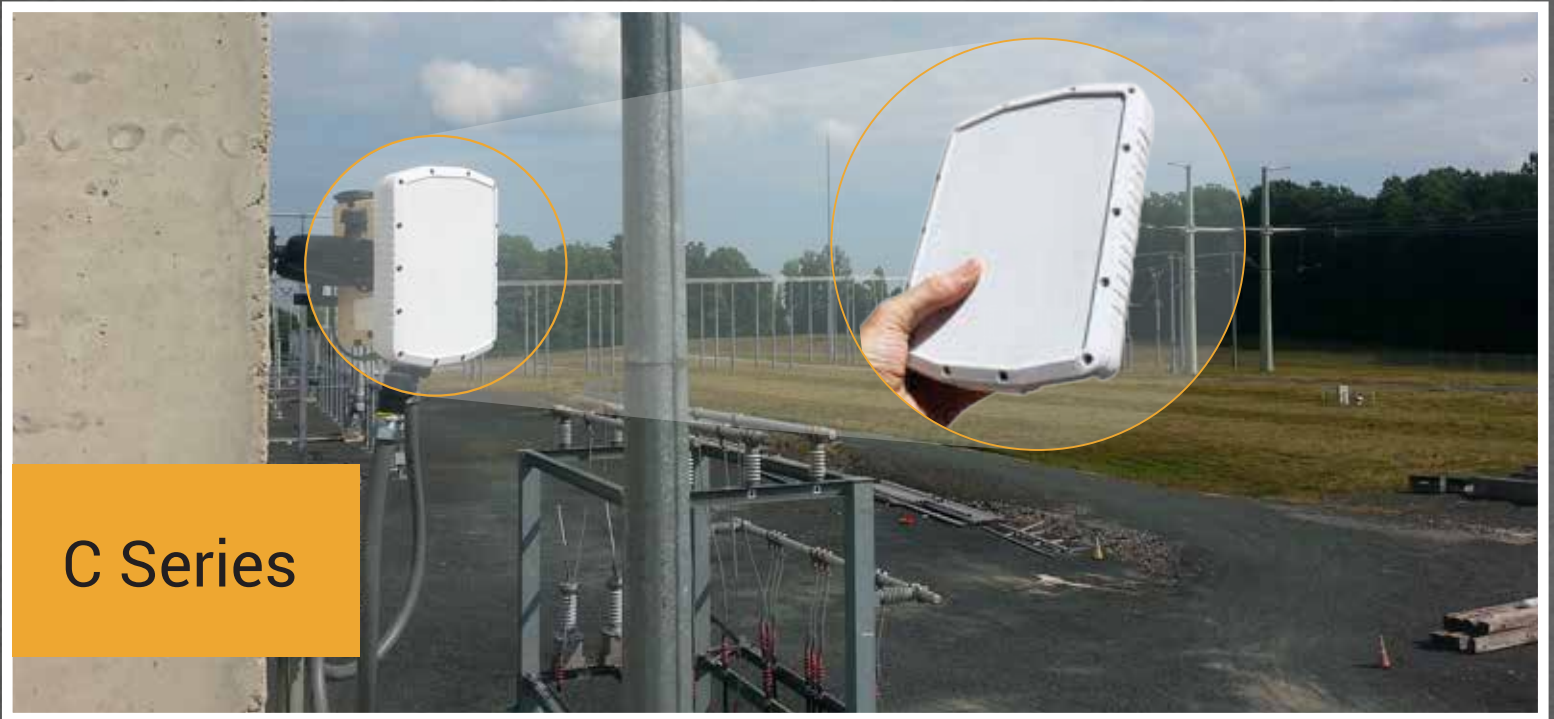


# Ground & Over-Water Radar



## GROUND RADAR COVERAGE COMPARISON

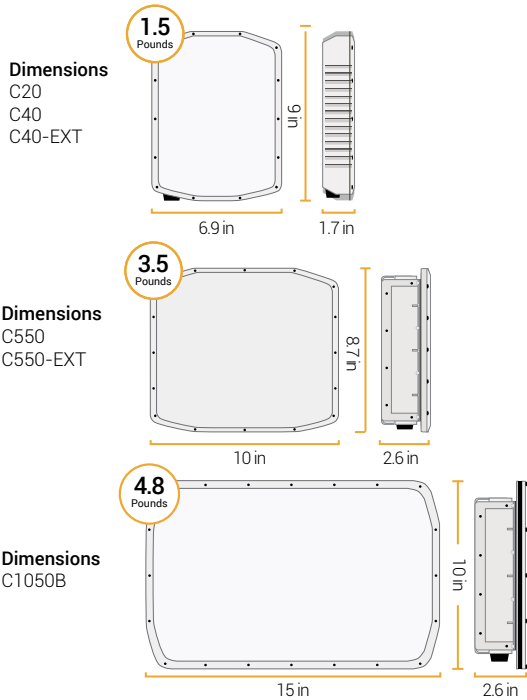


FOR MORE INFORMATION, CONTACT:  
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801-742-5849  
spotterrf.com

Protection Beyond Fences



# Compact Surveillance Radar



General Specifications		CE Compliant
SCAN RATE	Up to 8 times per second	CE COMPLIANT
UPDATE RATE	Up to 8 times per second	C20D
OUTPUT DATA	GPS coordinates, velocity, RCS, range, time angle, heading, accuracy, and duration	C40D YES
OUTPUT PROTOCOL (PLATFORM)	JSON, XML, KML, Google Earth, NetworkedIO	C40D-EXT YES
INTERFACE	Ethernet (Web UI or API)	C550C
PHYSICAL INTERFACE	Passive PoE through IP67 RJ45 connector, 10/100 Mbps	C550C-EXT
RUGGED/WATERPROOF	IP67/NEMA 6P compliant	C1050B
SETUP TIME	Less than 10 minutes using Web UI	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

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