

# WEARABLE WIRELESS VIDEO UNITS



Our Wearable Wireless Video Units are designed to extend the reach of AgileMesh portable video surveillance systems. Using the latest in wireless networking technologies, these systems enable emergency response squads, SWAT units, Hazmat teams, VIP protection details and event operators to acquire 360-degree visibility into their areas of interest. And they are able to do so securely, requiring no expertise in complex networking concepts or terminology.



## The Wearable Units

Designed for full interoperability with any AgileMesh wireless network system, the AV1200-Series wearable units support virtually any analog or IP video camera. While the AgileMesh Portable Wireless Video Surveillance Systems provide 360-degree visibility from around an incident, the AV1200-Series wearable units enable forces to capture and share an inside or covert perspective of the area of interest.

Each AV1200-Series unit is bundled with AgileMesh's proprietary Virtual Control Panel software for configuring the unit to operate seamlessly with other AgileMesh wireless network nodes. The AV1200's can be purchased either as standalone units or as part of a convenient deployment-ready kit.

## Features

- Simple error-proof configuration.
- The proprietary Virtual Control Panel software ensures full interoperability and integration with other agencies.
- Multiple encryption levels ensure highly secure network communications.
- Ruggedized and weatherized for the most demanding environments.
- Provides commanders and off-site resources with full, real-time visibility over secure internet connections.
- Self-powered for deployments anywhere.
- Can be worn with the included Molle pouch or deployed covertly where space is an issue.



Back View

## Wearable Network Nodes

### Available models

- AV1200 (relay unit)
- AV1210 (single video input)
- AV1200-PS (relay with 4.9 GHz)
- AV1210-PS (single video with 4.9 GHz)

### Proprietary Control Panel Software

- Virtual Channel selection
- Virtual 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 (2)
- 10/100 802.3 Ethernet

### Power Options

- Battery 12 VDC 4 Amp-Hour
- External 12 VDC input
- External battery charger

### Antennas

- 2.4/5.X GHz Omni multi-polar bullet antenna
- 4.9GHz Omni multi-polar bullet antenna (PS models only)
- 2.4/5.x GHz Omni paddle antenna (PS models only)

### Video Interface (AV1210 and AV1210-PS only)

- Composite Out (BNC/RCA); NTSC/PAL; MJPEG encoding; Resolutions 640 x 480, 320 x 240, 160 x 120; 1 to 30 fps
- Pan-Tilt-Zoom Control: RS-485; Multiple protocols

## Wearable Node Kits

### Available models

- AV4200 (relay unit)
- AV4210 (single video input)
- AV4200-PS (relay with 4.9 GHz)
- AV4210-PS (single video with 4.9 GHz)

### AV1200-Series Wearable Network Node

- See specifications for Wearable Network Nodes

### Other AV4200-Series Kit Contents

- Antennas: 2.4/5.X GHz paddle, 2.4 GHz rubber duck, and 4.9 GHz multi-polar bullet
- Camera: B&W pinhole camera
- Color bullet camera
- Video adapter
- Extra 12 VDC 4 Amp-Hour battery
- Pelican case w/ custom foam cutouts



Front View

1130 E. Arapaho, Suite 565  
Richardson, TX 75081  
Phone: +1 972-231-2122  
Fax: +1 972-231-2406  
Email: info@agilemesh.com

 **AgileMesh**  
[www.agilemesh.com](http://www.agilemesh.com)