

Panoramic Automatic Intruder Detection and Recognition Systems



Key Features:

- Sensors:
 - IR Camera for observation and scanning.
 - CCD Camera for observation and scanning.
 - Laser Range Finder (Optional).
 - Laser Pointer for target marking (Optional).
 - Wide panoramic scan and display.
 - Autonomous 24/7 scan.
 - Ranges from short to very long.
- Note - Does not include the DANIS.

Modes of Operation:

- Scan Mode for Automatic Intruder Detection - Virtual Fence.
- Observation Mode for intruder ID and tracking.

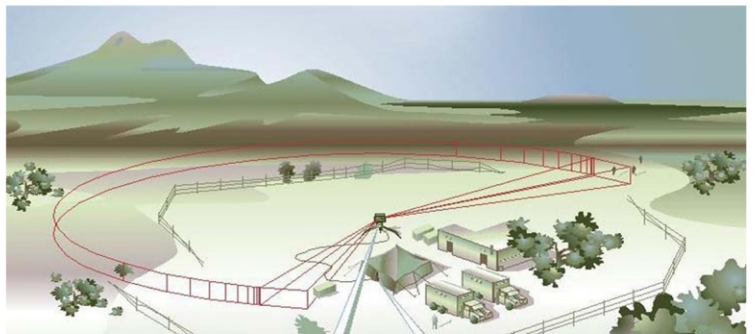
Platforms:

- Installation on poles, towers, aerostats (SPEED-A) etc.

Observation



Panoramic Scanning



LAND EO/IR SYSTEMS

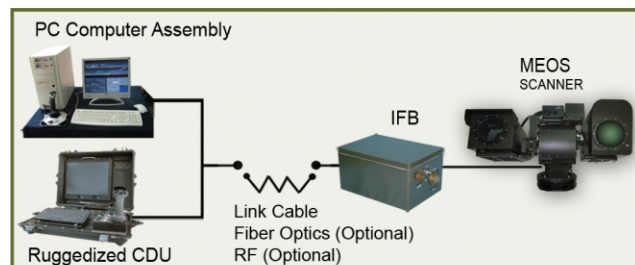
	DANIS	MEOS-U	MEOS-250/450/720	SPIDER	SPEED-LR	SPEED-A
Field of Regard	H: 360° V: -85° to 85°	H: 360° V: -45° to 45°		H: 360° V: -40° to 40°	H: 360° V: -40° to 40°	H: 360° V: -50° to 30° Roll: ± 140°
Weight of Optical Head	10-12 kg	35 kg configuration dependent		46 Kg	65 Kg	22.5 kg
Gyro Stabilization	-	optional		✓ High	✓ Very High	Pitch, Yaw and Roll (3 axes)
IR Camera	8-12µm Uncooled IR	8-12µm Uncooled IR	3-5µm IR	3-5µm IR	3-5µm IR	3-5µm IR
FOV	Options : 60 : 36° - 9° X4 100 : 36° - 6° X6	Options : 225: 23° - 2.8° X9 300: 20° - 2.2° X9	Options : 250: 27° - 2.2° X12.5 450: 27° - 1.2° X22 720: 27° - 0.76° X36 1200: 12.6° - 0.46° X27	27° - 1.2° X22	12.6° - 0.46° X27	18° - 0.8° X23
Zoom Power						
Scanning and Observation Detectors	640x480	640x480	640x512 for both 320x256 optional			480x384 Scanning optional
Day Channel	CCD	CCD	CCD	CCD	CCD	CCD
FOV	56° - 1.8°	56° - 1.8°	Options : 56° - 1.8° X32 13.5° - 0.9° X15 29.6 - 0.58° X50	13.5° - 0.9° X15	13.5° - 0.9° X15 B/W CCD Spotter 0.3° X 0.22° Fixed FOV	13.7° - 0.7° X20
Zoom Power	X32	X32				
Laser Pointer	N.A	N.A	Optional	Optional	Optional	✓
LRF	N.A	✓	✓	✓	✓	✓
Additional info	Short range	Medium range	Medium-Long range Flexible configuration for different cameras	Long range	Very long range	Unique for Aerostats

Applications:

- Security of High-value Sensitive Installations (Airports, Power Plants, Fuel Storage Depots, Oil Refineries, Water Reservoirs, Armed Forces Facilities etc.).
- Coastal Surveillance (including small boat detection, swimmer detection, etc).
- Border Surveillance (smuggling, illegal immigration etc.).
- Perimeter Surveillance.
- Military Bases/Port Security.
- Force Protection and Ground Troops Security.
- Virtual Fence from short to long ranges.

Options:

- Laser Range Finder.
- Laser Pointer (excluding DANIS).
- Control and Display Unit (CDU) options:
 - Ruggedized CDU – for mobile and field applications.
 - Commercial PC CDU – for use in climate controlled room.



DEFSYS SOLUTIONS PRIVATE LIMITED

Ascendas One Hub, Dr Fresh SEZ Sohna Road, Gurgaon 122 102, INDIA
Phone: +91-124-3923200. Email : info@defsys.co.in www.defsys.co.in

DEFSYS reserves the right to change specifications without prior notice

DEFSYS
INTEGRATED SYSTEMS