

# FD-3 Short Range surveillance Radar

## Features :

- FMCW technology is used
- Light weight, Compact radar
- Fix and 360 rotation selectable
- Detecting moving vehicles and personnel
- Low emission power
- All-weather 24 hours of work
- Strong rejection to ground clutter, Low false alarm rate



## Application field :

- Battlefield surveillance
- Oil pipeline and oil field protection
- Airport security, area protection
- Border monitoring
- Personnel protection
- Dam and reservoir monitoring
- Compatible with electro-optical



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## TECHNICAL SPECIFICATIONS

Detection Range:

Truck : 2Km(RCS=20m<sup>2</sup>)

Light Vehicle :1.5Km (RCS=10m<sup>2</sup>)

Person: 1Km (RCS=1m<sup>2</sup>)

Azimuth Coverage :6°

360°Coverage with rotator

Detection Accuracy:

Range: 3m

Azimuth: 1°

Band: X

Bandwidth: 100MHz

Antenna Beam Width:

Azimuth:7°

Elevation:20°

Transmitter:Fully Solid State Transmitter

TX Output Power:200mW

Interface: Ethernet/RS-232

Power supply:DC 24V

Power consumption:<12W

Dimensions:340×280×60mm

Weight: 4Kg

360°Coverage with rotator

Dimensions:Radar Head:Diameter340×Hight360mm



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