

# DORUK | 2D

2D Surveillance Radar



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## 2D Surveillance Radar

Doruk 2D radar detects low-RCS, slow-moving ground, maritime, and low-altitude airborne targets even in strong clutter environments, while providing angle, range, RCS, radial velocity, and heading information with Doppler processing and enabling AI-based target classification.

### Specifications

- Multi-target tracking up to 300 targets
- Simultaneous detection & classification
- Track-while-scan capability
- High accuracy and resolution
- Adjustable sector width
- Azimuth Coverage
- Elevation Coverage
- Velocity Detection
- Azimuth Accuracy
- Range Accuracy
- Velocity Accuracy
- Scanning Rate
- Standards Compliance

360°  
20°(Elevation Center is  $\pm 20^\circ$  adjustable)  
2 m/sec to 160 m/sec  
< 0.5°  
< 5 m  
0.2 m/sec to 1 m/sec  
Up to 30 rpm  
MIL-STD-810

### Detection Range

- Small UAV (RCS = 0.01 m<sup>2</sup>)
- Small Boat (RCS = 0.5 m<sup>2</sup>)
- Pedestrian
- Glider (RCS = 1 m<sup>2</sup>)
- Big vehicle, Small Ships (RCS = 1 m<sup>2</sup>)
- Aircraft

$\leq 6$  km  
 $\leq 12$  km  
 $\leq 5$  km  
 $\leq 20$  km  
 $\leq 20$  km  
 $\leq 28$  km



### Coastal and Land Border Surveillance Radar

Radar Navigation Display supports all map formats (naval, ATC, national, and open-source), with inland seas and regions shown in user-friendly colors. All sensors integrate into a control center via standard interfaces, with radar track and control I/O compatible with command systems and W/ECDIS.

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