

Ground & Over-Water Radar



C RADAR SERIES

GROUND RADAR COVERAGE COMPARISON

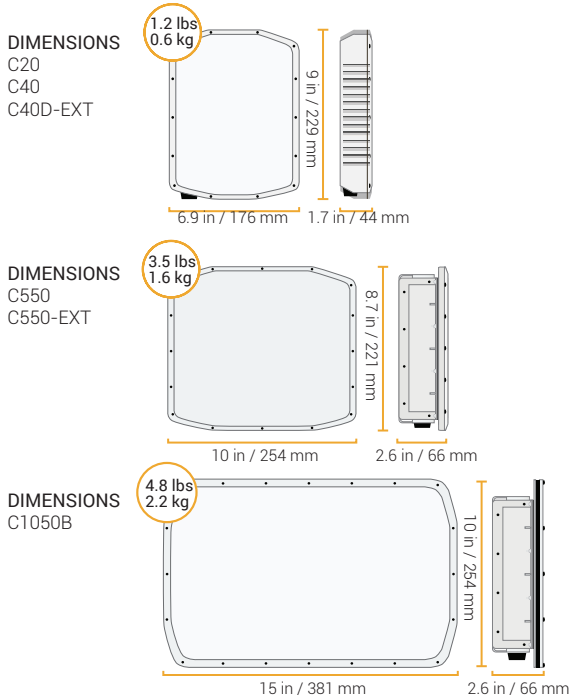


FOR MORE INFORMATION CONTACT:
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Protection Beyond Fences



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		
	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	-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	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

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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