AgileMesh™

GroundView Series™

WATCHTOWER - Above-the-Crowd Surveillance

The AgileMesh GroundView Series WATCHTOWER™ can be extended up to 20 feet high for an above-the-crowd view. It includes a specially designed camera deployment unit (CDU), one or two ruggedized PTZ surveillance cameras, a CommandMesh™ compliant wireless networking node, an antenna mounting assembly, two antennas and a carrying case.

The WATCHTOWER is ideal for surveillance of crowds, special events, over a fence into second floor windows or doors and for covering a wide area.

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.

POWERED BY COMMAND MESH

Extends Vertically Up to 20 Feet

Optional Dual Camera Version Shown. Comes Standard with Single Camera.

2 MP IP

C H O I C E   O F   3   D I F F E R E N T   C A M E R A   H E A D S

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

WATCHTOWER

The WATCHTOWER includes a specially designed camera deployment unit (CDU), one or two ruggedized PTZ surveillance cameras, a CommandMesh Tactical Video Node, an antenna mounting assembly, antenna 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
- Proprietary node Control Panel design 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
- Will not tip over in high winds
- Includes staking kit for extra stability
- Hard-side camera and node carrying case
- Tripod accessory bag
- Mast extends to 20'
- Accommodates single or dual cameras

ANTENNA ASSEMBLY

- Includes 5.X GHz antenna
- Quick-connect to CDU mount
- 20' 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 (IEEE 802.11s - standards based)

ENCRYPTION

- 802.11s standard based key generation
- AES-SAE

WIRELESS INTERFACE

- TX Power: Up to 1W EIRP
- 4.9 GHZ spectrum (Optional)
- 5 GHz spectrum:
  - 5.150-5.250 GHz
  - 5.250-5.350 GHz
  - 5.725-5.850 GHz

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 (OPTIONAL)

- Line level or Mic level in
- Headphone level output

LTE MODEM (OPTIONAL)

- Customer service plan required
- TX and diversity antennas

CAMERA OPTIONS

- Hardened PTZ w/IR
  - 20' cable w/mil-spec connector
  - 30X Optical zoom
  - Image Stabilization
  - 1.0 LUX (0 lux w/IR)

- Hardened 2 MegaPixel IP w/IR
  - 20'cable w/mil-spec connector
  - 20X Optical zoom
  - 10 X Digital zoom
  - Image Stabilization
  - 1.0 LUX (0 lux w/IR)

- Environmentally Hardened PTZ
  - 20' cable w/mil-spec connector
  - 30X 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

KIT INCLUDES

- PTZ camera(s)
- CommandMesh enabled video node
- 6 meter mast
- Antenna
- Canvas mast bag
- Camera/accessories carrying case