ALARIS ANTENNAS

Surveillance Applications

Electronic Surveillance Starts With Knowing Where Signals Come

Alaris Antennas specialises in designing advanced antennas for electronic surveillance applications. Built to deliver exceptional performance in signal interception and monitoring, our antennas are engineered for precision, reliability, and adaptability in the most demanding environments.

Whether for tactical field operations or strategic installations, our range includes high-sensitivity wideband solutions tailored to support modern Electronic Surveillance Measures (ESM). From compact designs to comprehensive systems for air, land, and sea, our antennas ensure seamless integration and optimal performance for your mission-critical needs.

Why our antennas perform

- Broadband, Multi-Element Arrays
- Designed for Real Environments
- Low SWaP Options for Tactical Use
- Algorithmal Compatibility

What this mean for YOUR MISSION

Our antennas accelerate decision-making, improve positional accuracy, and increase confidence in contested environments where misidentification or delayed intelligence compromises mission success.

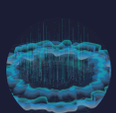
What our antennas enable

Emitter Location & Tracking

High-integrity AoA measurements enable triangulation and real-time geolocation.

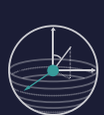
Spectrum Awareness in Complex Environments

Maintain visibility in dense, multipath-rich areas such as urban terrain.



Data-Driven Intelligence fo Operational Decisions

Transform raw RF data into actionable intelligence with the precision and reliability critical operations demand.



Accurate AoA Measurement

Detect and classify RF emitters across broad bandwidths.

Scan for more info

Visit antennas.alaris.tech

A SUBSIDIARY OF ALARIS THE RF TECHNOLOGY GROUP

ALARIS ANTENNAS

Visit antennas.alaris.tech

Form Factor						
Product code	**DF-A0062**	**DF-A0095**	**OMNI-A0098**	**DF-A0115**	**OMNI-A0258**	**DF-A0111**
Frequency range	20 – 6000 MHz	1 – 6000 MHz	Band A: 20 – 1000 MHz Band B: 1000 – 6000 MHz	1 – 30 MHz	Band A: 20 – 1000 MHz Band B: 1000 – 9000 MHz	20 - 6000 MHz
Antenna Type	5-element DF interferometer	N/A	Vertically polarised omnidirectional	HF NVIS	Vertically polarised omnidirectional	Vertically polarised omnidirectional
DF Method	Phase interferometry	Correlative interferometer	N/A	Single Site Location (SSL) interferometric	N/A	Watson-Watt or 3-channel CIDF
Channels per band	< 2.25 W	Feed: 0.25 W (receive only)	Input current: < 150 mA	Feed Power: 1000W	Input current: < 150 mA	< 1 W (noise source and compass off)
Installation	Fixed	Mobile mast-mounted	Vehicle-mount & mast-mount	Fixed	Vehicle-mount & mast-mount	Vehicle-mount & mast-mount
Mass (kg)	Antenna: 60kg incl. container: 135kg	33 kg	< 8.5 kg	< 60 kg	< 8.5 kg	8.5 kg
Operating Temp.	N/A	N/A	-40 °C to +71 °C	-30 °C to +55 °C	-40 °C to +65 °C	N/A
Connector	20 x TNC male 1 x N male	N/A	N-type female	N-type (female) 4-way circular	N-type female	N/A
More info						