



# HENSOLDT Quadome Radar

## AESA Naval Air and Surface Surveillance Radar

The new generation AESA Naval Air and Surface Surveillance Radar (Quadome Radar) ushers in a new level of performance. It features state of the art technology and is software-defined, thereby being future proof and minimizing obsolescence for the foreseeable future. The radar builds on the reputation and heritage of the HENSOLDT tactical naval radar family, which has been very successful and has sold over 100 units over a 25 year timespan.

### Operational Advantages

- Simultaneous 3D Air and Surface Surveillance and Defence
- Fast detection and tracking of small, slow and fast air targets for reliable & stable air picture
- Fast track initiation to support longer effector keep-out range

- Threat prioritization to support better threat evaluation and weapon assignment
- High reliability for support of extended and expeditionary missions
- High cyber resilience
- Highly configurable (Software defined)

### Benefits

- Very affordable radar with a second-to-none price – performance ratio
- Latest AESA technology
- Easy to operate and maintain, simple hands-off operation for reduced manning/training/skills
- Free from EU/USA export controls

# AESA Naval Air and Surface Surveillance Radar - Quadome Radar



## Quadome Radar Key Characteristics

Characteristics	Description / Value
Frequency band	C-Band (IEEE designation), G-Band (NATO)
Type	Solid state, 3D surface and air surveillance
Azimuth scan	Mechanical, 360° continuous rotation
Azimuth scan period	4 and 2 seconds
Elevation scan	AESA stacked beam with electronic stabilisation
Maximum elevation	70°
Instrumented range	200 km maximum
Operational modes	Surveillance and Self-Defence
Additional functions	Helicopter and Gunfire Support
Track capacity	> 1000 air and surface tracks
Above-deck mass	< 850 kg including pedestal
Below-deck footprint	2 cabinets, < 850 kg combined mass



Quadome Radar