

The SkyCop ® MSU (Mobile Surveillance Unit) is a unique self contained mobile trailer surveillance system specifically designed for remote monitoring of areas where utility and communication services are limited or non-existent. SkyCop ® MSU units can function independently or as a group to provide the user with many tools to make areas safer and secure under 24 hour monitoring and decrease response times to incidents that occur in the area.

Each MSU is complete with its own power plant and communication platforms. Power plants range from simple rechargeable battery systems to units complete with backup generator and solar power functions.

A variety of communication formats such as military grade wireless mesh 802.11, commercial cellular, and satellite connectivity provide the means for communication from a remote MSU unit back to a centralized monitoring location such as Law Enforcement Command Centers, Military Police Stations, Commercial and Private Security Companies, etc.



SkyCop Cadet with Optional LPR and Radar Systems



SkyCop Major with Optional Solar Power and Thermal Camera Systems

The MSU unit(s) incorporates many of today's advanced surveillance and monitoring equipment to provide real time monitoring for security and safety of the area where the unit is deployed. These features include, high resolution fixed position Day / Night CCTV cameras, high resolution Pan / Tilt / Zoom cameras, Infrared Illumination systems, and thermal imaging camera systems.

SkyCop Video Analytics can monitor vehicle and pedestrian traffic, parked vehicles, vehicles traveling in the wrong direction, and loitering of pedestrians as examples. Radar Detection / Display units provide traffic flow and speed information back to the centralized location for traffic control.

Vehicle License Plate Recognition cameras provide vehicle entry registration to facilities, provide automated alert information for vehicles on local and national "hot list", and provide storage of digital images with time / date stamp of both the vehicle and license plate number into a data base for future recall of information.

The electronics incorporated into the MSU unit(s) also allow the addition of other advanced features such as Chemical Detection, Gun Shot Telemetry Recognition, and Thermal Imaging Cameras, and can serve as a Remote Check Point with full video and data communications capabilities. Standard Trailer Features include remote monitoring and alarming of Fuel Gauge, Battery Voltage, Generator Condition (On / Off / Failed to Start). Monitoring is available through the SkyCop Video Management Client Software.

Features:

Skycop MSU – C (Cadet)

Standard Features

- (1) SkyCop Enclosure with Cooling Blower Kit, Heating Kit, Thermostat Kit, Lightning Arrestor Kit
- (1) 4-Channel SkyCop H.264 30-FPS Digital Recorder with 1TB Storage
- (1) 10" Touch screen LCD Monitor
- (1) Cellular EDVO, G3/G4 Ready
- (1) SkyMesh 802.11 Wireless Mesh Transmitter / Receiver with Directional Antennas
- (2) SkyCop PTZ camera assemblies
- (1) Power Inverter with required step-down transformers
- (1) Inverter LCD display / program terminal
- (4) 400 AH AGM type industrial battery
- (1) Gas Generator with fuel tank, gauge and filter
- 4-Panel Aluminum / Steel Trailer Infrastructure System that includes all cabinetry, wiring, electrical disconnects, and voltage protection equipment for all systems
- 18' Hydraulic Camera Mast
- Mobile Trailer Chassis with lights and hitch.
- **Remote Monitoring of Gas Gauge, Battery Voltage, Generator On / Off / Failed to Start. Gauges Displayed on Video Management Client Software. Alarm features for all conditions.**

SkyCop MSU – M (Major)

Standard Features

- (1) SkyCop Enclosure with Cooling Blower Kit, Heating Kit, Thermostat Kit, Lightning Arrestor Kit
- (1) 4-Channel SkyCop H.264 30-FPS Digital Recorder with 1TB Storage
- (1) 10" Touch screen LCD Monitor
- (1) Cellular EDVO, G3/G4 Ready
- (1) SkyMesh 802.11 Wireless Mesh Transmitter / Receiver with Directional Antennas
- (2) SkyCop PTZ camera assemblies
- (1) 800W Solar Array with Frame Assembly
- (1) Power Inverter with required step-down transformers
- (1) Inverter LCD display / program terminal
- (8) 400 AH AGM type industrial battery
- (1) Gas Generator with fuel tank, gauge and filter
- 8-Panel Aluminum / Steel Trailer Infrastructure System that includes all cabinetry, wiring, electrical disconnects, and voltage protection equipment for all systems
- 20' Power Driven Camera Tower
- 7000 Lb Hydraulic, self leveling Trailer Chassis
- **Remote Monitoring of Gas Gauge, Battery Voltage, Generator On / Off / Failed to Start. Gauges Displayed on Video Management Client Software. Alarm features for all conditions.**

Options:

- **Additional PTZ or Fixed Cameras (up to 8)**
- **FLIR Thermal PTZ Cameras**
- **Video Analytic / Smart Video Detection**
- **License Plate Recognition Camera(s)**
- **Radar Speed Control LCD Display**
- **Gunshot Detection**
- **Environmental Monitoring / Chemical Detection**
- **Satellite Communication System**
- **Solar Power Plant with Array (MSU – M only)**



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