

CAM\IR 3000-250/500/1000



Features:

- Greatest Detection Range
- Tri Field of View
(250, 500, & 1000mm)
- Environmentally Sealed
- Remote Control Capability

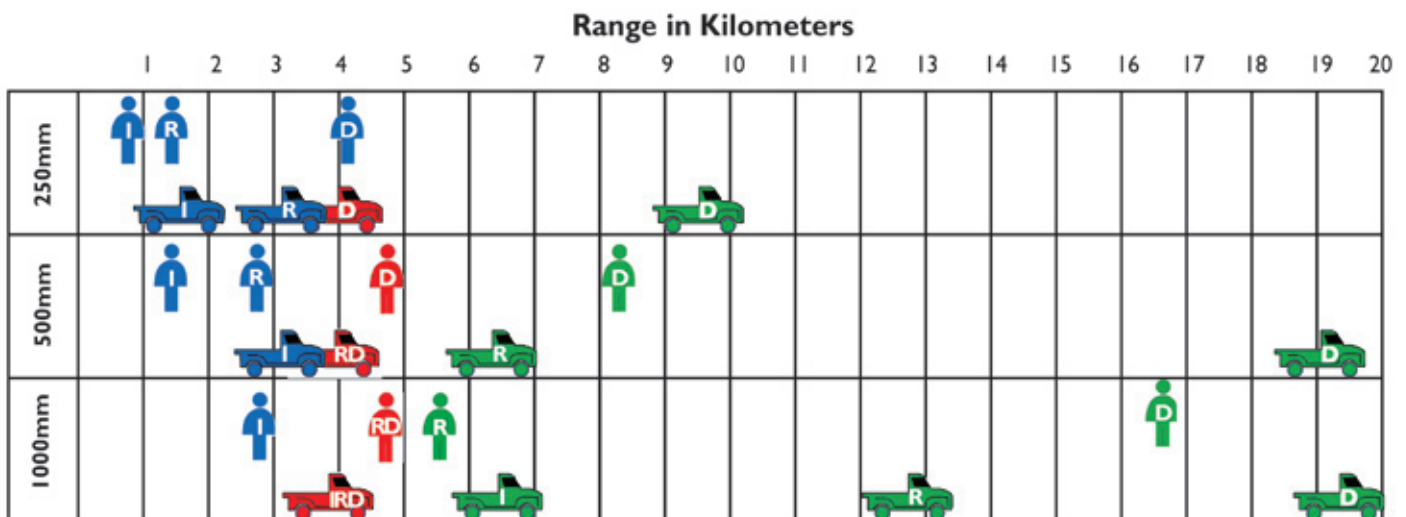
The CAM\IR 3000-250/500/1000 is a commanding solution to the long-range thermal imaging requirements of the security and surveillance sector. A rugged camera with extensive detection capabilities, it combines impressive performance with reliability and ease of use. The CAM\IR 3000-250/500/1000 has the most powerful detection capacity of the CAM\IR 3000 series thermal imagers. It provides man sized target detection at nearly 17km, with identification at 3km in good conditions, as well as the ability to alternate rapidly among three focal lengths (250, 500, and 1000mm). Operating in the 3-5 μ m spectral region, the best choice for marine and high humidity environments, the CAM\IR 3000-250/500/1000 incorporates advanced cooled photodetector technology in a 320 x 256 InSb, 30 μ m pitch focal plane array. The environmentally sealed, nitrogen backfilled enclosure ensures simple secure installation and stability over variable temperatures and conditions. Remotely controlled and user friendly, it employs plug and play operation.

Range Performance

D= Detection
R= Recognition
I = Identification

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

 = Target Size (1 x 1m)
 = Target Size (2.3 x 2.3m)



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System Specifications

Video Format	CCIR601 NTSC or PAL-M
Frame Rate	60 Hz NTSC, 50Hz 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

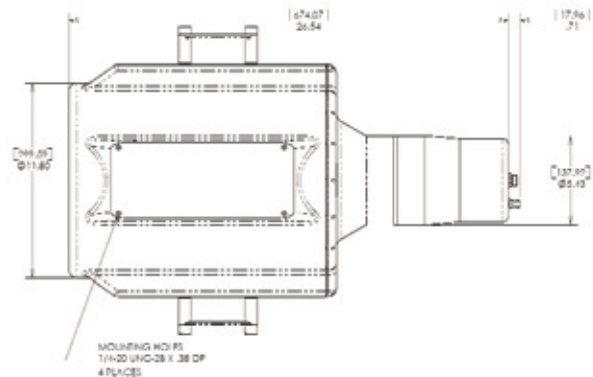
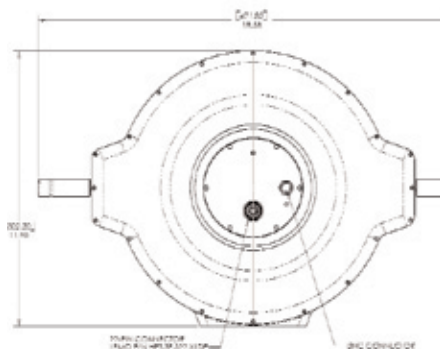
Detector	320 x 256 InSb FPA, 30µ pitch, usable format 320 x 240
Spectral Band	3-5µm
Detector MTBF	>7,500 hours

Optical Characteristics

Type	Tri Field of View 250mm/500mm/1000mm Motorized remote operation, auto and manual focus adjust
F-number	4
Spectral Range	3-5µm
Field of View	2.2° x 1.65° (Wide), 1.10° x 0.83° (Mid), 0.55° x 0.41° (Narrow)
Weight	~38 pounds (17.3kg)

System Integration:

Pan and Tilt, Wireless, Fibre Optic



Model numbers and specifications are subject to change without notice.