

CAM\IR 3000-50/250



Features:

- Dual Field of View (50/250mm)
- Environmentally Sealed
- Nitrogen Backfilled
- Remote Control Capability

The CAMIR 3000-50/250 thermal imager is the intelligent answer to contemporary mid-range security and surveillance needs. Compact, lightweight, and easily moved, it provides both the clear thermal images required for detection and the reliability to make surveillance effective. The CAMIR 3000-50/250 is a mid-wave infrared dual field of view camera that supplies thermal images with 50 and 250mm focal lengths and offers man-sized target detection at over 4km. It incorporates advanced cooled photodetector technology in a 320 x 256 InSb, 30µm pitch focal plane array and operates in the 3-5µm spectral region—the best choice for marine and high humidity environments. The environmentally sealed, dry nitrogen backfilled enclosure ensures simple secure installation and stability over variable temperatures and conditions and negates the need for additional housings to protect the thermal camera system. The CAMIR 3000-50/250 employs remotely controlled user-friendly plug and play operation.

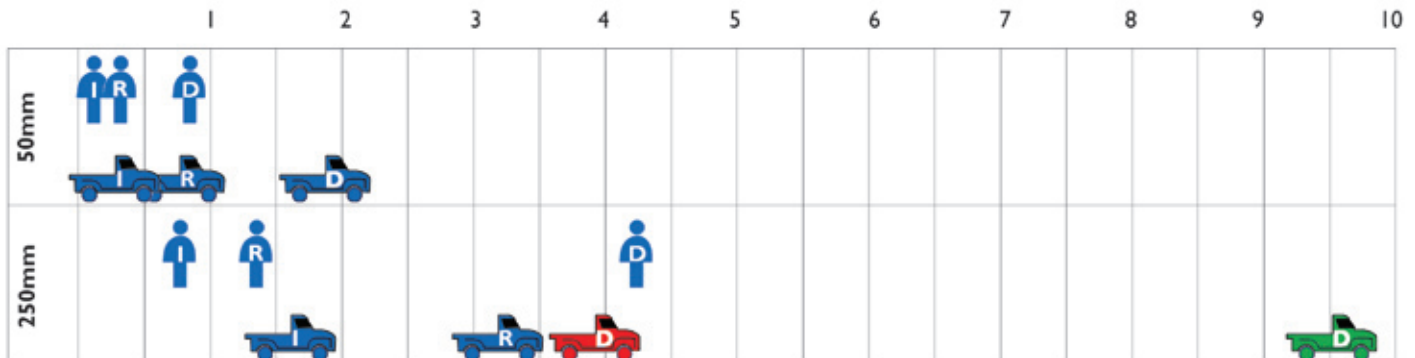
Range Specifications

D= Detection
R= Recognition
I = Identification

GREEN = Good Conditions
RED = Poor Conditions
BLUE = Same in all conditions

 = Target Size (1x1m)
 = Target Size (2.3x2.3m)

Range in Kilometers



System Specifications

Video Format	CCIR601 NTSC or PAL-M
Frame Rate	60 Hz NTSC, 50 Hz PAL
Serial Interface	RS-232 or RS-422
Power Requirements	11-16 V DC / 18 watts typical @ 25°C
Environmentals	Unit is sealed and backfilled with dry nitrogen Front Element Defroster, rated IP67 Operating Temp. Range -20°C to 50°C Non-Operating Temp. Range -40°C to 70°C
Camera Controls	Controls are available on a hand held pendant, rack mounted controller, or through a PC via an RS232/RS422 link.
NEDT	< 40mK
Mounting	¼ -20 Tripod interface

Sensor Specifications

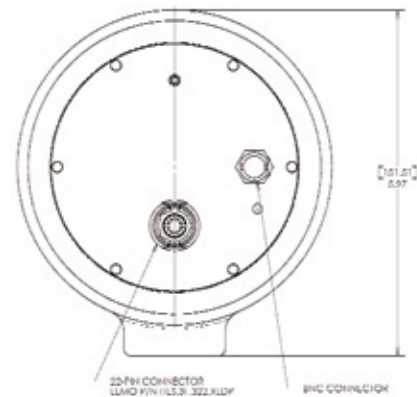
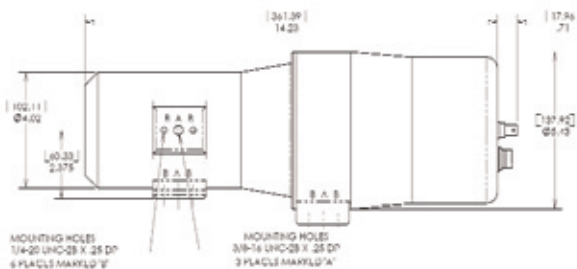
Detector	320 x 256 InSb FPA, 30µ pitch, usable format 320 x 240
Spectral Band	3-5µm
Detector MTBF	7,500 hours

Optical Characteristics

Type	Dual Field of View, 50/250mm motorized focus Motorized remote operation, Auto and manual focus adjust
F-number	4
Spectral Range	3-5µm
Field of View	Dual FOV 2.2° x 1.65° (Narrow), 11.0° x 8.2° (Wide)
Weight	~ 7.4 lbs (3.4kg)
Length	14.23" (36.14cm)

System Integration:

Pan and Tilt, Wireless, Fibre Optic



Model numbers and specifications are subject to change without notice.