



# SightLogix® WideView SightSensor™

## Wide Area Security Camera

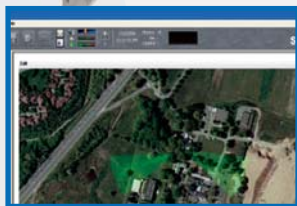
The WideView SightSensor is an intelligent video surveillance camera for wide-area monitoring around critical outdoor assets. WideView SightSensor provides a buffer zone of security alongside buildings, bridges, tunnels, entranceways or other areas requiring close-in, wide-area security. The SightSensor edge-based processing architecture greatly expands the detection coverage field of view (3X the area of any commercial alternative), lowering installation and operating costs to less than half that of comparable solutions. The result is the most comprehensive, reliable and economic intrusion detection solution available today.

## Setting the Standard for Outdoor Security

The WideView SightSensor is built for outdoor applications, in all weather, lighting and geographical conditions, and integrates camera control, image stabilization, advanced image processing, object tracking and behavior analysis inside a ruggedized camera enclosure. The sensitive CCD day/night imager, coupled to powerful multiprocessing electronics, is packaged in a dry-nitrogen pressurized enclosure to meet NEMA-4X standards. SightSensors can be deployed in the most isolated areas and in the most urgent of situations - from polar arctic regions to the equatorial deserts - with confidence.

## Wider Field of View Drives Greater Cost Savings

Wider-range coverage and increased reliability means fewer cameras to protect your facility. This results in significant cost savings (in excess of 50%) in power and communications infrastructure, and more efficient use of power, communications and mounting infrastructure. As a completely self-contained edge device, SightSensors also minimizes the typical network communications problems and server infrastructure costs over that of server-centric solutions.



SightMonitor Coordination Software

## Pre-emptive Security for Buffer Zone Protection

The WideView SightSensor surveillance camera is one element of the SightLogix Enterprise Security System. Options include Thermal and Visible long-range SightSensor cameras for perimeter security; SightTrackers that automatically steer PTZ cameras for target identification; and SightMonitor software for GPS target location display. SightLogix systems are available in fixed, rapid deployment or mobile deployment configurations.

## Eliminate False & Nuisance Alarms

SightLogix' patented "edge" architecture combines high-performance optic cores with the most powerful on-board computing architecture on the market: Five (5) digital signal processors (DSP) tightly integrated with the imaging, optics, geo-spatial tracking, analytic processing policies, and the most advanced image stabilization and filtering algorithms ever developed.

WideView SightSensors' edge-based approach delivers the processing power to mitigate 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 wide areas (up to 58 meters wide and 42 meters out, depending on height and camera angle) and reporting targets with their GPS coordinates.

## Geo-registered Situational Awareness

SightSensors work cooperatively with SightMonitor, a real-time geospatial topology view of target locations overlaid on a satellite image of the perimeter. Geo-registered situational awareness provides both the "what" and "where" of security breaches. The result is a comprehensive, real-time, visual perspective with GPS-registered tracking over an entire secured area of interest.

## Why WideView SightSensor?

- Wide-area surveillance for buildings, bridges, rail and car tunnels, or other entranceways
- Can be mounted on the asset under surveillance to leverage existing infrastructure, reducing costs
- Covers any size facility with fewer cameras, reliably, at half the price
- Minimizes false and nuisance alarms even in challenging outdoor environments
- Economical for deployments of one to 1000's of cameras
- Operates over standard IT networks (wired/wireless/cellular, etc.)
- Extensively configurable video analytics for complete security management
- Registration of camera fields of view to actual GPS coordinates
- Seamless integration with leading display/archiving VMS/NVR and C2 systems

## Technical Specifications

Imager and Optics Options	
Visible	1/3 type CCD; 105° field-of-view; 0.9 Lux
SightMonitor Specifications	
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	
Typical Coverage Area (10m camera height)	18m wide camera footprint; 58m wide at 42 meters distance. No degradation with camera motion
Tracking	Human and vehicle, continuous tracking
Electronic Stabilization	No false detects even from camera motion due to wind, etc.
Analytic Modes	
Modes	Multi-Mode Tripwire, Directional Zone Violation, Loitering, From/To
Target Attributes	Height, Width, Speed, Direction, Aspect-Ratio
Activity	Object Left Behind, Missing Object, Wrong Direction
Zone Types	Alarm, Mask, Ignore
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
Geo-Data	Provide XML Data for Multi-Spectral Confirmation of Targets with Visual Sensors, Radar, etc.

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)
Bandwidth	Configurable bandwidth from satellite communications, cellular to 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
Electrical	
Power	20 W nominal. Solar and battery capable. 60W heater optional.
Voltage	24 V AC/DC +/- 10%
Camera Enclosure and Dimensions	
Operating range	-50°C to +70°C (-58°F to +158°F)
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	6.8kg (15 lbs)
Mounting	Standard 3 hole camera mount – 3 x 1/4-20 tpi bolts

All specifications are subject to change without notice.

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