

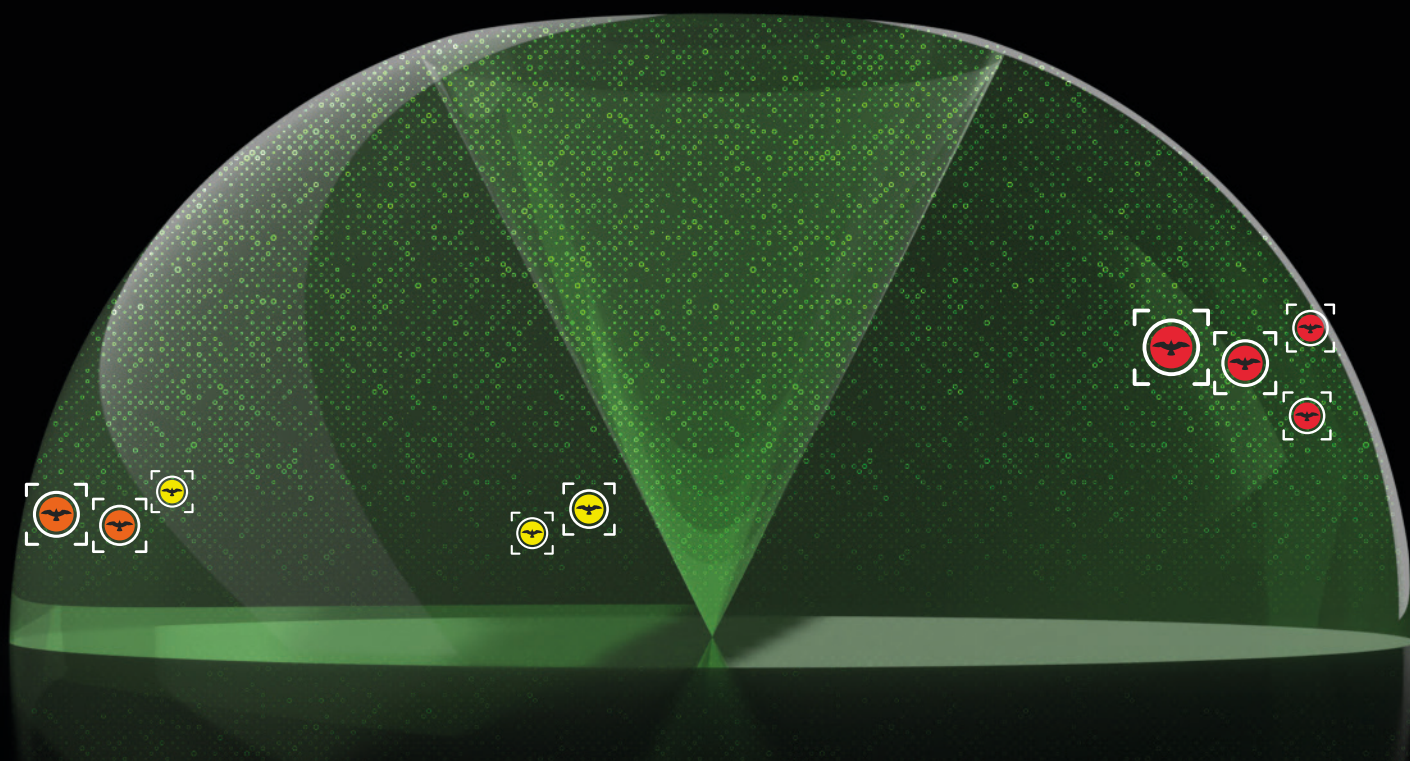


PRODUCT SHEET

MAX 3D 360° AVIAN DETECTION



robin
radar systems



DISCOVER OUR FLAGSHIP 3D AVIAN RADAR

MAX delivers high-quality, real-time data, instant track updates and detailed reports to react to hazards and make strategic decisions.

360° COVERAGE IN 3D

We innovated full 360°, 3D systems to give you complete awareness of what's happening all around you, all year round. Day or night. MAX tracks thousands of birds simultaneously, displaying data in its intuitive interface.

INSIGHTS AT YOUR FINGERTIPS

Historical data is as important as real-time insight, so MAX has a long memory. Visualise environmental conditions, bird size, speed, altitude and more with Report Viewer for risk collision models and effective mitigation.

LIGHTNING-FAST ROTATION

MAX's market-leading rotation speed delivers fast track updates for precise tracking and classification. Multiple stacked beams also mean advanced clutter filtering for the most accurate readings.

ELEVATE YOUR SAFETY

MAX levels up awareness and provides actionable information to mitigate the risks of bird strikes and turbine collisions. Airport, airfield or wind farm, cutting-edge technologies provide precise and early warnings of hazardous activity.



PAIR WITH OUR MICRO SHELTER

For a flexible, no-fuss installation, opt for our micro-shelter at even the most challenging sites, like offshore. It accommodates an antenna, radar server rack, transformer, and weather station, protects MAX from the elements, and secures it in storage and travel.

WIND TURBINE SHUTDOWN ON DEMAND (SDOD)

Our SDOD plug-in minimises downtime by working with your wind farm Supervisory Control And Data Acquisition (SCADA) system. Based on your parameters, MAX gives curtailment recommendations for individual or groups of turbines.

CUSTOMISE YOUR MAX



- Micro Shelter
- Shutdown on Demand (SDOD) Module
- Trailer for easy system (re-)deployment



MAX SPECIFICATIONS

Technology	FMCW, Solid State
Frequency.....	X-Band, 8900 MHz (8800-9075)
.....	9250 MHz (9000-9275),
.....	9650 MHz (9525-9775)
Power (continuous).....	44 Watt
Instrumented Range.....	15 km (9.3 mi.)
Beam Width.....	1.8 ° x 60 °
Azimuth Resolution	1.8 °
Range Resolution	5.8 m (19 ft)
Elevation Coverage.....	60 °
Rotation / Scan Speed.....	60rpm / 1s
Dimensions (WxDxH).....	1237 x 654 x 1660 mm
.....	(48.7 x 25.7 x 65.35 inch)
Weight.....	325 kg (715 lb)
Power.....	207 - 253 VAC, 50 ... 60 Hz
Ingress Protection.....	IPX6
Operational Temperature.....	-25°C to +55°C (-13°F - 131° F)

DETECTION & CLASSIFICATION RANGES

Size	Detection Range	Altitude
Large	10.0 km (6.2 mi.)	700 m (300 ft)
Medium	8.0 km (5 mi.)	600 m (1970 ft)
Small	4.0 km (2.5 mi.)	400 m (1300 ft)
Micro	3.3 km (2.1 mi.)	300 m (980 ft)

READY TO TAKE BIRD DETECTION TO THE MAX?

You'll be joining 75+ visionary global partners banging the drum for safety and ecology. MAX is deployed at airports, airfields, wind farms and construction sites worldwide.

BIRD VIEWER SOFTWARE



TALK TO OUR EXPERTS

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