

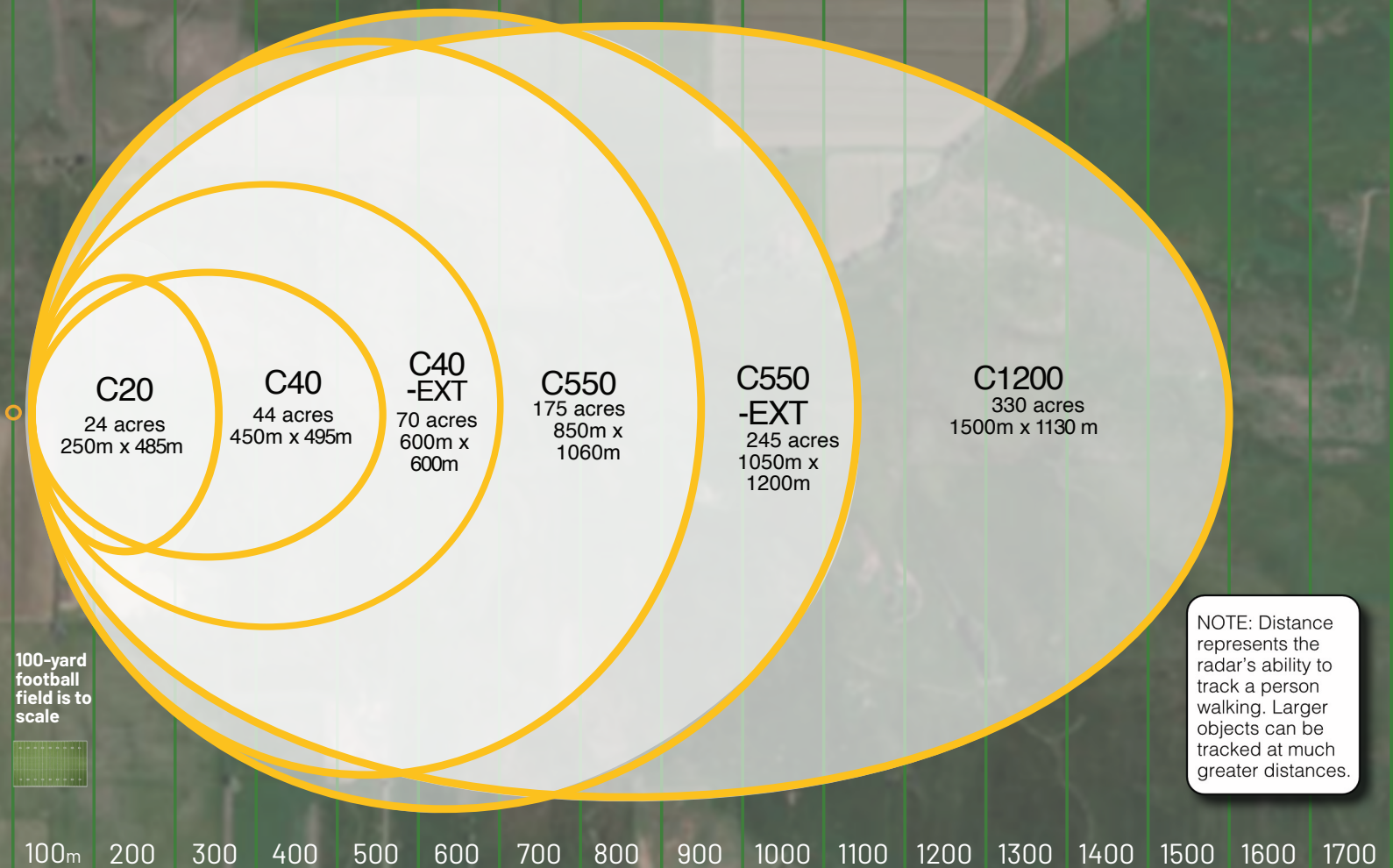
# SPOTTER

## C SERIES RADARS

**First to  
Detect.  
First to  
Protect.**



## X BAND COMPACT SURVEILLANCE RADARS

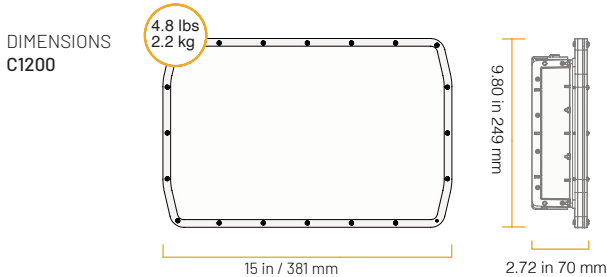
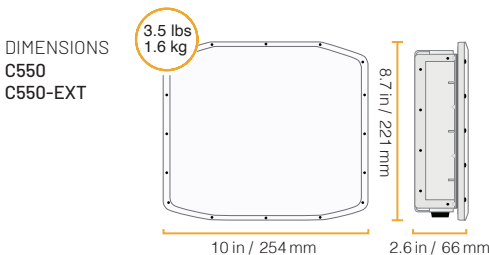
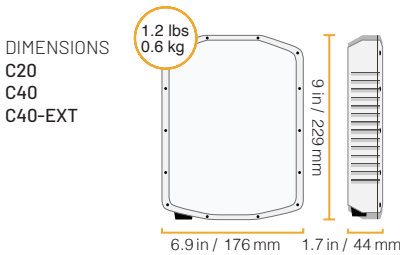


FOR MORE INFORMATION CONTACT:  
sales@spotterglobal.com  
801-742-5849  
spotterglobal.com

PREVENTING HARM



# Compact Surveillance Radars



| 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, NetworkIO                                            |
| INTERFACE                  | Ethernet (Web UI or API)                                                           |
| PHYSICAL INTERFACE         | Passive PoE through IP67 PQT connector, 10/100 Mbps                                |
| RUGGED/WATERPROOF          | IP67/NEMA 6P compliant                                                             |
| SETUP TIME                 | Less than 10 minutes using Web UI                                                  |
| CONNECTOR TYPE             | Push Quarter Turn (PQT)                                                            |

| C Series Specifications           | C20                                             | C40 / C40-EXT                                                             | C550 / C550-EXT                                                 | C1200                                          |
|-----------------------------------|-------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------|
| DETECTION RANGE                   | Walker: 10-250 m<br>Vehicle: 10-400 m           | Walker: 20-450 m / 20-600 m<br>Vehicle: 20-600 m / 20-850 m               | Walker: 30-850 m / 30-1,050 m<br>Vehicle: 30-1200m / 30-1,500 m | Walker: 60-1500 m<br>Vehicle: 60- 2000 m       |
| COVERAGE AREA                     | 250 m x 485 m = 24 acres                        | 450 m x 495 m = 44 acres<br>600 m x 600m = 70 acres                       | 850 m x 1060 m = 175 acres<br>1,050 m x 1200 m = 245 acres      | 1500 m x 1130 m = 330 acres                    |
| EFFECTIVE FIELD OF VIEW           | Horizontal: 120 degrees<br>Vertical: 20 degrees | Horizontal: 90 degrees<br>Vertical: 20 degrees                            | Horizontal: 90 degrees<br>Vertical: 20 degrees                  | Horizontal: 90 degrees<br>Vertical: 20 degrees |
| ANGULAR ACCURACY                  | Within 90° FOV: ±3°<br>Within 120° FOV: ±5°     | ±3°                                                                       | ±3°                                                             | ±3°                                            |
| RANGE RESOLUTION                  | 1.5 meter                                       | 3 meter                                                                   | 3 meter                                                         | 3 meter                                        |
| SIMULTANEOUS TRACKS               | 20-40                                           | 20-40                                                                     | 20-40                                                           | 20-40                                          |
| SYSTEM POWER                      | 5-9 W @ 20-48 VDC<br>Depending on duty cycle    | 5-9 W @ 20-48 VDC<br>Depending on duty cycle                              | 8-13 W @ 20-48 VDC<br>Depending on duty cycle                   | 8-20 W @ 20-48 VDC<br>Depending on duty cycle  |
| TEMPERATURE RANGE                 | -40° C to 65° C<br>-40° F to 149° F             | -40° C to 65° C<br>-40° F to 149° F                                       | -40° C to 65° C<br>-40° F to 149° F                             | -40° C to 50° C<br>-40° F to 122° F            |
| FREQUENCY<br>License required (*) | 10 - 10.5 GHz<br>FCC Certified (*)              | 10 - 10.5 GHz FCC Certified (*)<br>10.5-10.6 GHz CE Class B/RED Certified | 10 - 10.5 GHz<br>FCC Certified (*)                              | 10 - 10.5 GHz<br>FCC Certified (*)             |

Protectors of critical infrastructure sites rely on Spotter radars to prevent harm.



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