

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:

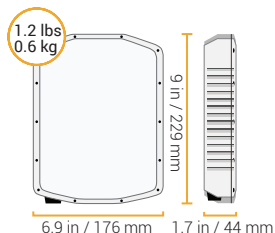
sales@spotterrf.com
801-742-5849
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Protection Beyond Fences

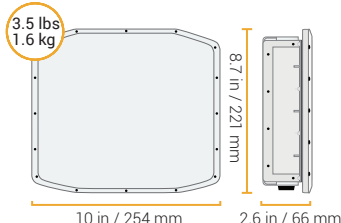


Compact Surveillance Radar

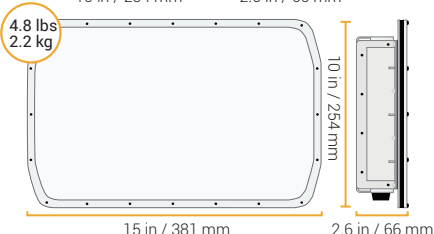
DIMENSIONS C20 C40 C40D-EXT



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, 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

CLASS B* RED**

C20D

C40D YES YES

C40D-EXT YES YES

C550C

C550C-EXT

C1050B

NOTE: SEEK JURISDICTIONAL APPROVAL IN THE REGION BEING IMPLEMENTED

* CE RESIDENTIAL COMPLIANCE STANDARDS
** EU RADIO EQUIPMENT DIRECTIVE COMPLIANCE

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	-40° C to 65° C -40° F to 149° F	-40° C to 65° C -40° F to 149° F	-40° C to 65° C -40° F to 149° F	LOW TEMP -40° C to 40° C (IP67 Rate) HIGH TEMP -40° C to 55° C (IP55 Rate)
FREQUENCY	10 - 10.5 GHz FCC Certified	10 - 10.5 GHz FCC Certified 10.5-10.6 GHz CE Class B/RED Certified	10 - 10.5 GHz FCC Certified	10 - 10.5 GHz FCC Certified
CONNECTOR TYPE	GTC RJ45*	FCC Radars - GTC RJ45* CE Radars - Souriau PQT	GTC RJ45*	GTC RJ45*

* Can be changed from GTC RJ45 to Souriau PQT by special request

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



FOR MORE INFORMATION CONTACT:
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