PORTABLE SURVEILLANCE SYSTEMS

Our Portable Surveillance Systems are designed for rapid deployment. Using the latest in wireless mesh networking technologies, these systems enable emergency response squads, SWAT units, Hazmat teams, VIP protection details and event operators to acquire 360-degree visibility of their areas of interest. And they are able to do so securely, requiring no expertise in complex networking concepts or terminology.

AgileMesh
agilemesh.com

System Components

Fully integrated to ensure ease of deployment in the most rigorous of situations and environments, AgileMesh's rapidly deployable wireless video surveillance systems provide 360-degree visibility into any incident or event.

Each system is configured with four basic components: one or more camera deployment units (CDU's), two or more wireless networking nodes, one antenna mounting assembly for each CDU, and a base station with video viewing and management software.

Features

- Simple error-proof configuration.
- Supports diverse video sources, Including your existing robot vision systems, throw phones, sniper scopes, pole cameras, Remington Eyeballs®, and mast cameras.
- The proprietary node control panel design ensures full interoperability and integration with other agencies.
- Built-in deployment aids further simplify reliable deployments every time.
- Multiple encryption levels ensure highly secure network communications.
- Ruggedized and weatherized for the most demanding environments.
- Entirely self-contained and easily scalable.
- Provides commanders with full, real-time, concurrent visibility from all tactical vantage points.
- Self-powered for deployments anywhere.

Base Station

Viewing/Video Management Software
- Windows 2000, XP or Vista
- Camera PTZ controls
- Recording/playback option
- Multiplex up to 16 video streams
- Control resolution & frame rate

Network Interface
- AV1500/AV1510/AV1520 wireless network nodes (4.9 GHz public safety versions available)
- External 12 VDC input

Camera Deployment Units (CDU's)
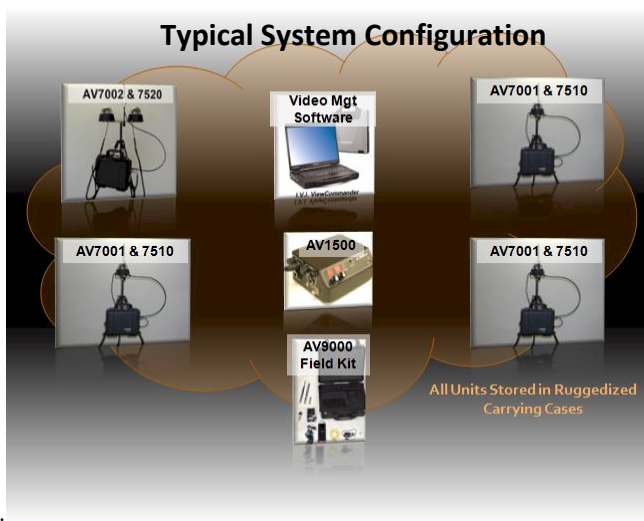
Available models
- AV7001 (Single Dome Camera)
- AV7002 (Dual Dome Cameras)
- AV7003 (Single Hardened Camera)
- AV7004 (Dual – NIR and Thermal – Cameras)
- AV7005 (Dual - Environmentally Hardened)

Primary components
- Heavy duty tripod specially designed for dozens of deployment configurations
- Special camera mount designed for rapid connections/disconnections and inverting camera(s) elevated viewing
- Rugged transport and storage cases

Dome Cameras
- Full Pan-Tilt-Zoom capable
- Hardened armor domes
- 48" cable with mil-spec connector

Typical System Configuration

- AV7002 & 7520
- Video Mgt Software
- AV7001 & 7510
- AV7001 & 7510
- AV1500
- AV7001 & 7510
- AV9000 Field Kit
- All Units Stored in Ruggedized Carrying Cases

- 0.1 Lux color/0.02 Lux black & white
- 23X optical zoom

Hardened Cameras
- Environmentally hardened
- Full Pan-Tilt-Zoom capable
- Image stabilization
- 0.02 Lux NIR mode
- 26X optical zoom/12X digital zoom
- 48" cable with mil-spec connector
- Aluminum housing
- Temperature range: -20° to +70° C

Wireless Network Nodes

Available models
- AV7500 (relay unit)
- AV7510 (single video input)
- AV7520 (dual video inputs)
- AV7500-PS (relay with 4.9 GHz)
- AV7510-PS (single video with 4.9 GHz)
- AV7520-PS (dual video with 4.9 GHz)

Proprietary Control Panel
- Virtual channel selection
- Placement aid (neighbors indicator)
- Display on/off switch

Mesh protocol
- Firetide AutoMesh™ Protocol

Encryption
- 40 bit, 104 bit WEP keys
- 128 bit, 256 bit AES keys

Wireless Interface
(Subject to country-specific regulations)
- TX Power: Up to 1W EIRP
- 2.4 GHz spectrum:
  2.400-2.497 GHz
- 4.9 GHz spectrum (PS models only)
- 5 GHz spectrum:
  5.150-5.250 GHz
  5.250-5.350 GHz
  5.725-5.850 GHz
- Class of Service Traffic Prioritization

Network Interface
- RJ-45 connector
- 10/100 802.3 Ethernet

Power Options
- Internal 12 VDC battery
- 110 VAC
- External 12 VDC input
- Integrated battery charger
- Cigarette lighter & alligator clip adapters

Video Support
- Single or dual analog inputs
- Integrated video encoder(s)

Antenna Assembly
- Includes 2.4, 4.9 or 5 GHz antenna
- Quick-connect to CDU mount
- 48" LMR-400U cable w/ RP-TNC plug connector