

DATA SHEET

RF-160 Sensor

Detects and classifies commercial
and hobbyist drones



RF-160

Start your airspace surveillance immediately with Dedrone's radio frequency sensor, the RF-160, connected to cloud-based DroneTracker software.

Key features

- Long-range drone detection (up to 5 km) and early-warning
- Fast installation and start-up thanks to integrated LTE and GPS
- Provides meaningful data for risk assessments
- Operates fully automatically
- Not subject to approval



Specifications

Range (line of sight)	Under normal conditions 1.0 mi (1.6 km) for most drones, under ideal conditions up to 3.1 mi (5.0 km) for specific drones
Device Type	Sensor ¹
Radio Frequency	Omnidirectional passive detection and classification
L x W x H	12" x 12" x 15,96" (300 mm x 300 mm x 405 mm)
Weight	15 lb (6.8 kg)
Ingress Protection Rating	IP65
Operating Temperature	-4 °F to +131 °F (-20 °C to +55 °C)
Power Supply on Premises Operation	PoE IEEE 802.3bt (60 W) or AC 100-240V 50/60 Hz max. 1 A
Power Supply Cellular Operation	AC 100-240V 50/60 Hz max. 1 A
Power Consumption	21 W (typical)
Communication Technologies	Cellular Communication ² or Ethernet
Connectivity	Via LAN to existing IT infrastructure or via the integrated mobile connection in the Dedrone Cloud
Configuration, Operation, and Alarms	Via the browser-based DroneTracker software (software version >= 4.2 and valid license)
Software Updates	Firmware and DroneDNA updates via a DroneTracker instance (cloud or server)

¹ pole not included ² for USA, Canada and most of Europe