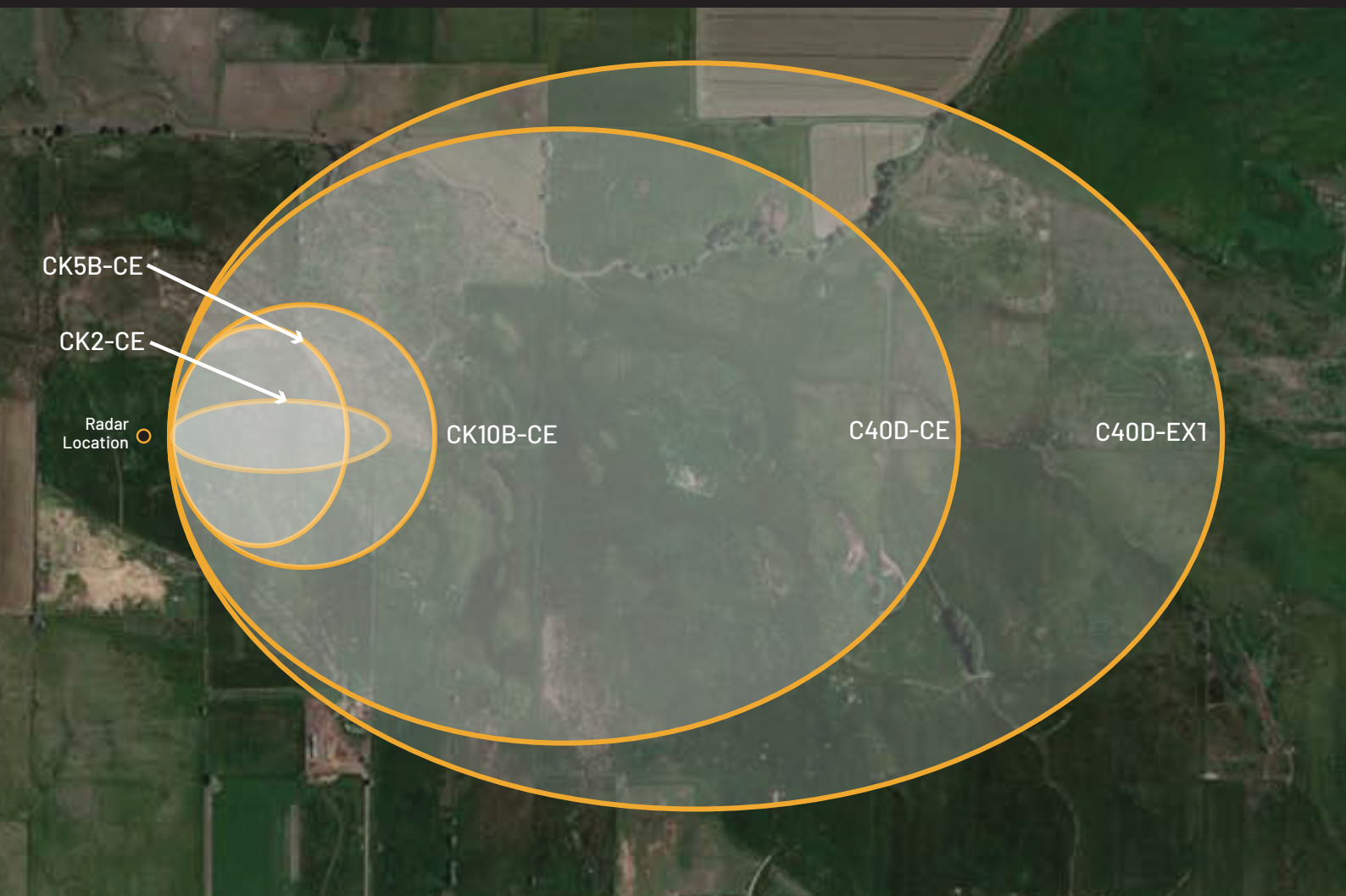


# CE RADAR DATASHEET

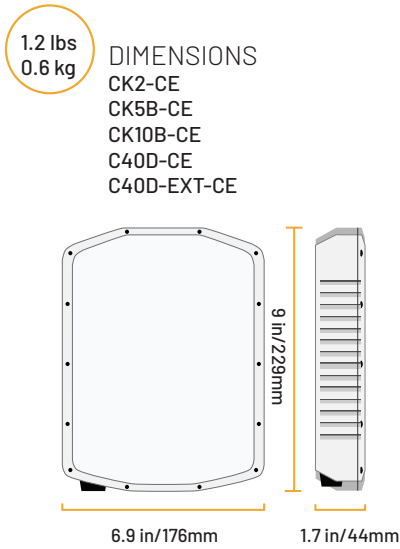


CE RADAR SERIES

## GROUND RADAR COVERAGE COMPARISON



# 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	CLASS B*	RED**
CK2	YES	YES	YES
CK5	YES	YES	YES
CK10	YES	YES	YES
C40D-CE C40D-EXT-CE	YES	YES	YES
UNLICENSED OPERATION (ALL)			
* CE Residential Compliance Standards ** EU Radio Equipment Directive Compliance			

CK Series Specifications	CK2-CE	CK5B-CE	CK10B-CE	C40D-CE	C40D-EXT-CE
DETECTION RANGE	Walker: 5-125 m Vehicle: 5-175 m	Walker: 5-100 m Vehicle: 5-175 m	Walker: 5-150 m Vehicle: 5-200 m	Walker: 20-450 m Vehicle: 20-600 m	Walker: 20-600 m Vehicle: 20-850 m
COVERAGE AREA	125 m x 40 m = 1 acre	100 m x 125 m = 2.5 acres	150 m x 150 m = 4.4 acres	450 m x 350 m = 30 acres	600 m x 425 m = 50 acres
EFFECTIVE FIELD OF VIEW	Horizontal: 10° Vertical: 10°	Horizontal: 100° Vertical: 10°	Horizontal: 90° Vertical: 10°	Horizontal: 90° Vertical: 20°	Horizontal: 90° Vertical: 20°
ANGULAR ACCURACY	±3°	±3°	±3°	±3°	±3°
RANGE RESOLUTION	1 meter	1 meter	1 meter	3 meter	3 meter
SIMULTANEOUS TRACKS	10	10	20	20	20
SYSTEM POWER	5-7 W @ 20-48 VDC Depending on duty cycle	5-7 W @ 20-48 VDC Depending on duty cycle	5-7 W @ 20-48 VDC Depending on duty cycle	5-9 W @ 20-48 VDC Depending on duty cycle	5-9 W @ 20-48 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	-40° C to 65° C -40° F to 149° F	-40° C to 65° C -40° F to 149° F
FREQUENCY	24.0 to 24.25 GHz FCC & ETSI Unlicensed Band	24.0 to 24.25 GHz FCC & ETSI Unlicensed Band	24.0 to 24.25 GHz FCC & ETSI Unlicensed Band	10 to 10.5 GHz FCC & ETSI Unlicensed Band	10 to 10.5 GHz FCC & ETSI Unlicensed Band

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

