



2D & 3D DIGITAL RADAR

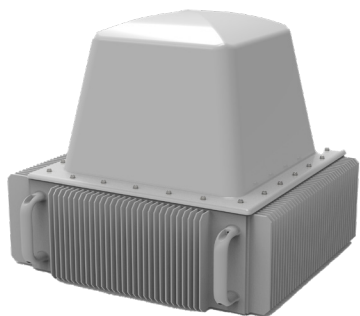
WATCH
WISELY

GA7360 3D

EXTENDED MID-RANGE 360° 3D RADAR

O.W.L. GA7360 3D digital multibeamforming radar system is the ideal solution for drone detection and counter UAS applications, as well as mid-range ground solutions. The GA7360 combines advanced digital beamforming radar technology, classification intelligence, reconfigurability, and easy integration with other security systems to bring real-time, all-weather situational awareness for the physical security of perimeters and other sensitive areas of critical sites.

As the foundation for event-based layered security, GA7360 enables automated detection, tracking, deterrence, and response to intrusions, including drones, within 7 km and 360° field of view (FOV) of critical sites. GA7360 offers 45° elevation FOV, enabling ground and air surveillance simultaneously.













FEATURES

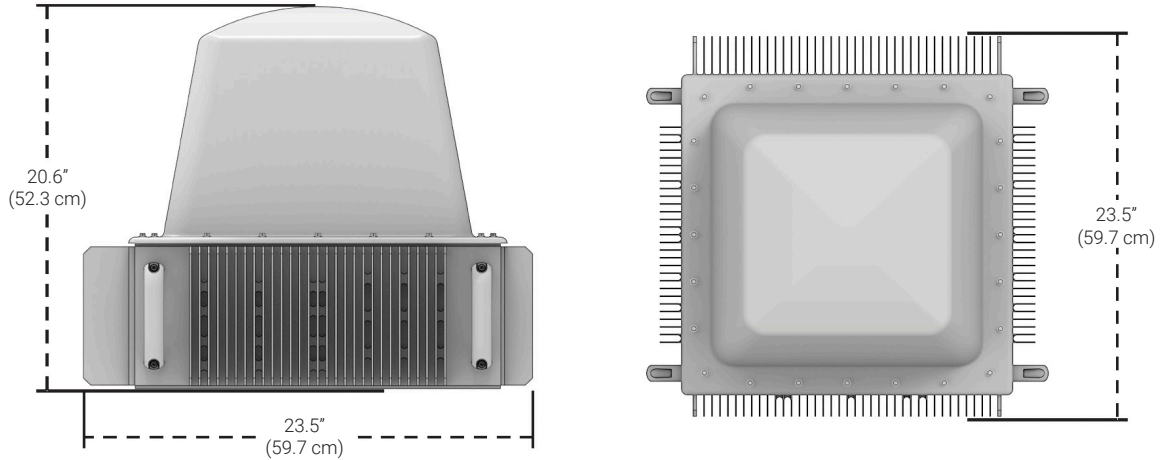
- Digital beamforming radar technology for highly reliable all-weather detection and tracking of all target types
- Target classification to distinguish among humans, animals, vehicles, aircraft, and drones for alarming on targets of concern, avoiding nuisances
- 3D antenna to measure elevations of targets for effective detection and classification of Group 1 and larger drones
- Seamless integration with cameras, VMS, success control, audible alarms, security lights, drones, command-and-control systems, and kinetic and electronic counter-measure systems
- Customizable alarm zones with automatic response triggers
- Wide-area coverage minimizes infrastructure costs
- Solid state system with no moving parts
- Backed by full warranty

APPLICATIONS

GA7360 is the ideal solution for simultaneous drone detection/counter-UAS and ground/perimeter surveillance of mid-sized critical sites or areas of larger sites. This new system also provides capabilities in support of a range of beyond-visual-line-of-sight (BVLOS) and bird detection applications, among others. Real-world applications include:

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|---|---|
|  Logistics facilities |  Renewable energy sites |
|  Correctional facilities |  Electrical transmission substations |
|  Airports |  Water reservoirs |
|  Oil and gas sites |  Treatment plants |
|  Natural gas facilities |  Campuses |

GA7360 3D



TECH SPECS

Architecture:	Simultaneous multiple beams	Software Defined Update Rate:	1 Hz - 5 Hz
Processing Type:	Pulsed Doppler	Minimum Detectable Velocity:	0.25-1 mph
Frequency Band:	S (3.0 GHz – 3.0 GHz)	*Weight:	47.6 kg 105 lbs.
Range Resolution:	10 or 20 m (adjustable)	**Dimensions:	59.7cm x 59.7cm x 52.3 cm 23.5" x 23.5" x 20.6"
Selectable Frequency Bands:	6 calibrated	Power Draw:	220W
Instrumented Range:	8 km Detection Ranges* Aircraft (Cessna 172): 7 km Vehicle: 7 km Walker: 3 km Drone (DJI Phantom IV): 2.25 km	Operating Temperature:	-20°C to +60°C -4°F to +140°F
Azimuth FOV:	360°	Component Temperature:	-40°C to +85°C -40°F to +185°F
Elevation FOV:	45°	Heating/Cooling:	Passive

* Achieving maximum detection ranges requires sufficient mounting height and line of sight, especially for ground targets.

Observation Without Limits (O.W.L.), a Dynetics business, leverages 49 years of radar expertise to develop, manufacture, and support the O.W.L. GroundAware® family of 2D and 3D digital beamforming radar solutions. Critical infrastructure and government sectors around the world use O.W.L. solutions for ground, water surface, and low-altitude airspace surveillance as the foundation for their event-based layered security plans.

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