



Mobile Deployment Kit

Outdoor Perimeter and Wide-Area GPS-Based Intrusion Detection on Demand. No infrastructure needed.

The Mobile Deployment Kit (MDK) from SightLogix enables users to set up and deploy reliable, automated, GPS-based intrusion detection quickly and easily, eliminating the delay and high cost of installation and infrastructure.

The MDK comes with a solar powered mobile trailer, backup batteries, and wireless communications all pre-integrated with a SightSensor intelligent camera. The MDK is portable, and can be remotely configured and managed.

Where Infrastructure Elimination is Critical

The Mobile Deployment Kit is ideal for situations where installation infrastructure is either missing, expensive, cannot be installed in time or is needed for short-term use.

- ▣ Areas surrounding forward combat troop base-camps
- ▣ Critical government and commercial property construction sites
- ▣ Unmanned, remote utilities with evidence of pending attacks
- ▣ Crime "hot spots" and high-risk areas targeted by law enforcement, portions of national borders that require random, quick-response monitoring
- ▣ Information and intelligence-gathering locations
- ▣ VIP protection
- ▣ Fire, police and emergency-response venues
- ▣ Concerts, sporting events and other high-visibility entertainment sites

Up and Running in Minutes

One person can transport the trailer to a designated position, raise the sensor mount to the chosen height and turn on the system to begin automated detection.



Behavioral and alarm rules can be preconfigured to minimize setup time. The operator can do this remotely. Default modes are also available, requiring no software setup at all. Multiple stations can be set up just as easily to monitor highly dispersed areas or sites with unusual configurations that require more than one sensor.

The user interface is designed for ease of use and even a non-technical user can be trained to fully deploy and use the system in an hour.

SightSensor: Intelligent Detection with Integrated Analytic Rules

The SightSensor intelligent detection system identifies and tracks every moving target in its line-of-sight detection range, day and night. The SightSensor accurately "profiles" and recognizes an intruder hundreds of meters away, processes the scene data internally and reports the breach and its GPS location automatically according to pre-set security policy.

It displays target locations on a topology map in real time. If a security rule is violated, the SightSensor triggers an alarm to security, law enforcement or military personnel in the form of reliable, real-time decision-making information.

Reliable, Long-Range Detection

The SightSensor detects reliably in extreme outdoor environments, including high wind and hot weather. Built-in electronic stabilization eliminates sensor motion, enabling longer-range detection than possible with other solutions.

Secure, Wireless Communications

The SightSensor performs complete video analysis right at the edge of the network, enabling low-bandwidth

and low-cost wireless transmission. The MDK can be configured to operate over a variety of communication channels including commercial cellular, 802.11x wireless or broadband. The quality of security intelligence does not depend on the communication channel used - something no other system can provide.

The MDK draws little power and works reliably with solar power in practically all locations around the world.

Technical Specifications

Imager and Optics Options	
Thermal (option)	Vanadium Oxide Long-wave thermal imager (8-14 μ m). Un-cooled FPA. Various lens choices available
Visible (option)	1/4 type CCD; Fixed & variable field-of-view options; 0.7 Lux, (F1.4)
Target Detection	
Range	100m, 100m, 200m, 500m+ & custom range. No degradation with camera motion
Tracking	Human and vehicle, continuous tracking
Camera Motion	No false detects even with camera motion
Analytic Modes	
Modes	Multi-Mode Tripwire, Directional Zone Violation, Loitering
Target Attributes	Height, Width, Speed, Direction, AspectRatio
Behavior	Object Left Behind, Missing Object, Wrong Direction
Zone Types	Alarm, Mask, Ignore
Geo-Integration	Provide XML Data for Multi-Spectral Confirmation of Target with Visual Sensors, Radar, etc.
Detection Output	
Geo-Location	Real-time intruder GPS location displayed over aerial facility map
Intruder Size	Real-time intruder size reports
Alarm Triggered Video	Full frame rate, full resolution video transmission only upon true alarms
Low Battery	Remote monitoring and low battery warning provided
Electrical	
Power	20 W nominal. Solar and battery capable
Voltage	24 V AC/DC +/- 10%
Solar Power	4-100 watt, photovoltaic modules included
Battery	12-6 VDC, deep cycle batteries
Battery Life	Continual operations under typical sun conditions; 2 week battery life in no-sun conditions

Communications and Interface	
Data Connector	10/100 Base TX, 802.11x
Protocols	Supports all leading network protocols including streaming video protocols
Video Frame Rate	Up to 30fps
Compression	MPEG4 & MJPEG (Dual Stream)
Wireless	Available options include satellite communications, commercial cellular, WLAN and full broadband, without degradation in detection reliability

Data Security	
Encryption	AES Encrypted video and control data
Authentication	Basic and Digest Login
Hardware Tampering	Hardware tampering reported as alarm

Camera Enclosure and Dimensions	
Operating Range	-30 $^{\circ}$ C to +60 $^{\circ}$ C
Enclosure	NEMA 4X and IP66 compliant
Outdoor Ready	Nitrogen purged, auto lens defogger
Dimensions	47.3cm L x 16.2cm W x 16.8cm H (18-5/8" x 6-3/8" x 6-5/8")
Weight	SightSensor: 6.8kg (15 lbs); MDK: 997.9kg (2200 lbs)
Mounting	Standard 3 hole camera mount - 3 x 1/4-20 tpi bolts

Trailer Specs and Dimensions	
Standards	Meets Federal and State DOT trailer requirements
Hitch	2" ball coupler, 5000 lb. rated, bolted to draw bar
Mast	Three concentric sections of square steel tubing, maximum height 32 ft. Mast assembly is capable of 360 $^{\circ}$ rotation
Transportation	Entire assembly can be lowered to a horizontal position for transportation

All specifications are subject to change without notice.