Senstar TC200™

Thermal-Visible, Dual-Video Detection Camera for Outdoor Site Security

The Senstar TC200 is a dual-stream smart camera that detects intruders with high accuracy and low nuisance alarms. It combines the power of thermal detection with the power of visible color for a comprehensive, 24-hour security solution.

With a thermal sensor, HD color sensor, on-board video storage, automatic stabilization, LED illumination, and Dual-Sensor Video Analytics, the Senstar TC200 helps prevent crime, theft, and business disruptions at perimeters and outdoor areas with exceptional reliability.

By combining outstanding detection performance in a cost-effective package, with long-range and wide-angle options, the Senstar TC200 is an excellent solution for protecting businesses, fenced-in yards, schools, perimeters, and enabling remote video monitoring applications.

Features

- Dual-Sensor Analytics
- Geospatial detection rules
- Long-range, wide-area coverage
- Automatic stabilization
- Onboard video storage
- Fully integrated with the Senstar Symphony™ Common Operating Platform

Benefits

- Outstanding intruder detection and lower false alarms
- Detects people, not distractions - based on size, speed, bearing
- Proactive, buffer zone awareness before intruders get close
- Reliable detection in wind, vibrations, camera shake
- Store and retrieve thermal and visible alarm clips
- Works seamlessly with existing systems

Thermal Detection

Detection red box also displayed on color video

HD Color

White border indicates thermal detection zone

PART	DESCRIPTION
Q1EM0100-001	Thermal-visible video analytic camera - 320x240 thermal (LWIR) 24° FOV / visible (1080P HD) 27° FOV, inbound range 328 ft (100 m), 24VAC, POE
Q1EM0200-001	TC wall mount lightweight design with a load capacity of 20 lb. Includes adjustable head 10.5 in (26.75 cm).
Q1EM0300-001	TC pole mount adapter for TC wall mount. Arm includes 28 in (72 cm) stainless steel straps-min. pole diameter 3 in (7.6 cm).

Technical Specifications

THERMAL IMAGER

Thermal Detector
Un-cooled VOx Microbolometer 8-14 micron

Resolution
320x240

Dynamic Range
14 bit digital sensor interface

Aspect Ratio: 4:3

Sensitivity (NETD): <60mK at f/1.0

Frame Rate: Up to 15 FPS

Video Output: H.264, MJPEG

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, fixed focus

NIR Illumination Range: (Dual 850nm LEDs) 70M

Day/Night: Controllable IR cut filter

Video Output: H.264, MJPEG

VIDEO ANALYTICS

Video Analytic Rules
Dual-Sensor Analytics (DSA), 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 web browser.

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

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
Browser-based WebConfig

ELECTRICAL

Power Requirements

- **Thermal and visible imager use only:** 8W, 24VAC +/- 10% or PoE IEEE 802.3af
- **NIR Illumination (if enabled):** 6W (24VAC required)
- **Window Heater (if enabled):** 20W (24VAC required)

Total power (with all functionality): 34W 24VAC (1.5 amps)

I/O Connectors
RJ45 (Ethernet), terminal blocks for RS422/RS232, power, audio out, relay out

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

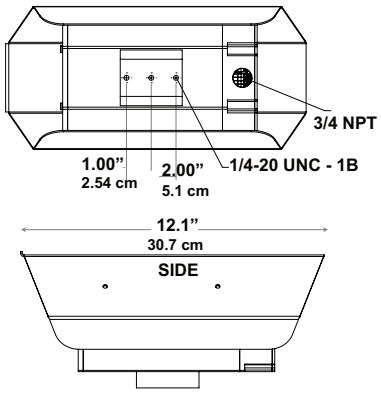
ENVIRONMENTAL

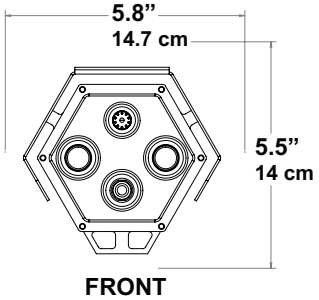
Operating Temperature
-30° to +55°C (-22° to +131°F)

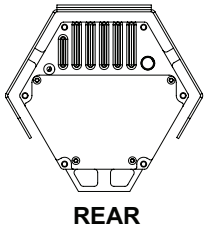
Storage Temperature
-40° to +80°C (-40° to 176°F)

Relative Humidity
0 to 100%

Safety Compliance
FCC Part 15, Class A, CE







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