Rapid Deployment Sensor System (RDS)

AirPatrol's revolutionary approach in a portable, self-contained sensor solution—perfect for rapid cellular security deployment.

Based on AirPatrol's advanced sensor product, the ZD3030 sensor, the RDS3030 has tunable software and programmable RF receivers that dynamically survey active cellular up-link channels and WiFi channels to enable detection and location of both cellular and 802.11 WiFi devices.

RDS3030 combines the ZD3030 cellular/WiFi sensor technology with a wireless mesh node and rechargeable battery power—enabling a quick, flexible, and portable system setup. All this in a high-impact weather-proof portable case.

Ideal for:
- WiFi security at temporary operational centers or meeting areas
- Wireless vulnerability assessments
- Penetration testing & on-site cellular system evaluations
- In-conference system monitoring

Device Types Detected:
Cell Phones, iPads, iPhones, Androids, BlackBerry Devices, Laptops, Tablets, MiFi Devices, Cellular Broadband Cards, WiFi Cards, WiFi Access Points and many more.

Wireless Events Detected
Phone Calls, Text Messages, Internet Browsing, Data Transmissions, Emailing, Tower Pings, Network Registrations

Software Programmable Receivers Frequency Bands
300-348 MHz, 387-464 MHz, 600-1000 MHz, 1710-1790 MHz, 1850-1990 MHz, 2500-2570 MHz, and more.

WiFi Modes Detected
802.11b/g (2.4 GHz)   802.11a (5GHz)
802.11n mixed, legacy and greenfield modes (2.4 GHz, 5 GHz)

Software Compatibility ZoneDefense software

RF Sensitivity
GSM: -55 dBm typical
CDMA: 3G, 4G: -95 dBm typical
WiFi: -100 dBm typical

Operating Temperature
-20º to +60ºC (-4º to + 140ºF)

North American Cellular Bands Supported (RDS3030)

699-716 LTE	1710-1785 W-CDMA, LTE
777-798 LTE	1850-1910 GSM, CDMA, W-CDMA
806-824 iDEN/SMR	2500-2570 LTE
824-849 GSM, CDMA, W-CDMA	

International Cellular Bands Supported (RDS3030i)

880—915 GSM, W-CDMA	1920-1980 W-CDMA, LTE
1710-1785 GSM, W-CDMA, LTE	2500-2570 LTE 3G/4G

Waterproof. Steel-reinforced Pad-Lock Holders.

Maximum Range: 20 – 50 meters (65-165 feet)

Wireless Mesh Proprietary Secure Encrypted Mesh 802.11 a/b/g/n Wireless Interface. 256 bit AES-WPA2.

LAN Type: Assigned Static IP Addresses or DHCP clients

Power Requirements
Rechargeable 24V batteries with 8 hour lifetime (at ambient temperature). AC power 110V 15W for continuous operation.

Size: 28cm x 25cm x 17cm (11" x 9.8" x 6.7")
4.1kg (9lbs)