

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
CommandMesh



*CHOICE OF DIFFERENT CAMERA HEADS
Easy to Deploy, Set-Up and Use with No
Special Wireless, Software, or Technology
Skills Required*

WATCHTOWER – Components and Specifications

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, antennas 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 drones, robot vision systems, throw phones, sniper scopes, pole cameras, and mast cameras.
- 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.
- Remotely viewable using cellular backhaul capability.

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 900 Mhz, 2.4 GHz antennas
- Quick-connect to CDU mount
- 20' LMR-400U cables w/RP-TNC plug connector

PROPRIETARY CONTROL PANEL

- Pushbutton Channel selector with LCD indicator
- LCD Indicator for correct node placement
- Pushbutton Node selector with LCD indicator

MESH PROTOCOL

- "Mesh Rider" Protocol (standards based)
- Self-forming, Self-healing mobile mesh
- Highly reliable network, with redundancy

ENCRYPTION

- 256-bit AES (12 Mbps max throughput) (FIPS140-2, Level 2 compliant) 128-bit AES hardware data encryption @ full rate

WIRELESS INTERFACE

- Interference resistant COFDM/MIMO technology
- TX Power: Up to 1 W ERP
- Frequency: 900 MHz, 2.4 GHz ISM
- Contact factory for other Frequency options

NETWORK INTERFACE

- RJ-45 connector
- 10/100 802.3 Ethernet

LTE MODEM (OPTIONAL)

- Customer service plan required
- TX and diversity antennas

CAMERA OPTIONS

- IP Hardened PTZ w/IR
 - 20 MegaPixel
 - 1080P 60fps/30fps, 720P 60fps
 - 20X Optical Zoom
 - 32X Digital Zoom
 - Image Stabilization
 - Day & Night Capability
 - Weather-proof, IP66 Outdoor Housing
 - 20' cable w/mil-spec connector
- Contact factory for other camera options

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
- Antennas
- Canvas mast bag

