



SightLogix Enterprise Security System

Setting the standard for Outdoor IVS

The SightLogix Intelligent Video Surveillance (IVS) system sets a new standard for reliable detection and cost/performance value in outdoor security. By significantly improving reliable detection at long distances, the system lowers installation and operating costs as much as two-thirds below that of comparable systems. Its "edge" architecture provides additional value by simplifying system design and eliminating video processing servers and installation infrastructure.

Sophisticated built-in analytics

The SightLogix system consists of multiple *Logix-Cameras* connected to *SightMap* target-display coordination software that resides with existing display and archival (NVR) systems. The *Logix-Camera* is a powerful and unique processing platform that integrates camera control, advanced image processing, object tracking and behavior analysis inside the camera enclosure. The net-centric SightLogix system is designed to operate over low-bandwidth wireless networks and can run on solar/battery power.

'Edge' architecture for Outdoors

The integrated-processing *Logix-Cameras* perform target detection and all other surveillance functions right from the network's edge, making the innovative SightLogix system ideal for use at airports, seaports, railroad yards, petrochemical and power plants, government facilities, and similar large and small, local and remote properties.

Eliminate nuisance & false alarms

Logix-Cameras mitigate any ill effects of extreme real-world interference such as high wind, lighting changes, precipitation, moving clouds, shadows and vibration,

detecting targets with unmatched accuracy over greater distances. Targets are detected at hundreds of meters and reported with their GPS co-ordinates.

Camera coordination & data display

SightMap coordinates and displays data from all *Logix-Cameras* on an integrated, geo-referenced topology map. It shows geo-located targets as moving icons overlaid on camera footprint icons. *SightMap* software blends seamlessly into most display/archival systems with no modification or middleware.

Secure, scalable IT integration

SightLogix is leading the way toward the integration of physical and IT security networks by providing end-to-end data security, open IT standards and configurable QoS without loss of detection reliability. We support the latest data security, authentication and hardware intrusion-detection standards. Our net-centric system design also enables security and IT managers to unify surveillance at multiple sites across any distance with management flexibility from one or multiple command centers.

Designed with integrators in mind

SightLogix products are distributed through security and IT integrators. System set-up is easy – training takes approximately an hour compared to days required by other solutions.



SightMap Coordination Software

Outdoor surveillance that makes economic sense

**SightLogix**

Intelligent Surveillance



Why SightLogix?

- Reduce security infrastructure and operating budget by up to two-thirds
- Improve security reliability for large and remote outdoor areas
- Detect objects farther away more accurately with leading-edge image processing
- Integrate seamlessly with existing display/archiving equipment
- Accommodate growth or change with a scalable, open platform
- Ideal for rapid, mobile deployment

Technical Specifications

Imager and Optics Options	
Thermal (option)	Vanadium Oxide long-wave thermal imager (8-14 μm). Un-cooled FPA. Various lens choices available
Visible (option)	1/4 type CCD; Fixed & variable field-of-view options; 0.7 Lux, (F1.4, 1/60 NTSC or 1/50 PAL)
Sight-Map Specifications	
Operating systems	Portable across Windows and Linux platforms
Aerial image format	Geo-rectified aerial images in common image formats e.g. JPEG
Typical sys. requirements	Standard high-end PC running Windows Operating System
Target Detection	
Range	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
Detection Modes	
Area intrusion	Perimeter or buffer zone breach detection
Entry / exit	Entry and/or exit tripwires
To-from	To-from zone configuration
Configurable zones	Ignore zone, warning zones, mask zones
Detection Output	
Geo-location	Real-time intruder GPS location
Intruder size	Real-time intruder size reports
Alarm triggered video	Full frame rate, full resolution video transmission only upon true alarms

Communications and Interface	
Data connector	10/100 Base TX. TCP/IP network ready.
Compression	MPEG4; unicast or multicast
Bandwidth	Configurable bandwidth from satellite communications, cellular to full broadband, without degradation in detection reliability
Dual stream	Dual video channels, independently configurable for streaming & archiving
Data Security	
Encryption	AES Encrypted video and control data
Authentication	Client-server authentication scheme
Hardware tampering	Hardware tampering reported as alarm.
Electrical	
Power	20 W nominal. Solar and battery capable
Voltage	24 V AC/DC +/- 10%
Packaging and Dimensions	
Operating range	-30 °C to +60 °C
Enclosure	NEMA 4X and IP66 compliant
Outdoor ready	Nitrogen purged, auto lens defogger
Dimensions	19"x7"x6.5"
Weight	15 lbs
Mounting	Standard 3 hole camera mount – 3 x 1/4-20 tpi bolts

All specifications are subject to change without notice.