


Wireless Rapid Deployment Kit

Portable, Wireless, Self-Contained or Networked
Perimeter & Scene Monitoring
Outdoor Surveillance Systems

Designed for First Responders

SightLogix' WRDK is a long-range wireless self-contained or networked perimeter-intrusion and scene monitoring surveillance kit. It consists of one or more intelligent outdoor portable wireless surveillance cameras coupled with a portable Command Center ruggedized laptop workstation or wireless network providing real-time GPS situational awareness and streaming video with in-camera analytics.

Perimeter and scene monitoring surveillance requires a pre-emptive posture that provides reliable pre-incident awareness, geo-spatial target tracking, and interoperability. The WRDK provides reliable and long range detection automation with in-camera analytics and GPS situational awareness, providing force multiplication and a real time operational picture of targets and/or resources on one screen.

Mobility & Rapid Deployment

One-person portability, zero-infrastructure, and easy to use 15-minute deployment makes the WRDK ideal for first responders. It is designed to be deployed in outdoor areas as well as in those situations requiring covert surveillance operations and scene monitoring where long-range detection is critical.

Wireless Rapid Deployment Kit Uses:

- Critical Infrastructure & Key Resource Buffer Zone Protection
- Covert surveillance for terrorism/drug/ crime reduction operations
- Perimeter detection for large scenes, e.g., fire, haz-mat, train or plane accidents
- Force protection for forward deployed personnel
- Special events that require additional force to patrol limited access areas
- Perimeter detection for SWAT and Active Shooter operations
- Forest fire and/or flooding scenarios where remote monitoring is critical to safety
- Forward deployed mobile command posts
- Correctional events requiring long range monitoring, e.g., uprisings, escapes, etc.

Networked Command Center

GPS Awareness for Regional Response

The SightLogix WRDK provides real-time GPS situational awareness of all targets or on-scene resources directly from the cameras to first responders. It enables coordinated activities of several mission partners.

Interoperability

SightLogix' open-standard, IP-based system is designed to seamlessly integrate with public and corporate IT networks, without middleware or additional integration. SightLogix supports the latest industry standards for data and communications, including video and data encryption as well as device authentication to enable an interoperable yet secure IT appliance. This allows emergency responders to share visual and geospatial information with appropriate resources during events which require safe, effective, immediate responses.

How to Obtain the SightLogix WRDK

GSA

The SightLogix WRDK is available for purchase from the General Services Administration (GSA), simplifying procurement for federal agencies and other customers with authorization to purchase from the Federal Supply System. Visit http://www.sightlogix.com/gsa.html for details.

Grants

The Department of Homeland Security provides funding through numerous grant programs to help state and local agencies to procure SightLogix products. Visit http://www.fema.gov/government/grant/index.shtm for details.

Integrators

SightLogix products are available through an international network of certified integrators that can provide support, product assistance, and customized WRDK solutions to meet your specific needs.

Customized WRDK Solutions:

- ✓ Cellular connectivity to your network
- ✓ Wireless, including 802.11.a(b)(g)(n)
- ✓ Integration with display/archiving equipment (NVR/DVR)
- ✓ Power options (e.g., POE, Battery, Solar, Fuel Cell)
- ✓ Extended range directional antennas
- ✓ Mesh Networks

Technical Specifications

Target Detection	
Range	Up to 1000m in most applications. No degradation with camera motion
Tracking	Human and vehicle, continuous tracking
Stabilization	Electronic stabilization eliminates false detects including camera motion
Detection Output	
Geo-location	Real-time intruder GPS location displayed over aerial facility map
Target attributes	Height, width, speed, direction, aspect ratio
Alarm-triggered video	Alarm-based video settings, including frame rate and resolution.
Geo-Integration	Provide XML data for multi-spectral confirmation of targets
Communications and Interface	
Data connector	10/100 Base TX, 802.11a(b)(g)(n)
Wireless transmission	Point-to-point, COTS, WPA2-AES encryption
Network protocols	TCP/IP network ready; utilizes leading network protocols including streaming video
Video Frame Rate	Up to 30fps
Resolution	320x240
Compression	MPEG4 & MJPEG (simultaneously - dual stream)
Bandwidth	Configurable, allowing satellite communications, cellular to full broadband; no degradation in detection reliability
Supported VMS include	AMAG, Bosch, Cisco, DVTel, Genetec, Lenel, Milestone, March Network, Nice, OnSSI, Proximex, VideoNext

Analytic Modes	
Modes	Enter or exit tripwire, directional zone violation, loitering
Behavior	Perimeter or buffer zone breach detection, object left behind, missing object, wrong direction
Zone Types	Alarm, mask, ignore
Electrical	
Power	20 W nominal. Solar, POE and battery capable
Voltage	28 V DC +/- 10% battery or AC adaptor
Imager	
Thermal (option)	Long-wave thermal imager (8-14 µm); 46°, 36°, 20°, 14°; <85mK at f/1.6; fixed focal length
Visible (option)	3° at f/3.0 to 48° at f/0.4; 0.7 Lux at f/1.4, 1/60 NTSC or 1/50 PAL; >50dB; auto focus
Camera Enclosure and Dimensions	
Operating range	-30°C to +60°C
Enclosure	NEMA 4X and IP66 compliant
Outdoor ready	Nitrogen purged, auto lens defogger
Dimensions	18-5/8" x 6-3/8" x 6-5/8"
Weight	6.8kg (15 lbs)
Mounting	Standard 3 hole camera mount – 3 x ¼-20 tpi bolts
SightMonitor Specifications	
Aerial image format	Geo-rectified aerial images in common image formats
Typical system requirements	Standard high-end PC running Windows Operating System XP SP2 or 2003 Server

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SightLogix
When Pre-Emption Matters