

DroneWatcher™

200 C-UAS System

DeTect's radar processing technology developed specifically for detection and tracking of small, low radar-cross section, non-linearly moving, low altitude targets in high clutter environments make it one of the most sensitive, affordable Counter Unmanned Aerial System (C-UAS) technologies on the market.

DroneWatcher™ provides full surveillance coverage from ground level with UAS detection ranges out to 10+ miles



Above:

X200 C-UAS radar with integrated TacFLIR EOIR and third-party Electronic Attack-Counter Measures system at US Army MFX 2018

Below:

DroneWatcher C-UAS remote command-and-control workstation



Model: DSR-200d

Application:

C-UAS cooperative and non-cooperative drone and small unmanned aerial vehicle/system (UAV/UAS) detection, tracking, identification and intrusion alerting for military installations, airports, power plants, industrial facilities, stadiums, public events and other sites that require airspace intrusion control for security and public safety.

Configuration:

Fully self-contained mobile, portable and fixed systems with DeTect's Intelligent Radar™ technology and full system remote control and information display Sensors: solid state S- or X-band Doppler open array radar sensors with optional integrated, radar-directed EOIR (Electro-optic, Infrared) and RF (radio-frequency) scanner

Options:

Integrates and controls DeTect proprietary and third party UAS interdiction and cyber systems

Architecture:

Open software SQL for real-time target analysis, data storage and queries and using AMRDEC MAFIA Tactical Counter-UAS Technologies (TCUT), XML, BC3 and US Army Composite Tracker and Classifier Sensor Report messages (CTC)

Configuration Options:

Fully self-contained and self supporting standard and custom mobile tactical, trailered and fixed designs with optional hardened design.

Operating Characteristics:

360-degree coverage with range dependent drone/UAS TOI detection:

- Large (Global Hawk class) to 10 nm (18 km)
- Medium (Raven class) to 6 nm (11 km)
- Micro UAVs (DJI Phantom class) to 2 nm (4 km)

Includes user programmable alert perimeters and zones and automatic target type classification (requires calibration)

Power:

110/220 VAC, 60/30 amps service with UPS back-up & power conditioning (30 minutes) and optional auto-start single or dual 4 kW diesel generator and double-walled fuel tank to support 10-20 days 24-7 operation

Comms & Interfaces:

Web-based remote real-time system display, control & data access via fiber optic, wireless or cellular; SQL architecture for data storage and exchange supporting TCPIP, AMRDEC MAFIA Tactical Counter-UAS Technologies (TCUT), XML and US Army Composite Tracker and Classifier Sensor Report messages (CTC).

Available in a variety of fixed and mobile configurations.



Offices in: Panama City, Florida • Grand Forks, North Dakota • San Diego, California
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DocRef: TDS_DRONEWATCHER_200C_08_23