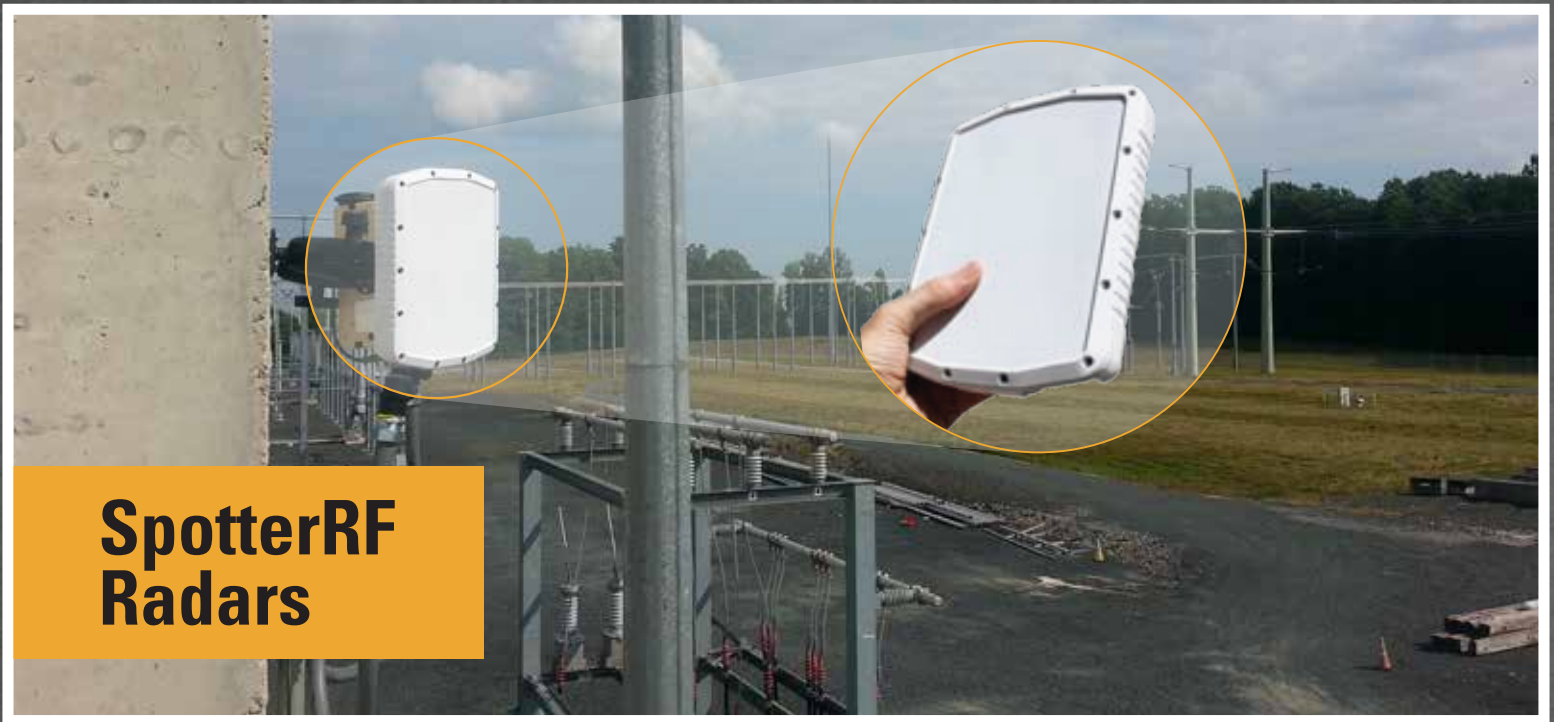
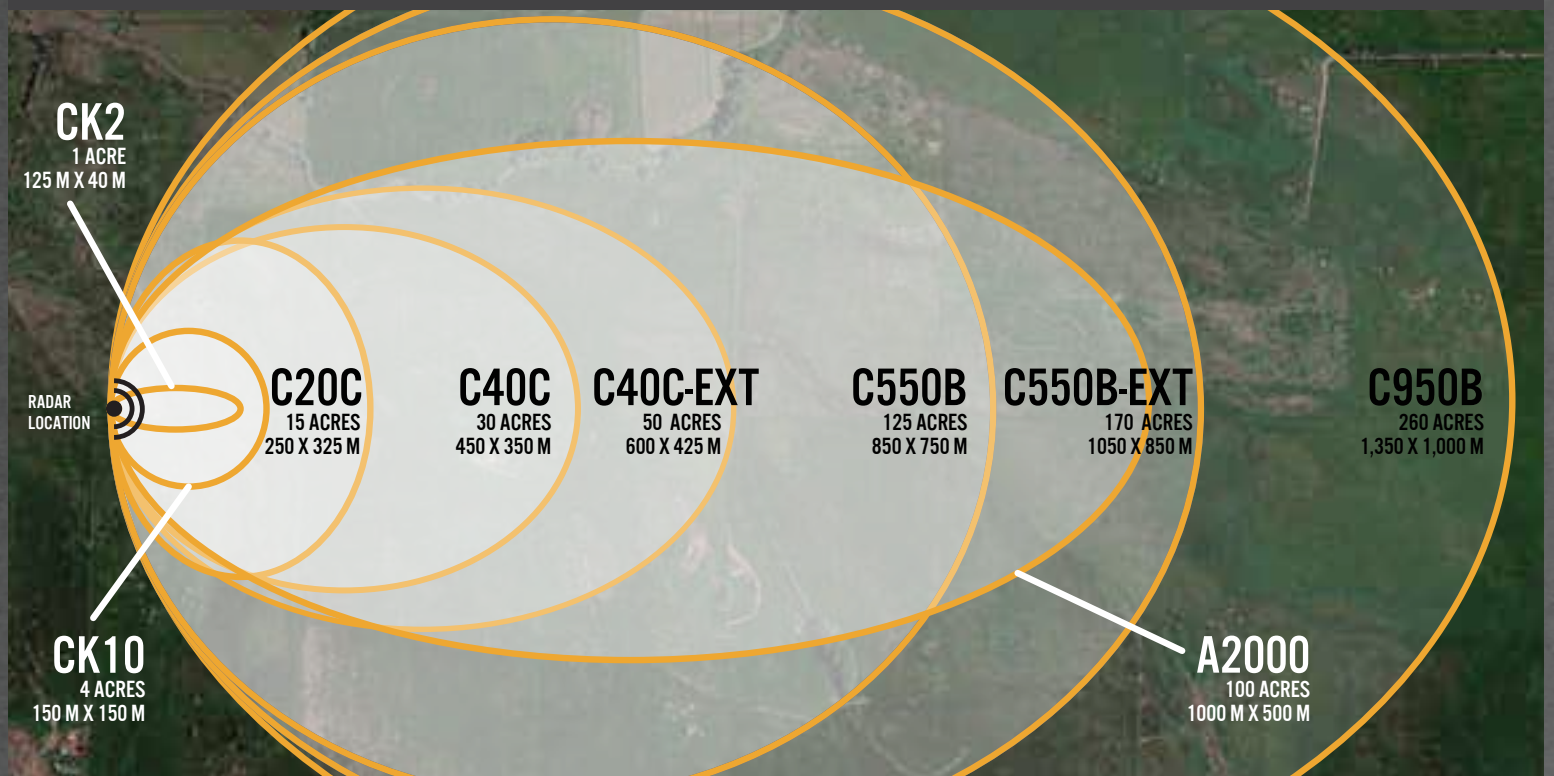


COMPACT SURVEILLANCE RADAR



RADAR COVERAGE COMPARISON



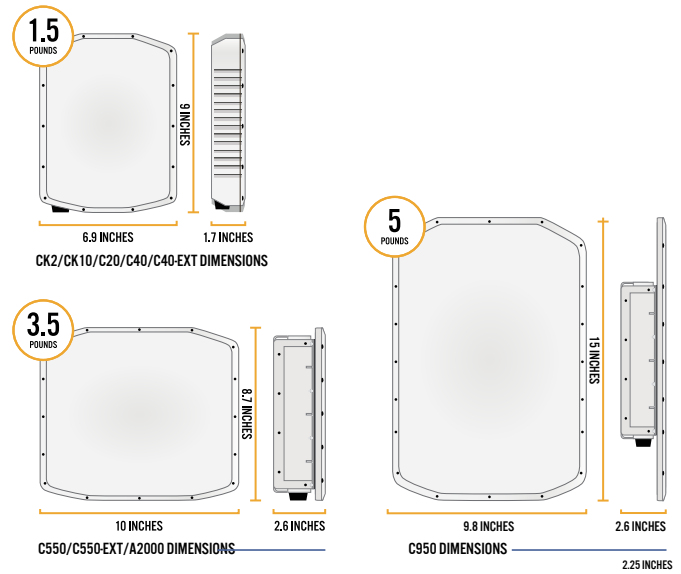
FOR MORE INFORMATION, CONTACT:
solutions@istccorp.com
istccorp.com



COMPACT SURVEILLANCE RADAR

GENERAL SPECIFICATIONS

SCAN RATE	Up to 8 times per second
UPDATE RATE	Up to 2 times per second
OUTPUT DATA	GPS coordinates, velocity, RCS, range, angle, time, and duration of moving targets
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	10 minutes using Web UI



C SERIES

10–10.6 GHz, FCC certified
-30° C to 65° C, -22° F to 149° F

	C20C	C40C / C40C-EXT	C550B / C550B-EXT	C950B
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: 35-1,350 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	1,350 m x 1,000 m = 260 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: 10 degrees
ANGULAR ACCURACY	Within 90° FOV: ±3 degrees Within 120° FOV: ±10 degrees	±3 degrees	±3 degrees	±3 degrees
RANGE RESOLUTION	1.5 meter	3 meters	3 meters	4 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	8–13 W @ 12–30 VDC depending on duty cycle

CK SERIES

24.0 to 24.25 GHz FCC & ETSI Unlicensed Band
-30° C to 65° C, -22° F to 149° F

	CK2	CK10
DETECTION RANGE	Walker: 5-125 m Vehicle: 5-175 m	Walker: 5-150 m Vehicle: 5-200 m
COVERAGE AREA	125 m x 40 m = 1 acre	150 m x 150 m = 4 acres
EFFECTIVE FIELD OF VIEW	Horizontal: 40 meters Vertical: 15 degrees	Horizontal: 90 degrees Vertical: 15 degrees
ANGULAR ACCURACY	±3 degrees	±3 degrees
RANGE RESOLUTION	1 meter	1 meter
SIMULTANEOUS TRACKS	10	20
SYSTEM POWER	7-8.5 W @ 12–30 VDC depending on duty cycle	7-8.5 W @ 12–30 VDC depending on duty cycle

A SERIES

10–10.6 GHz, FCC certified
-30° C to 55° C, -22° F to 131° F

	A2000
DETECTION RANGE	Small Quadcopter: 40-1,000 m
COVERAGE AREA	1000 m x 500 m = 100 acres
EFFECTIVE FIELD OF VIEW	Horizontal: 45 degrees Vertical: 15 degrees
ANGULAR ACCURACY	±3 degrees
RANGE RESOLUTION	3 meters
SIMULTANEOUS TRACKS	20
SYSTEM POWER	24-28 W @ 12–30 VDC

For more information contact

solutions@istccorp.com

