



# CAM-TI

Thermal Imaging Security Camera

The Aventura TI-Series Thermal Imaging camera provides the ability to detect threats even in zero-visibility conditions. With thermal imaging, the camera has the ability to detect minute heat signatures at enormous ranges in complete darkness and even through smoke or fog. Paired with Aventura's video content analytics and C4 Management Platform this provides the ultimate enterprise perimeter surveillance solution.

## SPECIFICATIONS

THERMAL CAMERA SPECS	
Array Format	320 x 240 or 640 x 480 pixels
Detector Type	Fourth generation of uncooled focal array VOx microbolometer
Spectral Range	7.5 - 13.5 $\mu\text{m}$
Lens	6 mm to 250 mm
Field of View	61° x 46° to 1.4° x 1.1°
Min. Illumination (day)	Color (day) 0.1 lux f1.4
Min. Illumination (night)	B/W (night) 0 lux f1.4
Max. Detection Range	Vehicles: 11.9 mi (19.8 km), People: 7.2 mi (12 km)
Electronic Zoom	2x
Image Processing	Digital Detail Enhancement (DDE): Automatic Gain Control (AGC)
Noise Equivalent Temperature Difference	50 mK
MECHANICAL (Optional Pan-Tilt)	
Field-of-Regard	Rotate 355° horizontally, up and down vertically +6°~-90°;
Pan/Tilt Rate of Speed	Speed: 7.5°/s horizontally; 6°/s vertically;
Position Accuracy	1 mrad
SYSTEM FEATURES	
Remote Control	RS-485
Automatic Heater	Yes
Programmable Search	32 presets/1 path
Pelco D Compliance	Pelco D/Extended Protocol
IMAGE PRESENTATION	
Video Out	Composite signal 1.0Vp-p/75ohm
Signal Connector	BNC video output
INTERFACES	
TCP/IP	Optional
RS-232	Optional
ENVIRONMENTAL	
Operating Temperature	-13°F~131°F (-25°C~55°C)
Storage Temperature	-40°F~149°F (-40°C~ 65°C)
Automatic Window Defrost	No
MIL-Std 810E	Rain, sand/dust, shock, vibration
Operating Humidity	Up to 90%
Ingress Protection Rating (IEC 60529)	IP66
Weatherproof	Yes
Impact Resistance	4 G
Other	Anti salt fog, spraying 48 hours under PH6.5-7.2
ELECTRICAL	
Input Voltage	24 VAC
Power Consumption	60~170 Watts
PHYSICAL	
Weight	10 lb (4.5 kg)
Dimensions (W x H x D)	13" x 6.8" x 6.3" (330 x 172 x 160 mm)
Housing Material	Shell: Precision aluminum alloy, Glass: optical microlite, Coating: anti-reflective film
Housing Color	Beige
Camera Mounting	4-hole pattern
REGULATORY	
Regulatory Type	CE, FCC, UL
<b>Warranty (Effective Jan 1, 2009)</b>	
1 Year	

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- Visibility in Complete Darkness
- Threat Detection in Excess of 6km
- Wide-Dynamic-Range/Thermal Imagery
- Pan/Tilt Controls (optional)
- Rapidly Deployable
- Rugged Construction
- IP66

## AVAILABLE MODELS

Part number	Description
CAM-TI-3020	Thermal Imaging Security Camera with 20 mm Lens and 320 x 240 Sensor
CAM-TI-3033	Thermal Imaging Security Camera with 33 mm Lens and 320 x 240 Sensor
CAM-TI-3040	Thermal Imaging Security Camera with 40 mm Lens and 320 x 240 Sensor
CAM-TI-3050	Thermal Imaging Security Camera with 50 mm Lens and 320 x 240 Sensor
CAM-TI-3100	Thermal Imaging Security Camera with 100 mm Lens and 320 x 240 Sensor
CAM-TI-3125	Thermal Imaging Security Camera with 125 mm Lens and 320 x 240 Sensor
CAM-TI-3150	Thermal Imaging Security Camera with 150 mm Lens and 320 x 240 Sensor
CAM-TI-3200	Thermal Imaging Security Camera with 200 mm Lens and 320 x 240 Sensor
CAM-TI-320X100	Thermal Imaging Security Camera with 20~100 mm Lens and 320 x 240 Sensor
CAM-TI-3250	Thermal Imaging Security Camera with 250 mm Lens and 320 x 240 Sensor
CAM-TI-345X135	Thermal Imaging Security Camera with 45~135 mm Lens and 320 x 240 Sensor
CAM-TI-375X150	Thermal Imaging Security Camera with 75~150 mm Lens and 320 x 240 Sensor
CAM-TI-6020	Thermal Imaging Security Camera with 20 mm Lens and 640 x 480 Sensor
CAM-TI-6033	Thermal Imaging Security Camera with 33 mm Lens and 640 x 480 Sensor
CAM-TI-6040	Thermal Imaging Security Camera with 40 mm Lens and 640 x 480 Sensor
CAM-TI-6050	Thermal Imaging Security Camera with 50 mm Lens and 640 x 480 Sensor
CAM-TI-6100	Thermal Imaging Security Camera with 100 mm Lens and 640 x 480 Sensor
CAM-TI-6125	Thermal Imaging Security Camera with 125 mm Lens and 640 x 480 Sensor
CAM-TI-6150	Thermal Imaging Security Camera with 150 mm Lens and 640 x 480 Sensor
CAM-TI-6200	Thermal Imaging Security Camera with 200 mm Lens and 640 x 480 Sensor

CAM-TI-620X100	Thermal Imaging Security Camera with 20~100 mm Lens and 640 x 480 Sensor
CAM-TI-6250	Thermal Imaging Security Camera with 250 mm Lens and 640 x 480 Sensor
CAM-TI-645X135	Thermal Imaging Security Camera with 45~135 mm Lens and 640 x 480 Sensor
CAM-TI-675X150	Thermal Imaging Security Camera with 75~150 mm Lens and 320 x 240 Sensor