

Thermal SightSensor XA

Long-Range/Wide Area Detection Camera



Four Times the Area Coverage Over Any Other Solution

The Thermal SightSensor XA is a smart outdoor security camera that uses SightLogix' acclaimed video analytics to detect intruders with high accuracy and low nuisance alerts along perimeters and wide outdoor areas. The 640x480 SightSensor XA can replace up to four standard thermal cameras, reducing infrastructure costs for substations and utilities, rail, airports, energy, chemical facilities and other critical assets.



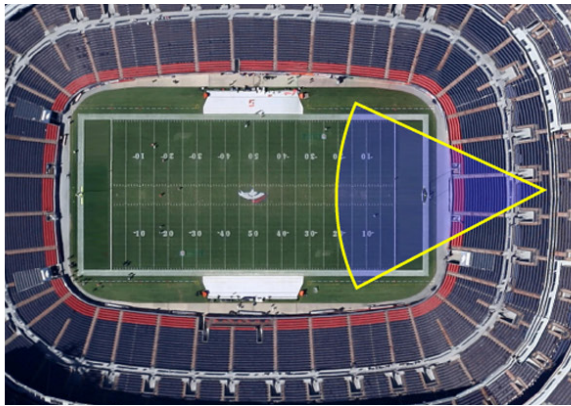
FEATURES

- ✔ Powerful On-board Processing
- ✔ Geospatial Video Analytics
- ✔ Wide-area human detection up to 595 meters

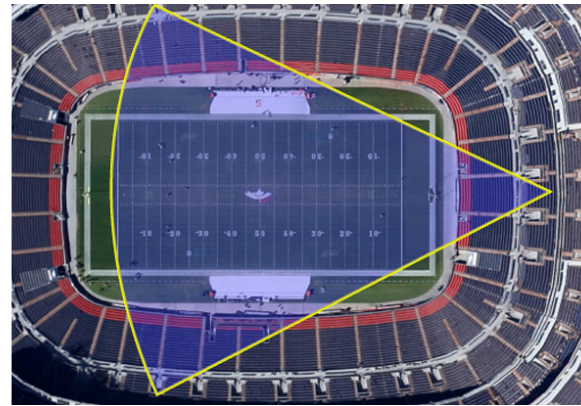
BENEFITS

- ✔ Unmatched analytic accuracy & video clarity
- ✔ Near-zero nuisance alerts, 24/7, all conditions
- ✔ Lowest cost/-meter for perimeter and area security

BEST AVAILABLE ALTERNATIVE



SIGHTSENSOR® XA WIDE AREA COVERAGE



OUTSTANDING DETECTION AND CLARITY



ORDERING INFORMATION

Part Number	Crossfield Detection	Inbound Detection	FOV
NS75-620	369 ft (113m)	246 ft (75m)	90°
NS100-620	492 ft (150m)	328 ft (100m)	70°
NS145-620	714 ft (218m)	467 ft (145m)	50°
NS195-620	960 ft (293m)	640 ft (195m)	37.5°
NS305-620	1501 ft (458m)	1001 ft (305m)	24.8°
NS410-620	1969 ft (600m)	1345 ft (410m)	17.6°
NS595-620	1969 ft (600m)	1952 ft (595m)	12.4°

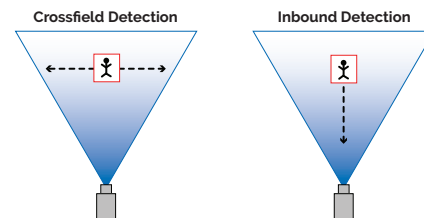
AVAILABLE ACCESSORIES

Mounts – Refer to the *SightLogix Accessories Datasheet*.

SightMonitor – GPS-based target display and coordination software.

SightTracker – Automatic PTZ controller.

HOW DETECTION RANGE IS MEASURED



Specifications

✔ Video Analytics

Video Analytic Rules (Up to 64 individual Alarm Zones)

Motion Tracking, From/To Zones, Target Size Filtering, Wrong-Way Direction, Loitering, Object Left Behind, Speed, Time of Day, Mask Zones

Target Object Parameters

Time, alarm state, creation time, GPS position, size, heading, speed, aspect ratio, and alarm zone

✔ Target Tracking Output

Communications

Metadata via industry standard XML over a HTTP/HTTPS interface for 3rd-party integration

SightTracker (optional)

Provides detected targets' GPS coordinates to automatically position PTZ cameras for continual tracking

✔ Imager and Video Output

Detector: Un-cooled VOx Microbolometer, 8-14 micron

Resolution: 640x480 (fixed lens)

Fields of View: 90°, 70°, 50°, 37.5°, 24.8°, 17.6°, 12.4°

Dynamic Range: 14 bit digital sensor interface

Sensitivity (NETD) f/1.0: < 50 mK at room temp

Compression: H.264, MPEG-4 (Simple Protocol), MJPEG

Frame Rate: Up to 15 FPS; user configurable

✔ Network

Ethernet Wired

100 RJ45, IEEE 802.3, 802.3i, 802.3u

Data Rate: 64 kbps to 8 Mbps

Operating Mode: 100 Mbps - Full-duplex, Half-duplex

Protocols: DHCP, IPv4, HTTP, HTTPS, SSL, SLP, DNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, ARP

Configuration: SightMonitor or Web browser (using default IP address)

✔ Electrical

Voltage: 24 VAC/DC +/- 10% or PoE IEEE 802.3af

Total max power (with heater): 26.5W (1.5 amps) @ 24V

- Basic camera operation: 6.5W

- Window Heater (severe conditions): 20W (requires 24V)

I/O Connectors: RJ45 (Ethernet), SMB (video in & out), terminal blocks for RS422/RS232, power, audio out, relay out

Audio Out: Balanced line output for external speaker to broadcast default message on alarm

✔ Camera Enclosure

Weight

2.1 kg (4.6 lbs.)

Enclosure

IP66

Dimensions

30.7 cm L x 14.7 cm W x 14.0 cm

Mounting

3 x 1/4-20 UNC bolts

✔ Environmental

Operating Temperature

-40° to +60°C (-40° to +140°F)

Relative Humidity

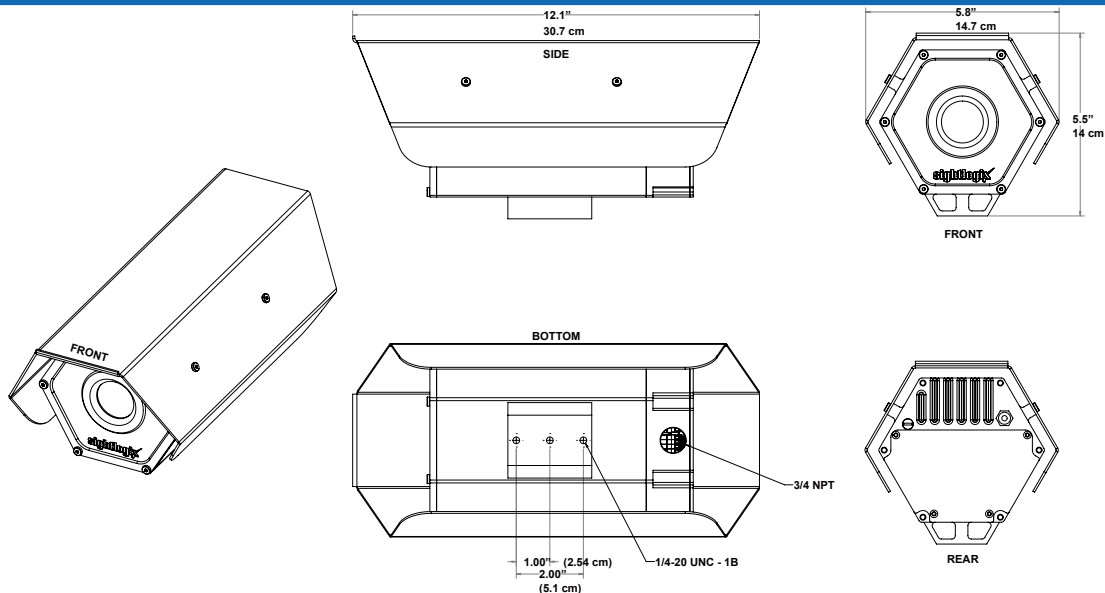
0 to 100%

Storage Temperature

-40° to +80°C (-40° to 176°F)

Safety Compliance

FCC Part 15, Class A, CE



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