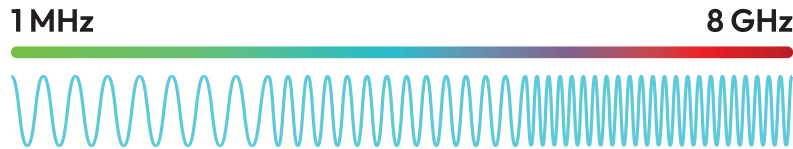




Silent Intelligence for Tactical Superiority

In tactical operations, speed and stealth determine mission success. Alaris tactical DF antennas enable forces to intercept enemy communications, track hostile positions, and maintain situational awareness, all while preserving operational security. Purpose-built for demanding field environments, our low SWaP systems deliver the sensitivity, accuracy, and mobility that special operations, border security, and counter-insurgency missions demand.

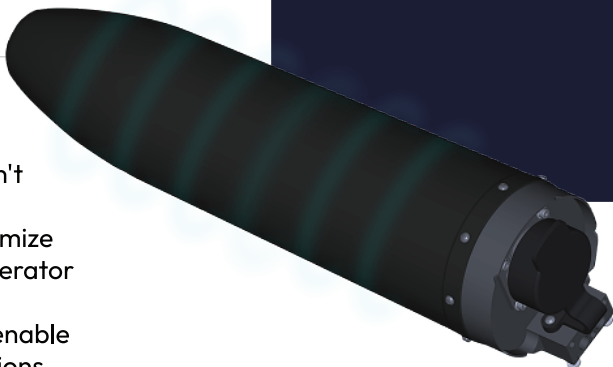


Wide Frequency Coverage for Diverse Threats

Our tactical DF antennas cover frequencies from 20 MHz to 8 GHz, ensuring you can detect and locate signals across the electromagnetic spectrum. Multi-band capability allows a single antenna system to address multiple threat types.

Low SWaP for Maximum Mobility

Tactical operations demand equipment that doesn't slow down the operator. Our man-portable DF antennas (like the DF-A0245 and DF-A0269) minimize size, weight, and power consumption, reducing operator burden and detection risk while maintaining DF accuracy. Collapsible, quick-deployment designs enable rapid setup and stowage for on-the-move operations.



What our antennas enable



Multiplicative Effects

Effective jamming slows enemy reactions, disrupts tactics, and degrades targeting - producing effects that far exceed resources employed.



Rapid Emitter Geolocation in Dynamic Environments

Rapidly locate enemy command posts, observation positions, and mobile transmitters. Track adversary positions and movements in real-time.





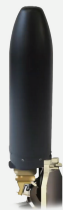



Border Security

Geolocate smuggler and trafficker communications. Track movements, identify routes, and disrupt illegal border activities.

Scan for more info



Form Factor						
Product code	DF-A0300	DF-A0390	DF-A0048-01	DF-A0257	DF-A0303	DF-A0269
Frequency range	Band 1: 20 – 300 MHz; Band 2: 300 – 1000 MHz; Band 3: 1000 – 3000 MHz	1 - 200 MHz	1 – 30 MHz	20 - 6000 MHz	20 - 8000 MHz	400 – 8000 MHz
DF Accuracy (typical)	N/A	2° RMS	< 3° RMS	< 5°	< 3°	< 3°
Dimensions	2.9m x 2.6 m (h x diameter)	< 1800 mm x 830 mm (h x diameter)	∅ 1560 mm diameter 2675 mm height 7260 mm guy rope distance	101mm x 480mm	101mm x 480mm	101mm x 480mm
DF Method	Correlative interferometry	4-channel CDF	Watson-Watt or 3-channel CDF		4-channel correlative DF (CDF)	
Installation	Fixed & mast mounted	Transportable Quadpod mount	Transportable	Low SWaP man-pack	Low SWaP man-pack	Low SWaP man-pack
Mass (kg)	< 47 kg	< 20 kg	< 16 kg	1.2 kg (incl. bracket)	1.2 kg (incl. bracket)	1.2 kg (incl. bracket)
Operating Temp.	-30 °C to +70 °C	-30°C to +70°C	-30 °C to +55 °C	-30 °C to +70 °C	-30 °C to +70 °C	-30 °C to +70 °C
Power	< 2.25 W 13 – 24 VDC	N/A	Receive only Power handling	Supply: 6 - 18 V DC Consumption: < 3W	Supply: 6 - 18 V DC Consumption: < 3W	Supply: 6 - 18 V DC Consumption: < 3W
More info	