SightSensor GTC (International)
Smart Thermal & Visible Detection Camera

sightlogix
making outdoor video…smarter

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.

FEATURES	BENEFITS
● Thermal and visible color sensors in one device	● Detects & validates thermal & visible alarms in real-time
● Geospatial Video Analytics	● Higher detection accuracy and lower false alarms
● Outstanding thermal image quality	● Nighttime thermal surveillance without lighting

THERMAL DETECTION

Detection zones optionally displayed for easier setup

HD COLOR DETAIL

Thin white lines indicate thermal detection zone

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 AI people tracker. Refer to the *SightLogix SightTracker PTZ* datasheet.

ORDERING INFORMATION (640 x 480)

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 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.)

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)

Safety Compliance
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

5.8"
14.7 cm

12.1"
30.7 cm
SIDE

5.5"
14 cm

3/4 NPT

1.00"
2.54 cm

2.00"
5.1 cm

1/4-20 UNC - 1B

FRONT

REAR