

O W L
2D & 3D DIGITAL RADAR

**WATCH
WISELY**

GA3360 3D

SHORT/MID-RANGE 360 RADAR SYSTEM

O.W.L. GA3360 3D digital multibeamforming radar system, built on the GroundAware® radar architecture, is designed for basic drone situational awareness, beyond visual line of sight (BVLOS), detect and avoid (DAA), integrated counter-UAS, and bird avoidance applications, as well as short to mid-range ground or water surface surveillance use cases. The GA3360 3D 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, GA3360 3D enables automated detection, tracking, deterrence, and response to intrusions, including drones, within 3 km and 360° field of view (FOV) of critical sites. GA3360 3D provides best-in-class elevation FOV options, enabling ground and air surveillance simultaneously.












FEATURES

- Digital beamforming radar technology for 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 deterrence and response triggers
- Wide-area coverage minimizes infrastructure costs
- Solid state system with no moving parts
- Backed by full warranty

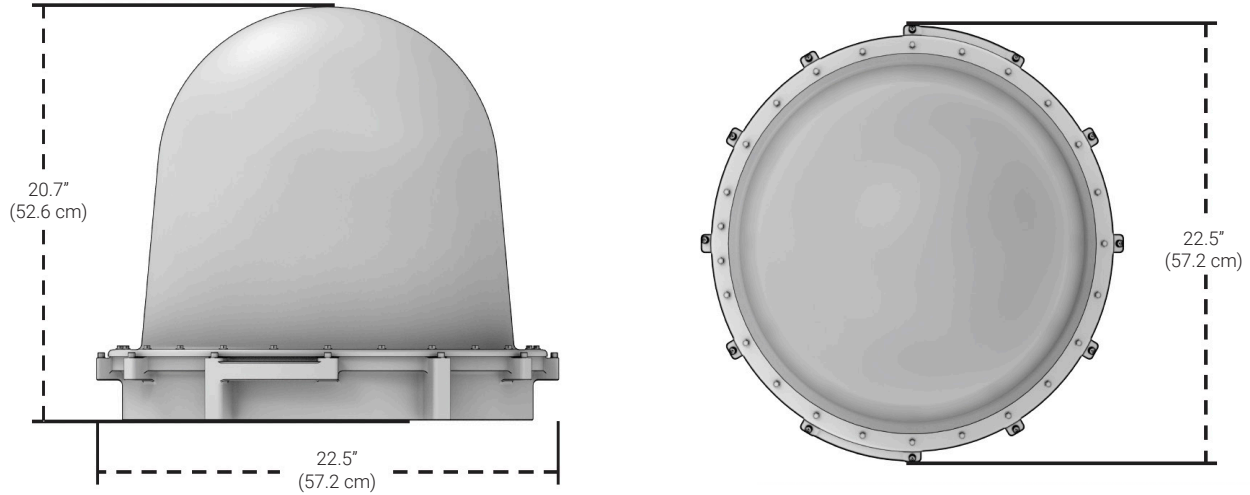
APPLICATIONS

GA3360 3D is ideal for ground/water surface perimeter security, low-altitude airspace uses (counter-UAS, BVLOS, and DAA), and dual ground/water surface and air use cases for a range of small to midsized critical infrastructure sites:

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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 |

GA3360 3D can be mounted on the top of poles, buildings, or mobile platforms.

GA3360 3D



TECH SPECS

Architecture:	Simultaneous multiple beams	Software Defined Update Rate:	1 - 5 Hz
Processing Type:	Pulsed Doppler	Minimum Detectable Velocity:	0.25 - 1 mph
Frequency Band:	S (3.0 to 3.3 GHz)	Weight:	27.2 kg 60 lbs.
Range Resolution:	10 or 20 m (adjustable)	Dimensions:	57.2cm x 57.2cm x 52.6 cm 22.5" x 22.5" x 20.7"
Selectable Frequency Bands:	6 calibrated	Power Draw:	50W
Instrumented Range:	5 km Detection Ranges* Large Aircraft: 3 km Vehicle: 3 km Walker: 2 km Drone (DJI Phantom IV): 1.5 km	Operating Temperature:	-20°C to +60°C -4°F to +122°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.

** 100° elevation FOV option available

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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