VehicleView Series™

CAR KIT–Mobile Surveillance Center in the Car

The AgileMesh VehicleView CAR KIT™ enables a car 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 car where they are monitored on a single, unified screen. This is ideal for major crimes, disasters and multiagency incidents where there is a need for live surveillance of an area. The optional cellular backhaul also enables remote monitoring as needed.

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

CAR KIT

The AgileMesh VehicleView CAR KIT enables a car to be an on-scene mobile surveillance center.

KEY FEATURES OF EACH SYSTEM

- Simple error-proof configuration
- Standalone solution - no network or cell infrastructure required
- Supports diverse video sources, including existing robot vision systems, throw phones, sniper scopes, pole cameras, eyeballs, and mast cameras
- Proprietary node Control Panel design 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
- Provides full, real-time incident/event visibility
- Self-powered

CAMERA

- 12VDC Bullet camera

PROPRIETARY CONTROL PANEL

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

MESH PROTOCOL

- AgileMesh CommandMesh Protocol (IEEE 802.11S 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

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

AUDIO INTERFACE

- Line level or Mic level In
- Headphone level Out

DIGITAL INTERFACE

- Pan-Tilt-Zoom Control: RS-485
- Alarm input (Hi=12vdc)
- Relay contact output (NO)

POWER INTERFACE

12 VDC (1 amp)

INTERFACE CONECTORS

Network

- RJ-45 connector
- 10/100 802.3 Ethernet

USB

- 2.0 Type A Jack

Power Input

- Threaded 2.5mm Jack

Camera Power Input

- Threaded 2.1 mm Jack

Video Input

- BNC
- RJ-45 for IP Cameras

Audio

- 3.5mm jacks (In/Out)

Antenna

- RP-SMA

Digital

- Terminal Block

KIT INCLUDES

- CommandMesh enabled video node
- Cables
- Power adapters
- Antennas
- Magnetic mount antenna base
- Antenna adapters
- Color bullet camera
- Pelican case with custom foam cutouts

AgileMesh™