

# SMART-S | Mk-2

3D SURVEILLANCE RADAR

#Radar



**aselsan**

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## 3D SURVEILLANCE RADAR

SMART-S Mk2, produced by ASELSAN, is a multi-beam 3D naval radar. Having effective performance from medium to long range, SMART-S Mk2 is capable of simultaneously detecting and tracking both surface and air targets.

SMART-S Mk2 radar demonstrates superior performance even in challenging environments that combine adverse geographic conditions (i.e. littoral environment), adverse atmospheric conditions (heavy precipitation, fog etc.), and threats with different characteristics (low and high RCS targets, fast and slow moving targets at varying altitudes simultaneously). It excels in such de-manding scenarios where radar operation is particularly difficult.

By employing multiple solid-state transmit/receive modules and multiple receive channels, SMART-S Mk2 offers graceful degradation which provides a significant advantage for the continuity of operations.



### Technical Features

- S-band
- Solid State Transmit/Receive Modules
- Active Phased Array Antenna
- Integrated IFF Interrogator Antenna
- 250 km Instrumented Range
- 70° Elevation Coverage
- 15-30 rpm Rotation Rates
- 500 Track Capacity
- Electronic Stabilisation
- Extensive Electronic Counter-Counter Measures
- Sector Blanking
- Surface Surveillance Video
- Surface Gunfire Support
- Liquid Cooled
- Above Deck Weight < 1400 kg

Specifications are subject to change without any notice. | All tolerances are within  $\pm 10\%$ .