

# Ground & Over-Water Radar

## C RADAR SERIES

### GROUND RADAR COVERAGE COMPARISON

Radar  
Location



**C20D**

15 acres  
250 x 325 m

**C40D**

30 acres  
450 x 350 m

**C40D-EXT**

50 acres  
600 x 425 m

**C550C**

125 acres  
850 x 750 m

**C550C-EXT**

170 acres  
1050 x 850 m

**C1050B**

300 acres  
1,400 x 1,100 m

FOR MORE INFORMATION CONTACT:

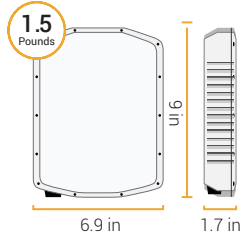
[sales@spotterrf.com](mailto:sales@spotterrf.com)  
801-742-5849  
[spotterrf.com](http://spotterrf.com)

Protection Beyond Fences

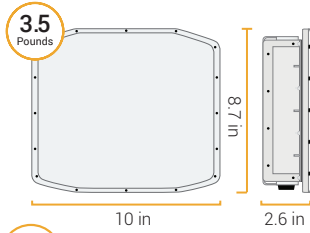


# Compact Surveillance Radar

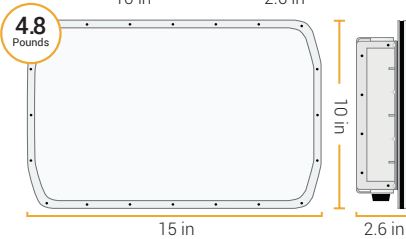
**DIMENSIONS**  
C20  
C40  
C40D-EXT



**DIMENSIONS**  
C550  
C550-EXT



**DIMENSIONS**  
C1050B



## 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, NetworkIO
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	
C550C-EXT	
C1050B	
NOTE: SEEK JURISDICTIONAL APPROVAL IN THE REGION BEING IMPLEMENTED	

C Series Specifications	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 = 300 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° Within 120° FOV: ±5°	±3°	±3°	±3°
RANGE RESOLUTION	1.5 meter	3 meter	3 meter	3.75 meter
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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