

Thermal SightSensor NS 640x480

Long-Range/Wide Area Detection Camera

sightlogix
making outdoor video... *smarter*

Outstanding Thermal Intruder Detection

The SightSensor NS is a smart thermal camera that detects, analyzes and communicates real-time intruder activity over critical perimeters at outdoor sites. Like all SightSensor thermal cameras, the NS works at the edge and includes integrated video analytics, scene and gyro-based stabilization, and a toolbox of filters to optimize outdoor performance.



FEATURES

- ✔ Powerful image processing
- ✔ Geospatial video analytics
- ✔ Outstanding thermal image clarity

BENEFITS

- ✔ Accurate detection, extended range, low false alarms
- ✔ Detect intrusions while ignoring small animals
- ✔ Nighttime surveillance without lighting

PROCESSING YIELDS OUTSTANDING THERMAL DETECTION AND CLARITY



AVAILABLE ACCESSORIES

Mounts

Wall and pole mounts available. Refer to the *SightLogix Accessories* datasheet.

SightMonitor

GPS-based target display and coordination software. Refer to the *SightLogix SightMonitor* datasheet.

SightTracker

Automatic PTZ controller. Refer to the *SightLogix SightTracker* datasheet.

ORDERING INFORMATION

Part Number	Inbound Detection	FOV
NS75-620	246 ft (75m)	90°
NS100-620	328 ft (100m)	70°
NS145-620	467 ft (145m)	50°
NS195-620	640 ft (195m)	37.5°
NS305-620	1001 ft (305m)	24.8°
NS410-620	1345 ft (410m)	17.6°
NS595-620	1952 ft (595m)	12.4°

Crossfield detection distances may be up to 50% further, depending on application conditions

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Specifications

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

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
Onboard Storage - Built-in microSD slot (card not supplied; high-endurance cards strongly recommended). Stored clips accessed via WebConfig.
Target Object Parameters
 Time, alarm state, creation time, GPS position, size, heading, speed, aspect ratio, and alarm zone

Electrical

Power Requirements
 - **Thermal imager use only:** 6.5W, 24VAC +/- 10% or PoE IEEE 802.3af
 - **Window Heater (if enabled):** 20W (24VAC required)
Total power (with all functionality): 26.5W 24VAC (1.5 amps)
I/O Connectors: RJ45 (Ethernet), SMB (video in & out), terminal blocks for RS422/RS232, power, relay out

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 supported PTZ cameras for continual tracking

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 application or browser-based WebConfig

Camera Enclosure

Weight: 2.1 kg (4.6 lbs.)

Mounting

3 x 1/4-20 UNC bolts

Dimensions

30.7 cm L x 14.7 cm W x 14.0 cm

Powder Coat Rating

1000 sea-spray hours

Enclosure: IP66

Environmental

Operating Temperature

-40° to +60°C (-40° to +140°F)

Relative Humidity

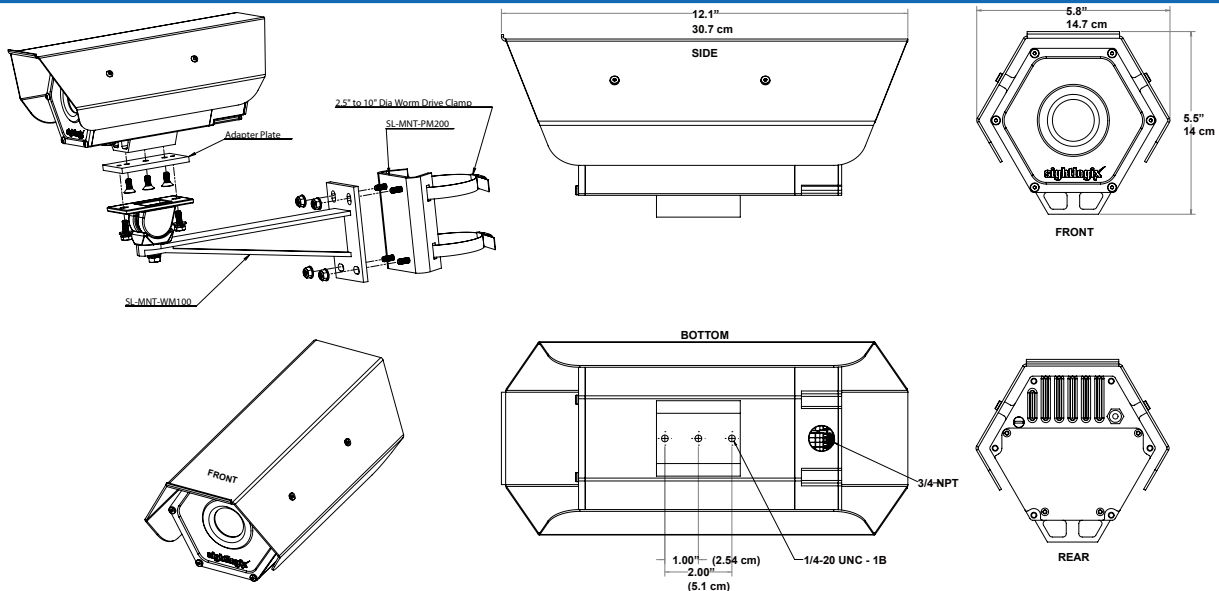
0 to 100%

Storage Temperature

-40° to +80°C (-40° to 176°F)

Safety Compliance

FCC Part 15, Class A, CE



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