



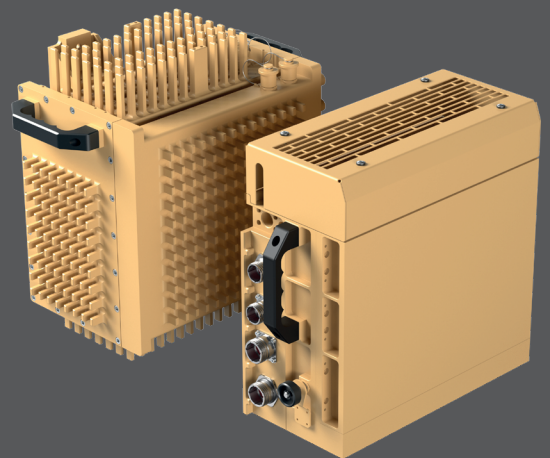
HENSOLDT SPEXER 2000S 3D MkIII Radar

Protecting critical infrastructure, C-UAV, battlefield surveillance

The SPEXER® 2000 radar product family embodies high-performance surveillance including automatic detecting, tracking and classification of ground, sea and air targets. SPEXER 2000 radars are dedicated to detecting small and very small targets moving at various speeds in cluttered environments.

The new generation SPEXER MkIII S extends the existing capabilities with the following features:

- Reduced weight and dimensions
- Increased elevation coverage
- Scan-on-the-move



SPEXER 2000S 3D MkIII Radar - Benefits



Portable radar and flexible installation.



Flexible effector support.



Flexible update rates between seconds and milliseconds during surveillance and target verification. Fast initiation of stable target tracks.



Up to 90° hemispheric coverage.



Covers small and very fast targets (0.8-700 m/s).



360° all-around coverage with three antennas.



Easy to operate with automatic target classification.



Modular conception - flexible number of antennas.



Easy to integrate in Command & Control Systems (via web interface).



Optimised effector engagement thanks to precise target information during on-the-move or stationary operation.



Long-term supply and supportability.

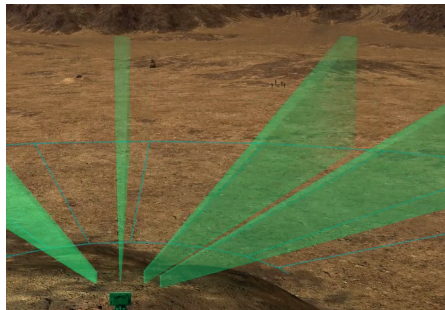


Small-sized radar with SPEXER 2000 quality included.

Applications



C-UAV



Battlefield surveillance



Critical Infrastructure

Technical specification

• Multi-panel AESA antennas	• Electronic counter-countermeasures (ECCM)
• Full coherent pulse-Doppler radar / X-band radar	• Compliance with military standards (MIL-STD-810, MIL-STD-461)
• Spectral-based micro-Doppler target classification	• Input voltage: 24 V DC
• Operation in high-clutter environments (e.g. urban areas, rainy weather)	• Size per antenna: 0.36 m x 0.36 m x 0.16 m
• Track-while-scan for more than 300 targets per 120° sector	• Processing 0.46 m x 0.4 m x 0.31 m
• Weight per antenna 25 kg, processing 30 kg	

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Detect and Protect.

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