

AMS SENSOR FAMILY / PRODUCT DATASHEET

AMS V10

High-density Remote ID sensing

Remote ID detection across supported Wi-Fi and Bluetooth broadcasts on 2.4 and 5.8 GHz.

4 Standard antennas	30 W Power over Ethernet	IP65 Enclosure protection
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Core capability

- Hundreds of simultaneous supported Remote ID targets
- Aircraft identity, position and available control-station or takeoff location
- Cloud and local JSON APIs; AirSentinel platform access

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 V10 / 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	30-watt Power over Ethernet (PoE)
ADS-B option	Dual-band 978 / 1090 MHz reception; adds 2 antennas (6 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 available.

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