VehicleView Series™

ARMORED VEHICLE KIT–Mobile Surveillance Center

The AgileMesh VehicleView Series ARMORED VEHICLE KIT™ enables an armored 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 armored vehicle where they are monitored on a single, unified screen. In addition, the vehicle provides backhaul options for remote monitoring at authorized command locations. AgileMesh ARMORED VEHICLE KITS are available as aftermarket add-ons, and through armored 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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KEY FEATURES

- 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 concurrent 360 degree incident/event visibility
- Self-powered.

PROPRIETARY CONTROL PANEL

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

MESH PROTOCOL

- AgileMesh™ CommandMesh Protocol (standards based)

ENCRYPTION

- 802.11s standard based key generation
- AES-SIV

WIRELESS INTERFACE

- TX Power: Up to 1W EIRP
- 2.4 GHz spectrum: 2.410-2.497 GHz
- 4.9 GHZ spectrum (Public Safety only)
- 5 GHz spectrum:
  o 5.150-5.250 GHz
  o 5.250-5.350 GHz
  o 5.725-5.850 GHz
- 900 MHz ISM (optional)

VIDEO INTERFACE

- Composite In (BNC); NTSC/PAL
- Simultaneous Dual Encoding
  o MJPEG Encoding; Resolutions 640 x 480, 320 x 240, 160 x 120: 1 - 30 fps
  o 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 In/Out

DIGITAL INTERFACE

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

POWER INTERFACE

- 12 VDC (1 amp)

INTERFACE Connectors

Network

- RJ-45 connector
- 10/100 802.3 Ethernet

USB

- 2.0 Type A Jack

Video Input

- BNC
- RJ-45 for IP Cameras

Antenna

- RP-TNC

Power Input

- 4-pin pigtail (supplied)

CAMERA OPTIONS

- Hardened PTZ w/IR
  o 48" cable w/mil-spec connector
  o 26X Optical zoom
  o Image Stabilization
  o 1.0 LUX (0 lux w/IR)

- Environmentally Hardened PTZ
  o 48" cable w/mil-spec connector
  o 25X Optical zoom
  o Nitrogen filled
  o -20 - +70 degrees C
  o .02 lux

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

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