

FD-1 Long Range surveillance Radar

Features :

- FMCW technology is used
- Light weight, Compact radar
- Manual handing or vehicle mounted mobile application
- Detecting moving vehicles and personnel
- Low emission power
- All-weather 24 hours of work
- Strong rejection to ground clutter, Low false alarm rate
- Applicable to all kinds of terrain



Application field :

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



XIAN FEIDA ELECTRONIC TECHNOLOGY CO.,LTD.

www.fdradar.com

Email: feida_radar@126.com

FD-1 Long Range surveillance Radar

TECHNICAL SPECIFICATIONS

Detection Range:

Tank : 24Km(RCS=20m²)

Light Vehicle :15Km (RCS=10m²)

Soldier: 10Km (RCS=1m²)

Azimuth Coverage Scan:Sector Scan Or Circle Scan

Scanning rate: 12°/s, 24°/s

Detection Accuracy:

Range:10m

Azimuth:0.5°

Band: X

Bandwidth:300MHz

Frequency Agility:30 frequency points

Antenna Beam Width:

Azimuth:3.8°

Elevation:8°

Antenna type:Planar Slotted Waveguide Antenna

Transmitter:Fully Solid State Transmitter

TX Output Power:10mW, 100mW, 1W, 2W (switchable, programmable)

Display:10" colored LCD, 1024×768

Interface: Ethernet/RS-232

Power supply:DC 24V

Power consumption:<60W

Dimensions:Radar Head:680×530×160mm

Display/Control Terminal:312×216×100mm

Weight:35Kg



XIAN FEIDA ELECTRONIC TECHNOLOGY CO.,LTD.
www.fdradar.com Email: feida_radar@126.com
TEL:+862988339673 +8613992888943