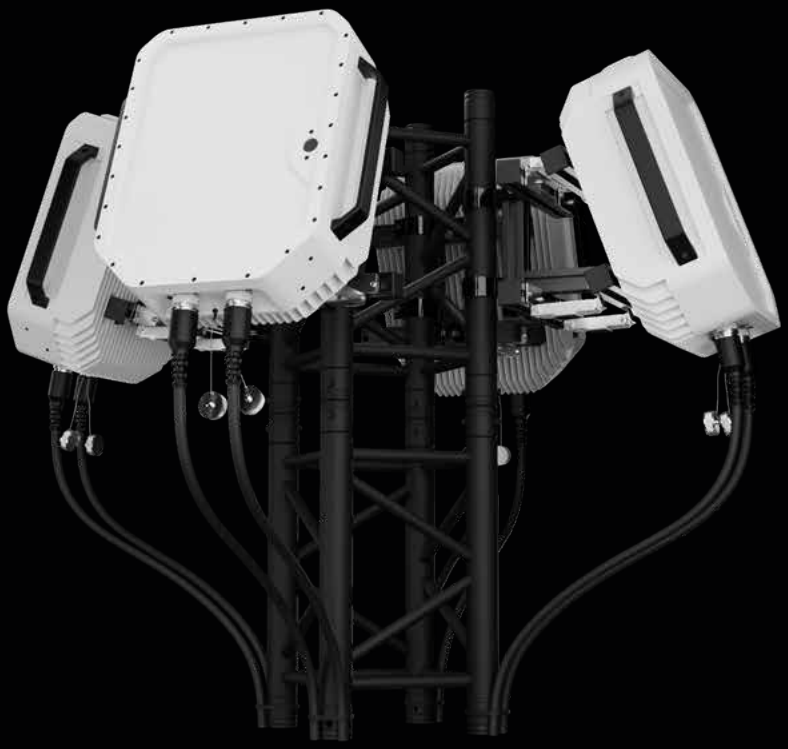
AARTOS™

AARONIA

C-UAS & EW SOLUTIONS



TECHNICAL DATASHEET

RD 3000

AARONIA AG

WWW.AARONIA.DE

MADE IN GERMANY

Performance

Instrumented Range	20 km (mission defined)
Field of View	130° azimuth x 90° elevation
Track Accuracy	<0.5° azimuth x <0.5° elevation
Frequency (Ku-Band/Multi-Channel)	15.4 -15.7 GHz Band 1 (RadioNavigation) 15.7 -16.6 GHz Band 2 (Radiolocation)
Vehicle Detection Range	>11 km
Human Detection Range	> 8 km
Matrice 600 Detection Range	> 6 km
Phantom 4 Detection Range	> 3 km

SWaP and Environmental

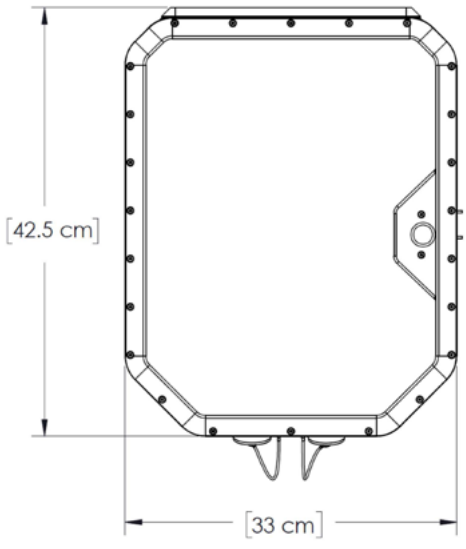
Size	42.5 cm x 33 cm x 18 cm
Weight	17.8 kg
Power	DC+20V to +48V
Operating	<250 W (Max duty cycle) MIL-STD-1275 compatible
Operating Temp	-40° C to +65° C
Environmental	MIL-STD-810 H
Ingress	IP66

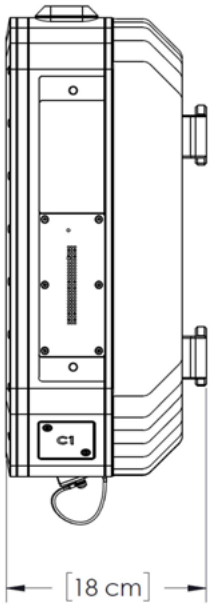
Counter-UAS Mission Profile

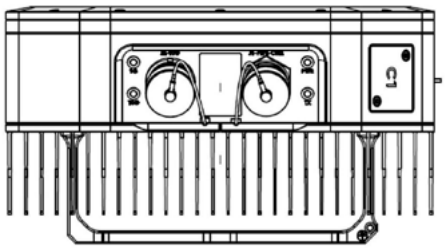
Scan Volume	User configurable
UAS mean tracking ranges	Group 1 (-20 to -10 dBsm) 2.7 km to 4.8 km Group 2 (-10 to -5 dBsm) 4.8 km to 6.4 km Group3 (-5to5dBsm) 6.4km to 11.4km
Maximum Active Tracks	High priority objects >40 Low priority objects >1,000

Integration and Data

Control I/O	Gigabit Ethernet
Power I/O	MIL-STD-38999 Style Bayonet
Data Output Ports	10 Gbps Ethernet: Range-Doppler spectrograms, 1 Gbps Ethernet: Detections, Measurements, Tracks, RadarStatus
Mounting	4x M6 200 mm bolt pattern







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