VehicleView Series™

COMMAND VEHICLE KIT–Mobile Surveillance Center

The AgileMesh VehicleView Series COMMAND VEHICLE KIT™ enables a command vehicle to be an on-scene mobile surveillance center. Wireless live video feeds from any CommandMesh™ compliant surveillance equipment are sent to the command vehicle where they are monitored on a single, unified screen. In addition, the vehicle provides backhaul options for monitoring at remote locations. The AgileMesh COMMAND VEHICLE KIT™ is available as an aftermarket add-on and through armored vehicle OEMs.

COMMAND VEHICLE KIT

Remote Control Unit (RCU)

Antennas

RJ-45 Pigtail

Mast Radio

AgileMesh total on-scene, portable surveillance systems enable incident commanders to provide an enhanced level of officer safety, valuable post-incident training tools, incident action evidence gathering and a new level of liability protection. All video transmissions are secure and if one AgileMesh unit is disabled or destroyed other on-scene units continue to operate.

AgileMesh solutions include the proprietary CommandMesh™ platform which optimizes video signal processing and communications.

RCU (Installed)

Optional Camera

An On-Scene Force-Multiplier that's Easy to Deploy, Set-Up and Use with No Special Technology Skills Required

COMMAND VEHICLE KIT

The COMMAND VEHICLE KIT is designed to provide situational awareness for the incident command staff. Video images generated by any CommandMesh™ compliant surveillance equipment at an incident are wirelessly sent to the command vehicle. They are received by the mast radio unit which is connected to the Remote Control Unit (RCU) mounted in the command vehicle. From there they can be viewed on an attached computer.

The RCU controls the communication parameters of the mast mounted radio with the CommandMesh™ patented front panel control technique. The RCU also provides connectivity to the internal vehicle intranet if needed.

KEY FEATURES OF EACH SYSTEM

- Simple error-proof configuration.
- Standalone solution - no network or cell infrastructure required.
- Supports diverse video sources, including existing drones, robot vision systems, throw phones, sniper scopes, pole cameras, and mast cameras.
- Built-in deployment aids further simplify reliable set-up every time.
- Multiple encryption levels ensure highly secure network communications.
- Ruggedized and weatherized for the harshest environments.
- Entirely self-contained/ easily scalable.
- Provides full, real-time concurrent 360 degree incident/event visibility
- Self-powered.
- Remotely viewable using cellular backhaul capability.

RCU SPECIFICATIONS

PROPRIETARY CONTROL PANEL

- Pushbutton Channel selector with LCD indicator
- LCD Indicator for correct node placement
- Pushbutton Node selector with LCD indicator
- Pushbutton control for network router (internal) with LCD indicator for router status

NETWORK INTERFACE

- 10/100 802.3 Ethernet
- RJ-45 connectors (3)
  - MESH
  - MAST RADIO (PoE)
  - LAN

VIDEO INTERFACE

- Dual Composite In (BNC); NTSC/PAL
- HDMI In

POWER INTERFACE

- 110 - 220 VAC, 50,60 Hz
- IEC Connector

COMMAND VEHICLE KIT INCLUDES

- CommandMesh™ mast radio unit
- Rack mountable remote control unit (RCU)
- Omni-directional antennas
- RJ-45 pigtail

MAST RADIO SPECIFICATIONS

MESH PROTOCOL

- "Mesh Rider" Protocol (standards based)
- Self-forming, Self-healing mobile mesh
- Highly reliable network, with redundency

ENCRYPTION

- 256-bit AES
  (12 Mbps max throughput)
  (FIPS140-2, Level 2 compliant)
  128-bit AES hardware data encryption @ full rate

WIRELESS INTERFACE

- Interference resistant COFDM/ MIMO technology
- TX Power: Up to 1 W ERP
- Frequency: 900 MHz, 2.4 GHz ISM
- Contact factory for other Frequency options

NETWORK INTERFACE

- 10/100 802.3 Ethernet (PoE)
- RJ-45 pigtail

POWER INTERFACE

- PoE (from RCU)
- Water-tight connector

ANTENNA CONNECTOR

- RP-TNC (2)