SightSensor GTC (International)

Smart Thermal & Visible Detection Camera

Outstanding Thermal and HD Color Detection

The SightSensor GTC is a dual-imager smart camera that that detects, analyzes and communicates real-time intruder activity over site perimeters and buffer zones. The GTC works at the edge and includes powerful video processing, a thermal sensor, a high-definition color sensor, geo-aware video analytics, thermal AI nuisance alarm filtering, automatic stabilization, exceptional thermal clarity, and a toolbox of filters to optimize outdoor intruder detection performance.

BENEFITS

Oetects & validates thermal & visible alarms in real-time

HD COLOR DETAIL

- Higher detection accuracy and lower false alarms
- Nighttime thermal surveillance without lighting

FEATURES

- Thermal and visible color sensors in one device
- Geospatial Video Analytics
- Outstanding thermal image quality

THERMAL DETECTION



Detection zones optionally displayed for easier setup

AVAILABLE ACCESSORIES

Mounts

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

SightMonitor II

Site management and GPS target display software. Refer to the *SightLogix SightMonitor II* datasheet.

SightTracker PTZ

Smart Al people tracker. Refer to the *SightLogix SightTracker PTZ* datasheet.

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Thin white lines indicate thermal detection zone

Part Number	Inbound Detection	Thermal FOV	Thermal Focal Length	Visible FOV
GTC690-220	75m / 246 ft	90°	7.5mm	110°
GTC670-220	100m / 328 ft	70°	9mm	78°
GTC650-220	145M / 475 ft	50°	13mm	65.5°
GTC632-220	220M / 722 ft	32°	19mm	40°
Crossfield detection may be up to 50% further, depending on				

ORDERING INFORMATION (640 x 480)

application conditions.

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Specifications

Thermal Imager

Detector: Un-cooled VOx Microbolometer, 17 micron **Resolution:** 640×480 (fixed lens)

Dynamic Range: 14 bit digital sensor interface

Sensitivity (NETD): 40mk/f1.0/25°C

Frame Rate: Up to 25 FPS; user configurable

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

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, Shock Detection, Privacy Zones

Thermal AI Filter Options: "None", "Everything Except Person and Vehicle," "Everything Except Person," Everything Except Vehicle".

Onboard Storage - Built-in microSD slot (card not supplied; high-endurance cards strongly recommended). Stored clips accessed via WebConfig.

Communications

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

Electrical

Power Requirements

Without Window Heater (24VAC only) -15W, 24VAC +/- 10% With Window Heater (24VAC only): - 35W 24VAC (1.5 amps)

I/O Connectors

RJ45 (Ethernet), terminal blocks for RS422/RS232, power, relay out

HD Color Imager

Imager: 2 MP (1/2.8-inch, Progressive Scan CMOS)

Aspect Ratio: 16:9 (Full HD 1080p, 1920 x 1080)

Dynamic Range: WDR >120db Multiple exposure

Imaging Area: Diagonal 6.46 mm (Type 1 / 2.8)

Minimum Illumination: 0.01 Lux @ F1.2

Frame Rate: Up to 15 FPS Lens: f1.6 - f2.0, fixed focus

Day/Night: Controllable IR cut filter

Video Output: H.264, MJPEG

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.)

Dimensions 30.7 cm L x 14.7 cm W x 14.0 cm **Enclosure:** IP66 Mounting 3 x 1/4-20 UNC bolts Powder Coat Rating

1000 sea-spray hours

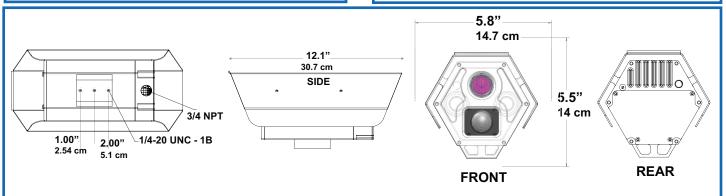
Environmental

Operating TemperatureSafety Compliance-40° to +60°C (-40° to +140°F)FCC Part 15, Class A, CE

Operating Relative Humidity 0 to 100%

Storage Temperature -40° to +80°C (-40° to 176°F)

Storage Relative Humidity 0-95%, non-condensing



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Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.