

SPEED-MR

Automatic Detection and Surveillance Systems



The SPEED-MR is a Land System designed to provide automatic detection, recognition and identification capabilities that were especially developed for diverse land environmental conditions.

The SPEED-MR System provides maximum sensor range performance by using highly sensitive sensors and unique video enhancement algorithms.

CONTROP's SPEED-MR System may be integrated with complimentary components in order to offer a full solution for defense and homeland security (HLS) operational requirements.

Applications

Border Surveillance
Coastal Surveillance
Perimeter Surveillance
Protection of Sensitive Sites
Force Protection



Technical info:

KG	39kg
FL	720mm
KM	25km

FL Thermal Imaging Focal Length

KM Thermal Imaging detection range to NATO target

CONTROP
Turning Vision Into Reality

SPEED-MR

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Features

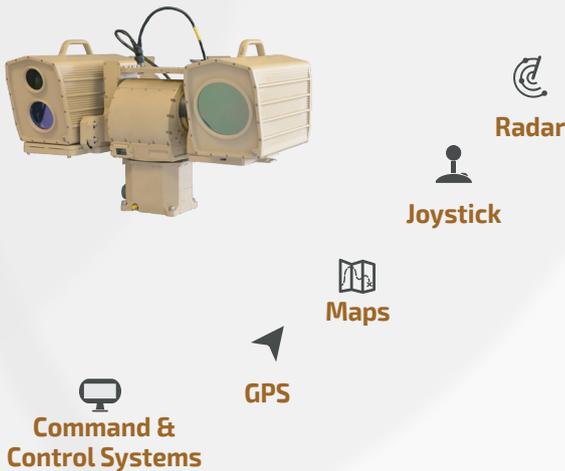
- Target Acquisition
- Automatic Detection
- Multi-Spectral Imaging
- Advanced Image Processing
- Advanced Map Engine
- High Line of Sight (LOS) Stabilization

Optional

- Eyesafe Laser Range Finder (LRF)
- Control & Display Unit (CDU)
- Digital Video Recorder (DVR)
- GPS Compass

Image Processing

- Local AGC
- Video Enhancement
- Automatic Target Tracker



Electro-Mechanical

Field of Regard:	Elevation: -45° to +45°
	Azimuth: 360°xN continuous
Angular Velocity:	60°/sec

Thermal Imaging (TI) Sensor

Sensor Type:	MWIR InSb 3rd Gen FPA
Spectral Range:	3-5 μ m
FPA:	640x512
250mm Option:	
Lens:	Continuous Optical Zoom Lens x12.5
Field of View:	Widest Narrowest
	27° x 20.2° 2.2° x 1.7°
720mm Option:	
Lens:	Continuous Optical Zoom Lens x36
Field of View:	Widest Narrowest
	27° x 20.2° 0.76° x 0.59°

Daylight Channel

Sensor Type:	1/2.8" High res. color CMOS
Lens:	Zoom x27
Field of View:	Widest Narrowest
	63° x 48° 2.3° x 1.8°

SWIR Spotter

Sensor Type:	Staring Array InGAs, Digital
Spectral Range:	0.9-1.7 μ m
FPA:	640x512
Horizontal NFOV:	1° (500mm focal length)

Laser Rangefinder (optional)

Type:	Eyesafe, Class 1
Wavelength:	1.54 μ m
Range:	Up to 20 Km

Physical Characteristics

Weight:	Up to 40kg with sensors
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Electrical Interface

Voltage:	28VDC
Power Consumption:	250 Watt Nominal (300 W Peak)
Video Outputs:	Analog PAL /CCIR

Environmental Conditions

Temperature:	-10° to 55° C (optional - 40° to + 60°)
Humidity:	Up to 95% (non-condensing)

CONTROP reserves the right to change specifications without prior notice