



2D & 3D DIGITAL RADAR

WATCH
WISELY

GA9000 3D

LONG-RANGE 120° - 360° 3D RADAR SYSTEM

O.W.L. GA9000 3D digital multibeamforming radar system is the ideal solution for long-range drone detection and counter-UAS applications, as well as long-range ground surveillance. The GA9000 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, GA9000 enables automated detection, tracking, deterrence, and response to intrusions within 15 km and 120° field of view (per panel) of critical sites.



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

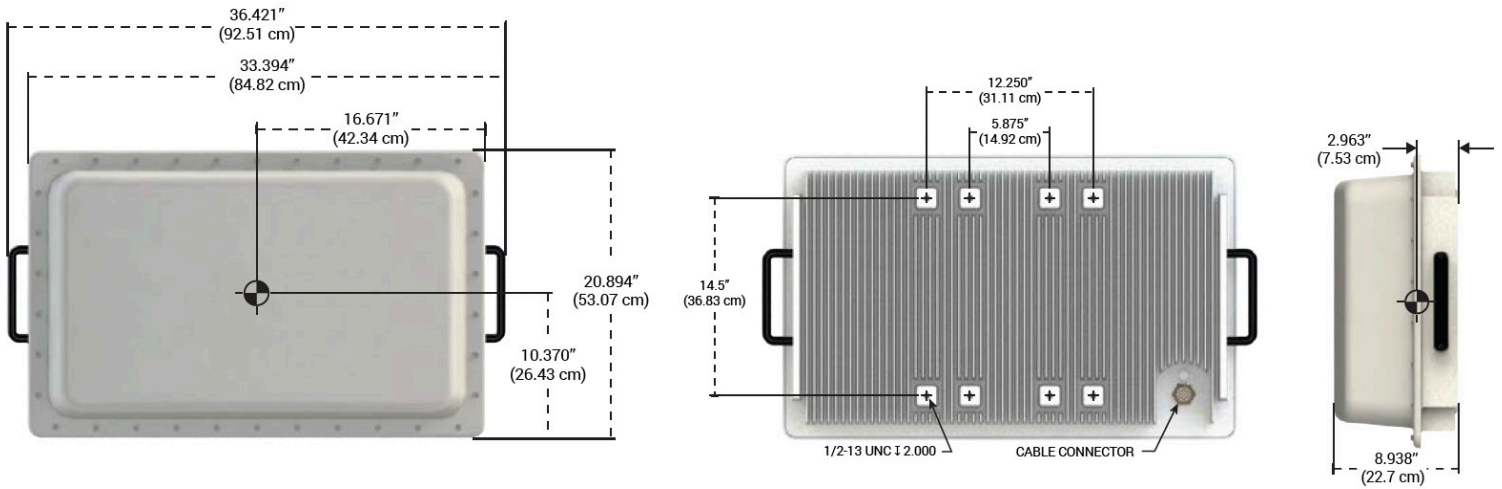
APPLICATIONS

GA9000 is the ideal counter-UAS and long-range ground/water surface surveillance solution for these and other real-world applications include:

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|  Mission-critical government facilities |  Petrochemical facilities |
|  Military bases and airfields |  Natural gas facilities |
|  Border areas |  Renewable energy sites |
|  Correctional facilities |  Electrical transmission substations |
|  Airports |  Water reservoirs |
|  Seaports |  Treatment plants |
|  Manufacturing plants |  Campuses |

GA9000 can be mounted on the side of poles, buildings, or mobile platforms.

GA9000 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 to 3.3 GHz)	Weight:	90 lbs. 40.8 kg
Range Resolution:	10 or 20 m (adjustable)	Dimensions:	91.4 cm x 53.3 cm x 22.9 cm 36" x 21" x 9"
Selectable Frequency Bands:	6 calibrated	Power Draw:	200W
Instrumented Range:	15 km Detection Ranges* Large Aircraft: 15km Vehicle: 13 km Walker: 8 km Drone (DJI Phantom IV): 5km	Operating Temperature:	-20°C to +60°C -4°F to +140°F
Azimuth FOV:	120°	Component Temperature:	-40°C to +85°C -40°F to +185°F
Elevation FOV:	12.5°	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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