BODYView Series™

WEARABLE - Live, First-Person-View Surveillance

The AgileMesh BodyView Series WEARABLE™ surveillance solutions are designed for easy mounting to tactical apparel and helmets. WEARABLES operate together with any CommandMesh™ compliant equipment or other devices integrated with a CommandMesh Connector. WEARABLES may be purchased as standalone units or as part of a convenient deployment-ready kit.

Incident commanders can view entry points, hallways, obstacles, threats and everything their team members see as it is happening. WEARABLE solutions are lightweight, and do not obstruct access to an officer's handgun, Taser™, baton, OC, radio or handcuffs.

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.

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

WEARABLES

Designed for full interoperability with any CommandMesh compliant wireless network system, the BodyView Series WEARABLE units support virtually any analog or IP video camera. While other AgileMesh products provide a 360 degree view of an incident or event, the BodyView Series products enable entry teams to provide a first-person view of what they are seeing to incident commanders.

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 commanders on-site real-time visibility and off-site officials full visibility over secure internet connections
- Self-powered
- Can be worn with the included pouch or deployed covertly in minimal space

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
- 2.4 GHz spectrum: 2.410-2.497 GHz
- 4.9 GHZ spectrum (Public Safety only)
- 5 GHz spectrum:
  - o 5.150-5.250 GHz
  - o 5.250-5.350 GHz
  - o 5.725-5.850 GHz
- 900 MHz ISM (optional)

VIDEO INTERFACE

- Composite In (BNC); NTSC/PAL
- Simultaneous Dual Encoding
  - o MJPEG Encoding; Resolutions 640 x 480, 320 x 240, 160 x 120: 1 - 30 fps
  - o 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)

POWER INTERFACE

- 12 VDC (1 amp)

PHYSICAL

- Weight – 2 lbs. inc. battery
- Dimensions – 5.7" (14.4cm) x 4.0" (10.2cm) x 1.7" (4.3cm)

INTERFACE CONECTORS

Network

- RJ-45 connector
- 10/100 802.3 Ethernet

USB

- 2.0 Type A Jack

Power Input

- Threaded 2.5mm Jack

Camera Power Input

- Threaded 2.1 mm Jack

Video Input

- BNC
- RJ-45 for IP Cameras

Audio

- 3.5mm jacks (In/Out)

Antenna

- RP-SMA

Digital

- Terminal Block

KIT INCLUDES

- Wearable CommandMesh Node
- Antennas: 5.X GHz Paddle; 2.4 GHz Rubber Duck
- Color Bullet Camera
- Microphone
- Head wearable camera mount
- Video Adapters
- 12VDC 3 AH LiFePO$_4$ Battery packs (2)
- Battery charger
- Pelican Case w/Custom Foam Cutouts