
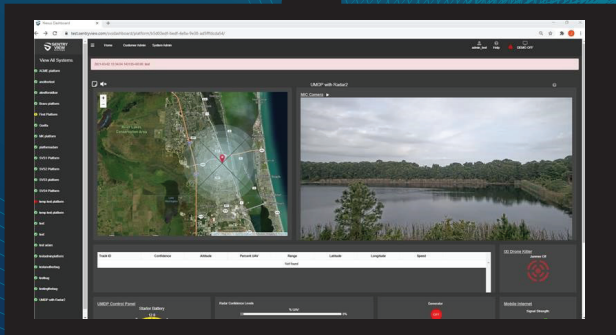
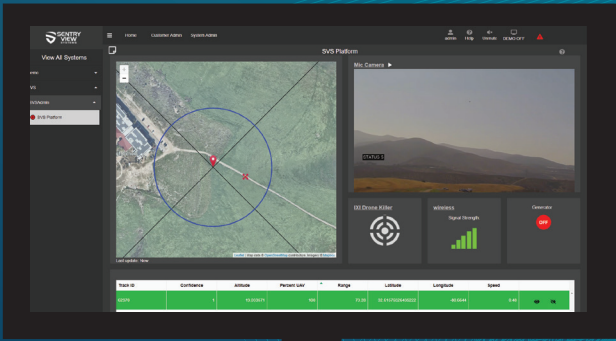


Sentry Mobile UMDP

Urban Mobile Detection Platform

- Powered by  **SENTRY NEXUS**TM
- Scalable, complete solution
- Health status monitoring
- Situational awareness solution
- Solar with battery backup
- Propane generator with auto start capabilities
- Radar
- Passive RF detection
- Directional and Omnidirectional RF jamming capabilities
- PTZ camera
- Sleek design
- Comms options



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ISO 9001-2015/ AS9100D

Sentry Mobile UMDP

Urban Mobile Detection Platform

UMDP General System Specifications

Type	Urban Mobile Detection Platform
Weight	~1300 lbs. w/complete power package
Height	Variable
Solar Power¹	270 Watts 30.8 Volts 8.78 Amps (NMOT)
Generator/Fuel	2500 Watts 120 Volts 20.8 Amps 60 Hz / Liquid Propane
Batteries	12 Volt AGM

RADAR

Radar	Echodyne's EchoGuard® 3D Surveillance Radar
Frequency	24.45 to 24.54 GHz in any 200MHz sector
Field of View	120° azimuth x 80° elevation
Range Vehicles	Aircraft <3.5km, Human <2.2km, sUAS <1km

MITIGATION

Range up to 3000-5000 meters	Frequency and wave form specific jamming
433 MHz, 915 MHz	Integrated with the UMDP and Sentry Nexus Software for remote operating ability
2.4 GHz, 5.2 GHz, 5.8 GHz	
GPS L1/L2	Omni or directional
-20 to 55C operating temperature	Effective against drone swarms

CAMERA

Camera	Bosch MIC IP Starlight 7000i
Imager	1/2.8 type Exmor R CMOS sensor
Lens	30x motorized zoom 12x digital 4.3 mm to 129 mm F1.6 to F4.7
FOV	2.3° to 63.7°
Pan Range	360° Continuous
Tilt Range	50° to +90°

Communications	Options include LTE, point to point, MANET
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