FIRE-EMS, HOMELAND SECURITY, VIP PROTECTION, AND OTHERS. FIRST RESPONDERS BENEFIT FROM A 360-DEGREE VIEW OF INCIDENTS SUCH AS:

- Hostage rescues
- Active shooter events
- Investigations
- Fires
- Natural disasters
- Public celebrations
- Political events
- Sporting events

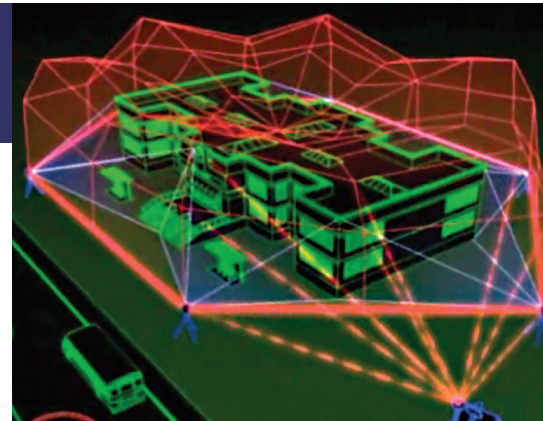
### CREATING A TOTAL INCIDENT INTELLIGENCE ENVIRONMENT POWERED BY CommandMesh™





## WHY COMMANDMESH?

- INTEGRATES ALL SURVEILLANCE DEVICES (LEGACY AND NEW)
  - AUDIO, VIDEO, OR SENSOR
- CREATES UNIFIED COMMAND ENVIRONMENT TO VIEW ALL CAMERA POSITIONS
- ELIMINATES LINE-OF-SIGHT REQUIREMENTS
- INTEROPERATES WITH OTHER COMMANDMESH-EQUIPPED AGENCIES



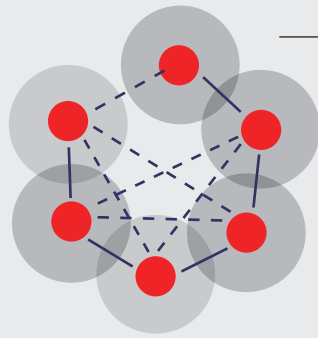
### WHAT IS AN INCIDENT AREA NETWORK?

An Incident Area Network (IAN) is a self-forming, temporary, network infrastructure deployed at an incident or event to support various surveillance and communications among first responders. Large scale disasters highlight the importance of public safety communication networks and the inherent problems when they fail. The ability to coordinate emergency operations is critical. Ideally, IANs are:

- Infrastructure independent (self contained power, no requirement for external connectivity)
- Error-proof configuration, rapidly deployed by non-technical and untrained users
- Self-forming, self-healing, and high bandwidth

### WHAT IS MESH?

Mesh is a network communication technology where each node captures and disseminates its own data and serves as a relay for other nodes. So, all nodes broadcast data in the network in a multi-point to multi-point fashion.



CommandMesh is an on-scene, incident area wireless network for transmitting real-time, tactical intelligence. The result? Improved command decision making, higher level of officer safety, and greater protection of the public. With no technical expertise required for setup, first responders can quickly establish an Incident Area Network (IAN) with multiple observation positions around an emergency incident or public event. Live,

recordable surveillance feeds from those positions provide situational awareness to multiple command locations.

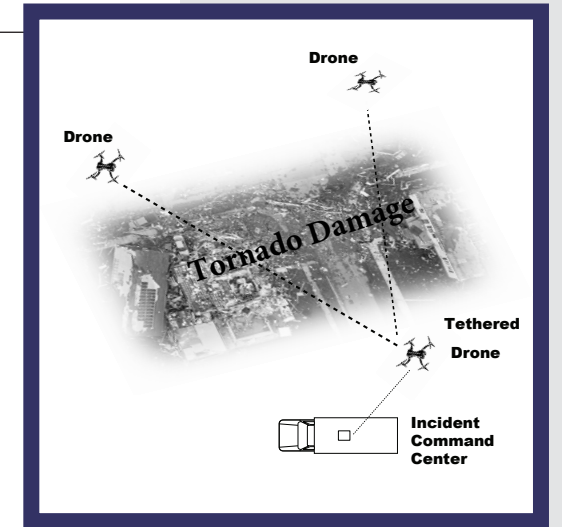
Historically, temporary network configuration and deployment is complex, time consuming, and error prone. The pressing need for continuous technical expertise adds further burden. As a result, deployable networking technology is not widely used for incident management encumbered with stress, chaos, and time constraints.

CommandMesh easily deploys anywhere in a matter of minutes to provide an instant on-scene, wireless network and runs on its own power. What makes CommandMesh unique is its ability to process real-time data from virtually any kind of audio, video, or sensor device and then transmit through multiple communication channels. The resulting system provides a range of “any device” and “any connectivity” options.

## EXAMPLES OF COMMANDMESH IN ACTION

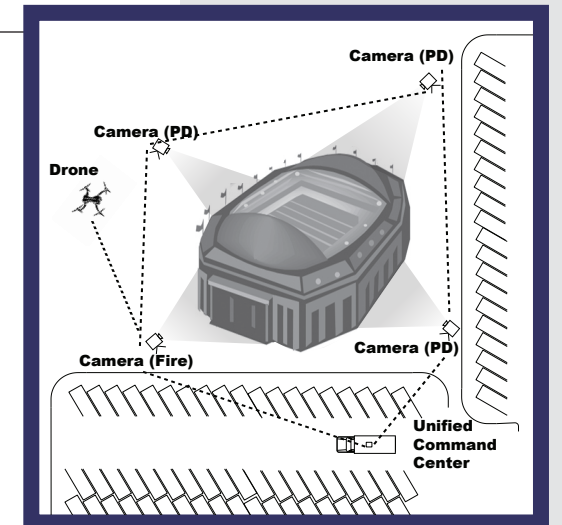
### Emergency Response

An EF4 tornado hits a city and destroys a large part of a residential community. Electrical power and cellular coverage are lost. First responders are dispatched to the area to assess the damage. An incident command center vehicle is deployed. Since all communication infrastructure has been destroyed, the response team sets up an incident area network using CommandMesh nodes. A tethered drone with a CommandMesh node payload serves as the central communications hub. Drones connected to CommandMesh nodes are dispatched to provide “eyes in the sky”. Videos from multiple drones are wirelessly sent through the central hub and are viewed simultaneously in the incident command center providing on-site real-time surveillance. This allows the incident commanders to quickly assess the damage and dispatch medical teams and maintenance teams where needed.



### Special Event Video Coverage

A major sporting event is held at a city's new, domed stadium. Event organizers anticipate crowds in excess of 100,000 and assign Police and Fire Departments shared responsibility for the stadium and its surrounding parking lots. Peak-time crowds prove challenging to a large scale deployment of first responders for crowd surveillance to ensure public safety. Agency leaders decide to deploy a CommandMesh solution featuring AgileMesh Sentinel video nodes and DroneView nodes from the City's PD and Watchtower video nodes from the FD. The CommandMesh-powered cameras easily interoperate after an error-free configuration and produce real-time video feeds for the Unified Command Center. This solution acts as a “force multiplier” allowing public safety agencies to see more of the event using a fraction of the personnel previously required.



### Tactical Deployment

Dispatch sends patrol to an armed carjacking in progress. They initiate pursuit and apprehend several suspects, while two escape to a nearby apartment location. After establishing a perimeter, a SWAT call-out is made. Upon arrival, SWAT rapidly sets up a CommandMesh Incident Area Network using AgileMesh Sentinel tripod-mounted camera nodes and a DroneView Node. This provides command with 360-degree and bird's-eye view live video surveillance of the building and residence where the suspects are barricaded. SWAT relieves patrol officers in the inner perimeter, deploys microphones into the location, and establishes contact. They attempt to contact the suspects without success, insert a throw phone, and prepare for forced entry if needed. The throw phone coupled with the CommandMesh environment makes video available to the negotiators and to the separately located incident command.

