



GroundView™ Series

SENTINEL – Portable, Easily Deployed, Surveillance

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

Each AgileMesh solution includes its proprietary CommandMesh™ software platform which optimizes video signal processing and communications.



CHOICE OF DIFFERENT CAMERA HEADS
***Easy to Deploy, Set-Up and Use with No Special
Wireless, Software or Technology Skills Required.***

SENTINEL - Components and Specifications

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, two antennas 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.
- The 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
- Innovative design for inverting cameras
- Quick-disconnect camera mount

ANTENNA ASSEMBLY

- Includes 2.4 and 5.X GHz antennas
- 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-SIV

WIRELESS INTERFACE

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

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 In/Out

DIGITAL INTERFACE

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

CAMERA OPTIONS

- Hardened PTZ w/IR
 - 48" cable w/mil-spec connector
 - 20X Optical zoom
 - 32 X Digital zoom
 - Image Stabilization
 - 1.0 LUX (0 lux w/IR)
- Environmentally Hardened PTZ
 - 48" cable w/mil-spec connector
 - 25X Optical zoom
 - Nitrogen filled
 - -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

