

Our WatchTower Portable Surveillance Units are designed for rapid and highly stable outdoor deployment. Using the latest in wireless mesh networking technologies, these units enable ERTs, SWAT units, HazMat teams, VIP protection details and event operators to acquire 360-degree visibility of their areas of interest... securely, and requiring no expertise in complex networking concepts or terminology.



Tower 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 WatchTower includes a specially designed camera deployment unit (CDU), one or two ruggedized PTZ surveillance cameras, a wireless networking node, an antenna mounting assembly, two antennas and a carrying case.

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.

Camera Deployment Units

Features

- Heavy Duty for tactical outdoor use
- Will not tip over in high winds
- Includes guy-line rigging and stakes for extra stability
- Tripod accessory bag
- Telescoping extendable legs
- Hard-Side camera carrying case
- Mast extends to 20'
- Accommodates single or dual camera mounts

WatchTowers

Available models

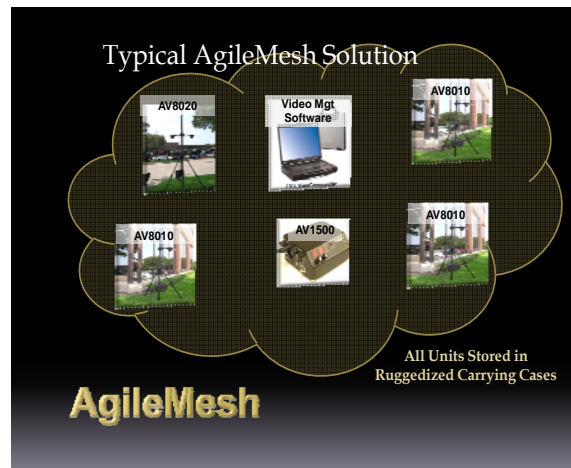
- I - AV8010 (Single Dome Camera)
- II - AV8020 (Dual Dome Cameras)
- III - AV8030 (Single Hardened Camera)
- IV - AV8040 (Dual Hardened Cameras)
- V - AV8050 (Dual - NIR and Thermal – Cameras)

Primary components

- Wireless network node
- Antenna assembly
- Heavy duty camera deployment units specially designed for stability and 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
- 96" cable with mil-spec connector



- 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
- 96" cable with mil-spec connectors
- 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

- Channel selection
- Placement aid (neighbors indicator)
- Node identity selector

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, 60 Hz
- 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 and 5 GHz antennas
- Quick-connect to CDU mount
- 20' LMR-400U cable w/ RP-TNC plug connector

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