



## RADAR COVERAGE COMPARISON



# Wide Area Surveillance Radar Series

Wide area Radar Series	C20B	C40B / C40B-EXT	C550B / C550B-EXT	C950B
Max Range	Pedestrian: 150 m Vehicle: 350 m	Pedestrian: 350 m / 550 m Vehicle: 500 m / 750 m	Pedestrian: 850 m / 1,050 m Vehicle: 1,250 m / 1,500 m	Pedestrian: 1,350 m Vehicle: 2,000 m
Coverage Area	150 m x 175 m = 2 200 m <sup>2</sup>	350 m x 300 m = 80 900 m <sup>2</sup> 550 m x 450 m = 202 300 m <sup>2</sup>	850 m x 750 m = 566 500 m <sup>2</sup> 1,050 m x 850 m = 708 200 m <sup>2</sup>	1,350 m x 1,000 m = 1,05 km <sup>2</sup>
Effective Field of View	Horizontal: 120 ° Vertical: 20 °	Horizontal: 90 ° Vertical: 20 °	Horizontal: 90 ° Vertical: 20 °	Horizontal: 90 ° Vertical: 10 °
Measurement Accuracy (Azimuth)	Within 90° FOV: ±3° Within 120° FOV: ±10°	±3°	±3°	±3°
Measurement Accuracy (Range)	1 m	3 m	3 m	4 m
Scan Rate	Up to 7 times per second	Up to 7 times per second	Up to 7 times per second	Up to 7 times per second
Update Rate	Up to 2 times per second	Up to 2 times per second	Up to 2 times per second	Up to 2 times per second
Simultaneous Tracks	20	20	30	30
Output Data	GPS coordinates, velocity, RCS, range, angle, time, and duration of moving targets.	GPS coordinates, velocity, RCS, range, angle, time, and duration of moving targets.	GPS coordinates, velocity, RCS, range, angle, time, and duration of moving targets.	GPS coordinates, velocity, RCS, range, angle, time, and duration of moving targets.
Output Protocol/Platform	JSON, XML, KML, Google Earth, NetworkedIO	JSON, XML, KML, Google Earth, NetworkedIO	JSON, XML, KML, Google Earth, NetworkedIO	JSON, XML, KML, Google Earth, NetworkedIO
Transmit Frequency	10–10.6 GHz	10–10.6 GHz	10–10.6 GHz	10–10.6 GHz
Interface	Ethernet (Web UI or API)	Ethernet (Web UI or API)	Ethernet (Web UI or API)	Ethernet (Web UI or API)
Physical Interface	Passive PoE through IP67 RJ45 connector, 10/100 Mbps	Passive PoE through IP67 RJ45 connector, 10/100 Mbps	Passive PoE through IP67 RJ45 connector, 10/100 Mbps	Passive PoE through IP67 RJ45 connector, 10/100 Mbps
Rugged/Waterproof	IP67/NEMA 6P compliant	IP67/NEMA 6P compliant	IP67/NEMA 6P compliant	IP67/NEMA 6P compliant
Temperature Range	-30° C to 65° C	-30° C to 65° C	-30° C to 65° C	-30° C to 65° C
System Power	6–10 Watts @ 12–30 VDC depending on duty cycle	6–10 Watts @ 12–30 VDC depending on duty cycle	8–13 Watts @ 12–30 VDC depending on duty cycle	8–13 Watts @ 12–30 VDC depending on duty cycle

## COMPACT RF SENSOR

### Perimeter Security



Protect your perimeter with RF sensor surveillance, the most cost effective solution available.

### Camera Integration



Integrate sensor with existing PTZ cameras to enhance your surveillance system and reduce operator fatigue.

### Wide Area Coverage



Cover your area 24/7 through mist, fog, rain, dust and snow.

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