



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™ CONNECTOR™ or CommandMesh™ compliant surveillance equipment are sent to the command vehicle where they are monitored on a single, unified screen. In addition, the COMMAND VEHICLE KIT provides optional cellular and WAN/LAN connectivity for backhauling to remote monitoring locations. COMMAND VEHICLE KITS are available as aftermarket add-ons, and through command vehicle OEMs.



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 software platform which optimizes video signal processing and communications.



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

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COMMAND VEHICLE KIT - Components and Specifications

COMMAND VEHICLE KIT

The COMMAND VEHICLE KIT is designed to provide situational awareness for the incident command staff. Video images generated at multiple camera stations deployed around 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. This connectivity is provided via the Network Bridge option.

KEY FEATURES

- Powered by CommandMesh
- Simple error-proof configuration
- No network or cell infrastructure required
- Allows connectivity to mast camera for inclusion in incident video presentation
- Proprietary Control Panel ensures full interoperability and integration with other agencies
- 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

RCU SPECIFICATIONS

PROPRIETARY CONTROL PANEL

- Channel selector and indicator
- Deployment aid (indicator for correct placement)
- Node identity selector and indicator

VIDEO INTERFACE

- Composite In (BNC); NTSC/PAL
- Simultaneous Dual Encoding
 - MJPEG Encoding;
Resolutions 640 x 480, 320 x 240, 160 x 120: 1 - 30 fps
 - H.264 Encoding;
Resolutions 640 x 480, 320 x 240, 160 x 120: 1- 30 fps
- RJ-45 for IP Cameras

NETWORK INTERFACE

- Internal Ethernet switch
- RJ-45 connectors (3)
- 10/100 802.3 Ethernet

USB INTERFACE

- 2.0 Type A Jack

AUDIO INTERFACE

- Line level or Mic level In
- Headphone level Out

DIGITAL INTERFACE

- Pan-Tilt-Zoom Control: RS-485
- Terminal Block

POWER INTERFACE

- 110 VAC, 60 Hz
- IEC Connector

MAST RADIO SPECIFICATIONS

MESH PROTOCOL

- AgileMesh CommandMesh Protocol (standards based)

ENCRYPTION

- 802.11s standard based key generation
- AES-SAE

WIRELESS INTERFACE

- TX Power: Up to 1W EIRP
- 4.9 GHz spectrum (Optional)
- 5 GHz spectrum:
 - 5.150-5.250 GHz
 - 5.250-5.350 GHz
 - 5.725-5.850 GHz

POWER INTERFACE

- 12VDC input, 1A
- Water-tight connector

ANTENNA CONNECTOR

- N-Female

KIT INCLUDES

- CommandMesh mast radio unit
- Rack mountable remote control unit
- Omni directional antennas
- Adapters

