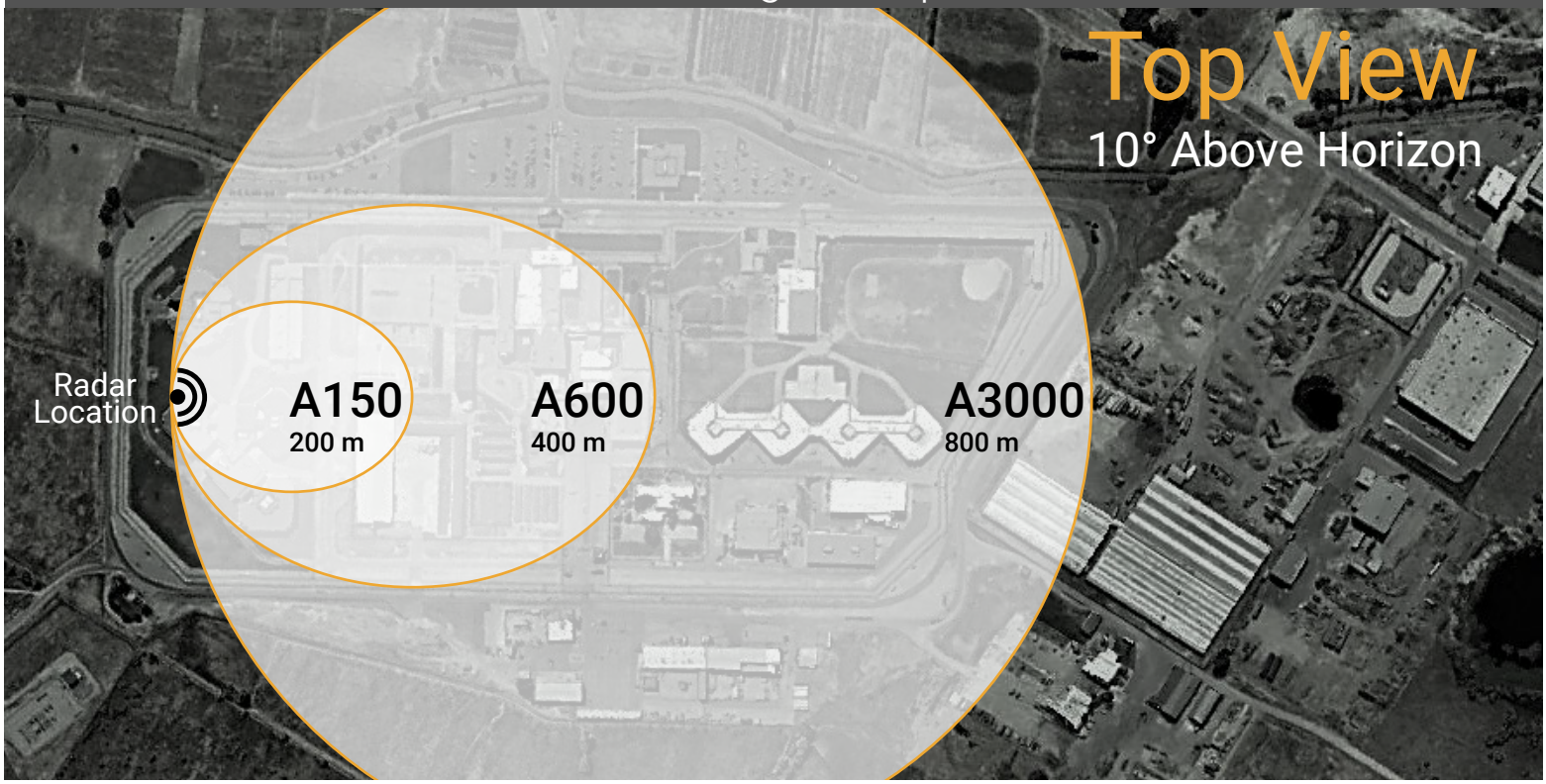
# Solid State Counter-Drone Radar

## A-Series

Our solid state counter UAS radars can detect a small DJI drone in wide areas and complex urban environments. They can be easily installed on almost any existing infrastructure and be used as part of a mobile radar kit.

- Detect, track, and geo-reference every UAS target in real time
- Distinguish between birds and drones based on radar metadata
- Detect and track multiple intrusions at once
- Integrated with PTZ cameras and deterrent systems such as frequency jammers


## Radar Coverage Comparison




FOR MORE INFORMATION, CONTACT:
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Protection Beyond Fences

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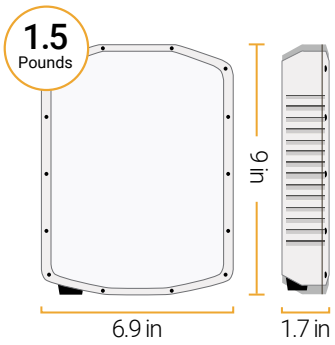
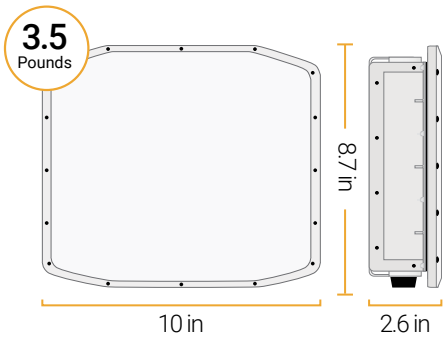
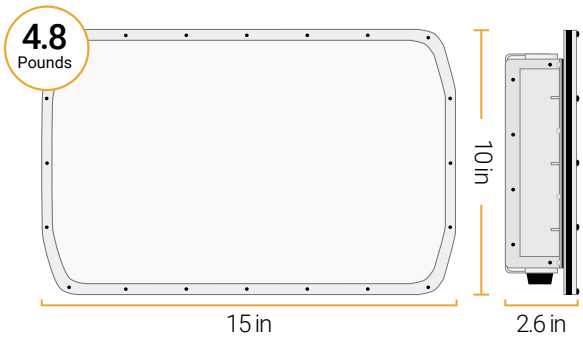
# Protection Beyond Fences




A150 Dimensions



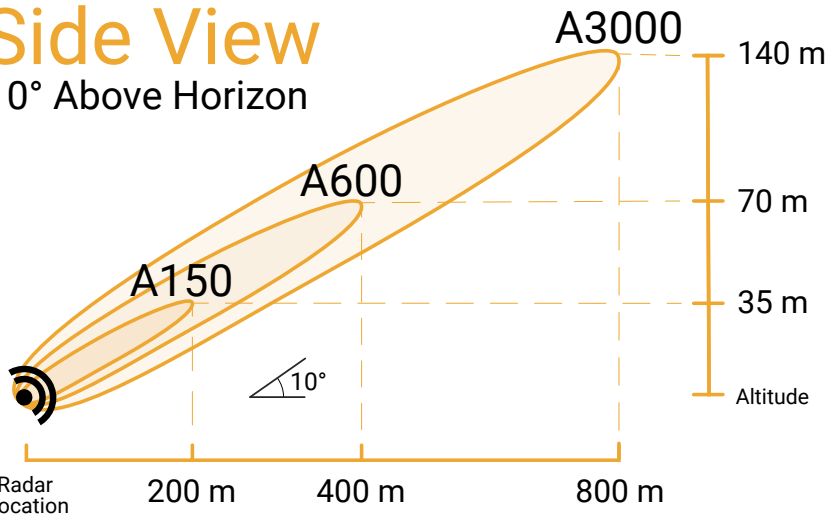

A600 Dimensions




A3000 Dimensions

## Side View

10° Above Horizon




| A-Series<br>10–10.6 GHz<br>FCC Certified | | A150 | A600 | A3000 |
|---|---|---|---|---|
| Power | | 5-9 W @ 12-30 VDC | 8-13 W @ 12-30 VDC | 20-24 W @ 18-30 VDC |
| Vertical FOV | | 15° | 15° | 15° |
| Horizontal FOV | | 90° | 90° | 90° |
| Max Range | 10° above horizon | 200 meters | 400 meters | 800 meters |
| Max Altitude | | 35 meters | 70 meters | 140 meters |
| Max Range | 30° above horizon | 170 meters | 345 meters | 700 meters |
| Max Altitude | | 100 meters | 200 meters | 400 meters |
| Max Range | 45° above horizon | 140 meters | 280 meters | 565 meters |
| Max Altitude | | 140 meters | 280 meters | 565 meters |

## 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, 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, Overvoltage, Short Circuit and reverse voltage protection |
| Rugged/Waterproof | IP67/NEMA 6P compliant |
| Setup Time | 10 minutes using Web UI |
| Angular Accuracy | ±3 degrees |
| Range Resolution | 3.75 m |


To learn how this is being used, contact:

sales@spotterrf.com 801-742-5849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