

AMS SENSOR FAMILY / PRODUCT DATASHEET

AMS Pro Max

Advanced supported signal intelligence

Advanced decryption of supported DJI O1-O4 signals and selected Autel aircraft.

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Standard antennas

90 W

Power over Ethernet

IP65

Enclosure protection

Core capability

- Expanded signal intelligence for supported aircraft and protocols
- Confirm the supported-aircraft and firmware matrix for the mission
- Remote ID receiver option; cloud and local JSON APIs

Installation essentials

Enclosure	IP65-rated, weather-sealed locking enclosure. Shared AMS form factor.
Base dimensions	19 x 14 x 8 in (approximately 483 x 356 x 203 mm), excluding antennas and mounting accessories.
Reference weight	17 lb (approximately 7.7 kg), published AMS enclosure configuration; installed weight varies with model and options.
Mounting	Rail, pole and wall mounting. Fixed or mobile installations. Direct-mounted or remotely mounted antennas.

Shared AMS form factor. Antenna arrangement and installed weight vary with the selected configuration. The next page covers reception, connectivity and options.

AMS PRO MAX / TECHNICAL SPECIFICATIONS

From sensor to system.

Scale from a single sensing position to a distributed network. Use Atlas or connect AMS intelligence to a compatible platform through local and cloud APIs.

Reception range	1-12 miles with standard antennas, depending on the environment, aircraft and installation.
Remote ID capacity	Hundreds of simultaneous supported targets when configured with the Remote ID receiver.
Live-track delivery	Normally under one second over cellular; configuration and connectivity dependent. Alert transit and human response are separate.
Remote ID reception	2.4 and 5.8 GHz; supported Wi-Fi and Bluetooth broadcasts. Core capability on V10; receiver option available across the AMS family.
Power requirement	90-watt Power over Ethernet (PoE)
ADS-B option	Dual-band 978 / 1090 MHz reception; adds 2 antennas (7 total).
Connectivity	LTE cellular and Ethernet. Local and cloud API access.
Output	Real-time JSON data for compatible integrations; custom CSV reporting available on request.
Operations	Remote diagnostics and configuration support for distributed deployments.
Manufacturing	Produced in the United States with American-made and global components.
NDAA configuration	NDAA-compliant version can be produced on request.

Antenna totals include the standard configuration; the ADS-B option adds two. Confirm the supplied PoE equipment, installed weight, antenna clearances and site-specific operating-temperature requirement with AirSentinel. Coverage and available data vary by aircraft, protocol, firmware and installation.

Available ground-location data depends on the source: Standard Remote ID can provide control-station position; broadcast modules provide takeoff location. Neither is a verified personal identity.

Discuss aircraft compatibility, the installation and procurement requirements: info@airsentinel.ai | +1 (844) 771-8711