

CAM\IR 2700 DUAL CAMERA PT



Thermal imagers are passive and non-intrusive, detecting day or night and in most weather. As a result, they are invisible to intruders, allowing security personnel to monitor their actions without their knowledge, protecting people and assets before they are exposed to danger. CAM\IR 2700 is a cost-effective thermal imager suited to a variety of applications including: **military, law enforcement, security, and covert operations.** It features plug and play capabilities which allow it to be integrated into existing CCTV security system architecture or it can operate alone. It is small yet effective for large area coverage and perimeter security. It also features numerous customizable options including dual image with a visual camera and heavy duty pan and tilt.

Features:

- Advanced L3 Technology
- Full motion and real time video
- Eliminates need for enhanced light
- Reduces energy costs
- Day or night full image resolution
- Cost-effective
- Plug and play compatibility with CCTV interfaces
- Optional window wiper assembly
- Thermostatically controlled heating and cooling
- Weatherproof machined enclosure
- O ring sealed

Options:

- Mobile or Fixed
- Wireless
- Hardwire
- Fibre Optic
- Temperature measurement at center with crosshair
- Direct, computer, or LAN control
- Heavy duty pan and tilt
- Dual image with visual camera
- Control Software
 - Thermofind™ Motion Detection
 - Thermatect™ Thermal Detection

CAM\IR 2700 PT Specifications

Focal Plane Array

Material and Structure: Amorphous Silicon Microbolometer (160 x 120 pixel array)

Spectral Response: 7-14 μ m (filter bandwidth)

Thermal Sensitivity: \leq 100 mK

Thermal Imaging System Performance

Start-up Time: ~5 seconds

Contrast/Brightness: Enhanced Image Processing

Range to Detect Human Activity:

with 8.5mm lens: Up to 300 feet (90 meters)

with 25mm lens: Up to 1000 feet (305 meters)

Optics

8.5mm focal length Wide FOV (50°x35°) with fixed focus

25mm focal length Medium FOV (17°x12°) with manual adjustable focus

50mm focal length Narrow FOV (9°x6°) with manual adjustable focus

Other customizable lenses available

Video

Output Format: Analog: SMPTE-170 (cf. NTSC monochrome)

Output Resolution: 2-D interpolation to 320 x 240 pixels

Power

Input Voltage: 8-32 VDC

Input Power: 1.2 W @25° C ambient

Physical Characteristics

Size: 10.5"L x 5.5"W x 5.25"H with heat shield

7.5"L x 4"W x 4.5"H without heat shield

Weight: approx. 4 lbs.

Color: Black, White, Olive, Tan, custom

Operating Temperature: -20° C to 60° C

Storage Temperature: -40° C to 85° C



Model numbers and specifications
are subject to change without notice.

Additional Camera Functions

- Optional white-hot/black-hot polarity control
- Optional temperature indication of scene at central crosshair
- Customizable display symbology for temperature indication option
- Serial data port (RS-485) for camera setup