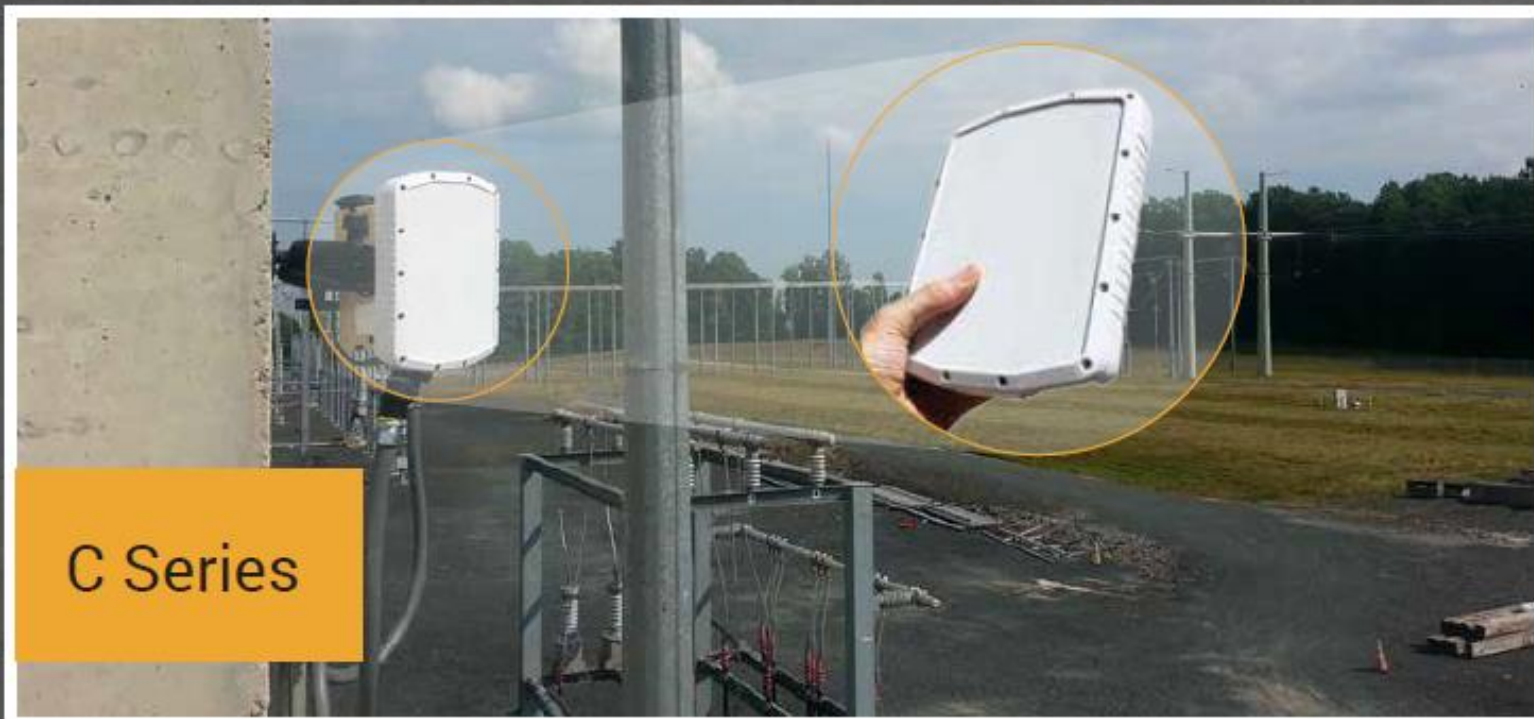


Ground & Over-Water Radar



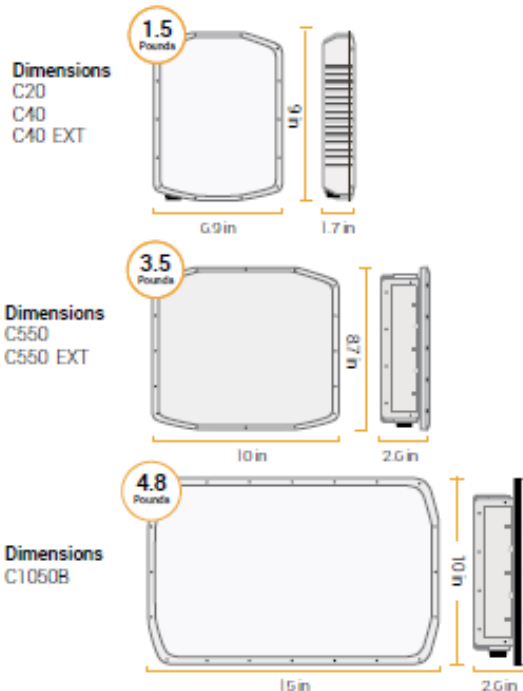
GROUND RADAR COVERAGE COMPARISON



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Compact Surveillance Radar



General Specifications

SCAN RATE	Up to 8 times per second
UPDATE RATE	Up to 8 times per second
OUTPUT DATA	GPS coordinates, velocity, RCS, range, time angle, heading, accuracy, and duration
OUTPUT PROTOCOL (PLATFORM)	JSON, XML, KML, Google Earth, NetworkedIO
INTERFACE	Ethernet (Web UI or API)
PHYSICAL INTERFACE	Passive PoE through IP67 RJ45 connector, 10/100 Mbps
RUGGED/WATERPROOF	IP67/NEMA 6P compliant
SETUP TIME	Less than 10 minutes using Web UI

CE Compliant

CE COMPLIANT	
C20D	
C40D	YES
C40D-EXT	YES
C550C	YES
C550C-EXT	YES
C1050B	

NOTE: SEEK JURISDICTIONAL APPROVAL IN THE REGION BEING IMPLEMENTED

C-Series	C20D	C40D / C40D-EXT	C550C / C550C-EXT	C1050B
DETECTION RANGE	Walker: 10 250 m Vehicle: 10 400 m	Walker: 20 450 m / 20 600 m Vehicle: 20 600 m / 20 850 m	Walker: 30 850 m / 30 1,050 m Vehicle: 30 1,250 m / 30 1,500 m	Walker: 35 1,400 m Vehicle: 35 2,000 m
COVERAGE AREA	250 m x 325 m - 15 acres	450 m x 350 m - 30 acres 600 m x 425 m - 50 acres	850 m x 750 m - 125 acres 1,050 m x 850 m - 170 acres	1,400 m x 1,100 m - 380 acres
EFFECTIVE FIELD OF VIEW	Horizontal: 120 degrees Vertical: 20 degrees	Horizontal: 90 degrees Vertical: 20 degrees	Horizontal: 90 degrees Vertical: 20 degrees	Horizontal: 90 degrees Vertical: 20 degrees
ANGULAR ACCURACY	Within 90° FOV: ±3 degrees Within 120° FOV: ±5 degrees	±3 degrees	±3 degrees	±3 degrees
RANGE RESOLUTION	1.5 meter	3 meters	3 meters	3.75 meters
SIMULTANEOUS TRACKS	20	20	30	30
SYSTEM POWER	5-9 W @ 12-30 VDC depending on duty cycle	5-9 W @ 12-30 VDC depending on duty cycle	8-13 W @ 12-30 VDC depending on duty cycle	20-24 W @ 18-30 VDC depending on duty cycle
TEMPERATURE RANGE	30° C to 65° C 22° F to 149° F	30° C to 65° C 22° F to 149° F	30° C to 65° C 22° F to 149° F	40° C (IP67 Rate) to 55° C (IP55 Rate) 40° F to 131° F
FREQUENCY	10 10.6 GHz FCC Certified	10 10.6 GHz FCC/CE Class B/RED Certified	10 10.6 GHz FCC Certified	10 10.6 GHz FCC Certified

Applications

Airports
Borders
Bridges
Commercial
Construction
Dams
Data Centers

Estates
Events
Farms
Fences
Fish Farms
Government
High Security

Military
Mines
Nuclear Power
Oil facilities
Parking Structures
Pipelines
Power Plants

Prisons
Railways
Residential
Seaports
Service Centers
Solar Farms
Stations

Substations
UAV Drones
Virtual Fences
Water Treatment
Windmills