

Ground Surveillance Radar

GR07



BATS GR07 is a high resolution advanced miniature radar for security applications that automatically monitors, detects, (distance and azimuth) measures and alerts regarding moving objects inside a guarded area.

Designed to protect sensitive sites, a cluster of GR07 can be installed, along a fence or on poles, covering the protected area and generating an audio-visual alarm in the central control station whenever an intrusion is identified inside the guarded area.

A PC located in the central control station controls the entire surveillance system.



Features

- The area under surveillance can be divided into areas of interest and areas of non-interest, so that alarms will be generated only if the intrusion is detected inside the areas of interest.
- The GR07 can be combined with a day and night Electro-Optical Sensor that will automatically be directed toward the detected moving target for identification purposes. The radar is a compact, lightweight, and cost-effective security radar that operates around the clock, even in poor weather and under low visibility conditions.

Applications

- Monitoring areas of interest, installed on a fence or on a pole or on a vehicle
- Border protection and ambushes
- Protection and safeguarding sensitive sites such as military bases, border stations
- Airports and harbors
- National resources
- Power stations
- Government buildings and embassies

Specifications

Radar type:	High Resolution Doppler Radar
Frequency:	C-Band
Detection range:	200m for human (extended ranges available)
Azimuth coverage:	40° or 80°
Range accuracy (RMS):	1m
Azimuth accuracy (RMS):	3°
Power, consumption:	12/24 VDC, 20W
Radar connection to controller:	Cable or wireless
Radar weight:	3,5kg (without connecting cable nor PC controller)