GroundView Series™

SENTINEL – Portable, Easily Deployed, Surveillance

The AgileMesh GroundView Series SENTINEL™ is a portable, wireless, surveillance solution deployment unit (CDU), one or two ruggedized that features a specially designed camera PTZ surveillance cameras, a CommandMesh™ compliant wireless networking node, an antenna mounting assembly, two antennas and a carrying case.

The SENTINEL is ideal for establishing live, streaming surveillance on all four sides of a major incident where SWAT, hostage negotiators, Intervention specialists or other special tactical units are deployed.

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.

OTHER OPTIONS AVAILABLE

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

SENTINEL

The SENTINEL includes a specially designed camera deployment unit (CDU), one or two ruggedized PTZ surveillance cameras, a CommandMesh Tactical Video Node, an antenna mounting assembly, antenna and a carrying case.

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 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
- Provides full, real-time concurrent 360 degree incident/event visibility
- Self-powered

CAMERA DEPLOYMENT UNITS (CDUs)

- Heavy Duty for Tactical Outdoor Use
- Telescoping extendable legs (3 stages)
- Hard-side carrying case
- Quick-disconnect camera mount

ANTENNA ASSEMBLY

- Includes 5.X GHz antenna
- Quick-connect to CDU mount
- 48" LMR-400U cable w/RP-TNC plug connector

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-SAE

WIRELESS INTERFACE

- TX Power: Up to 1W EIRP
- 4.9 GHZ spectrum (Public Safety) optional
- 5 GHz spectrum:
    - 5.150-5.250 GHz
    - 5.725-5.850 GHz

NETWORK INTERFACE

- RJ-45 connector
- 10/100 802.3 Ethernet

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
- Pelco-D protocol

CAMERA OPTIONS

Hardened PTZ w/IR

- 48" cable w/mil-spec connector
- 20X Optical zoom
- Image Stabilization
- 360 degree continuous pan
- 15 degree down tilt
- 1.0 LUX (0 lux w/IR)

Environmentally Hardened PTZ

- 48" cable w/mil-spec connector
- 30X Optical zoom
- Nitrogen filled
- 360 degree continuous pan
- 360 degree continuous tilt
- -20 - +70 degrees C
- 02 lux

POWER OPTIONS

- Internal 12VDC battery
- 110/220 VAC, 50/60 Hz
- External 12VDC input
- Integrated battery charger
- Cigarette lighter & alligator clip adapters

KIT INCLUDES

- PTZ camera(s)
- CommandMesh enabled video node
- CDU
- Antenna Mount with Cable
- Antenna
- Built-in battery and charger
- Hard carrying case