Thermal SightSensor
Long-Range Detection Camera

Outstanding Thermal Intruder Detection
The Thermal SightSensor is a smart outdoor security camera that uses SightLogix’ acclaimed video analytics to detect intruders with high accuracy and low nuisance alerts at perimeters and outdoor areas. With a thermal imager, integrated video analytics, advanced video processing and built-in stabilization, the ruggedized Thermal SightSensor provides outstanding detection in harsh conditions, while providing crisp, clear video day and night.

FEATURES
- Powerful On-board Processing
- Geospatial Video Analytics
- Long-range human detection up to 600 meters

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

Processing Yields Unmatched Accuracy and Clarity

ORDERING INFORMATION
<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inbound Detection</th>
<th>FOV</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS35-320</td>
<td>113 ft (35m)</td>
<td>90˚</td>
</tr>
<tr>
<td>NS62-320</td>
<td>203 ft (62m)</td>
<td>60˚</td>
</tr>
<tr>
<td>NS95-320</td>
<td>306 ft (95m)</td>
<td>42˚</td>
</tr>
<tr>
<td>NS160-320</td>
<td>515 ft (160m)</td>
<td>24˚</td>
</tr>
<tr>
<td>NS242-320</td>
<td>779 ft (242m)</td>
<td>16˚</td>
</tr>
<tr>
<td>NS430-320</td>
<td>1411 ft (430m)</td>
<td>9˚</td>
</tr>
<tr>
<td>NS600-320</td>
<td>1969 ft (600m)</td>
<td>6.2˚</td>
</tr>
</tbody>
</table>

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

ACCESSORIES
Mounts – Refer to the SightLogix Accessories Datasheet.
SightMonitor – GPS-based target display and configuration software.
SightTracker – Automatic PTZ controller.
### 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
- **Detector:** Un-cooled VOx Microbolometer: 8-14 micron
- **Resolution:** 320x240 (fixed lens)
- **Fields of View:**
  - 90° 60° 42° 24° 16° 9° 6.2°
- **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 30 FPS; user configurable

### Electrical
- **Voltage:** 24 VAC/DC +/- 10% or PoE IEEE 802.3af
- **Total max power (with heater):** 26W (1.5 amps) @ 24V
  - Basic camera operation: 6W
  - 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.)
- **Dimensions:**
  - Enclosure: 30.7 cm L x 14.7 cm W x 14.0 cm
  - Mounting: 3 x 1/4-20 UNC bolts

### 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)

### Environmental
- **Operating Temperature:** -40° to +60°C (-40° to +140°F)
- **Storage Temperature:** -40° to +80°C (-40° to 176°F)
- **Relative Humidity:** 0 to 100%
- **Safety Compliance:** FCC Part 15, Class A, CE

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