



# DRONEBUSTER® VEHICLE KITS

## MOBILE & STATIONARY COUNTER-sUAS SOLUTIONS

**Autonomous Kit Includes** – Dronebuster® 4 Fixed Site on pan/tilt gimbal, integrated DTI System, in-vehicle operator station, TAK devices, automated kill chain, AI/ML identification, spoofing mitigation

**Manual Kit Includes** – Vehicle-mounted DTI System with in-vehicle display, handheld Dronebuster® 4, TAK devices, point-and-mitigate action, rapid response in the field

### SPECIFICATIONS

<b>SIZE</b>	Pan and Tilt Mitigation System: 55cm x 45cm x 55cm DTI Component: 16cm x 9cm x 4.5cm (w/o Batt + Antenna)
<b>WEIGHT</b>	30kg
<b>POWER</b>	24VDC, 16A / 400W Peak
<b>BATTERY</b>	NATO Military Grade
<b>ENVIRONMENTAL</b>	IP 67
<b>TEMPERATURE</b>	-20C to +50C
<b>MOUNTING</b>	Standard NATO 4 Bolt Pattern RAM Vehicle Mount System
<b>TAK INTEGRATION</b>	Remote Command and Control via Tactical Awareness Kit (TAK) integration

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## DETECTION

<b>RADIO OPERATING FREQUENCY</b>	Range: 70 MHz – 6Ghz Detection Frequency Bands: 400 - 1800Mhz, 2.3 – 2.6Ghz, 5 – 6Ghz Minimum Frequency Bandwidth Detectable: 100 Hz
<b>SCANNING FREQUENCY RESOLUTION</b>	≤ 100 Hz
<b>ANTENNAS</b>	(3) Omni, (1) Direction Finding, (1) GPS
<b>DETECTION METHODOLOGY</b>	Passive Detection of Radio Frequency (RF); Zero Emission
<b>DETECTION RANGE</b>	Up to 7km at shoulder height (25 km when mounted on 20-25 ft mast)

## TRACKING

<b>DIRECTION FINDING</b>	4x 90-degree sectors. No Manual Movement required
<b>MULTI-TARGET TRACKING</b>	Simultaneously track multiple targets (Black and Whitelist) Differentiate between drones and controllers of the same make and model
<b>REMOTEID TRACKING</b>	UAVs and Remote Controllers (with RemoteID) are detected precisely and identified
<b>SWARM DETECTION</b>	Detect 30 drones simultaneously

## IDENTIFICATION

<b>LIST OF UAV'S</b>	Library of 450+ drones/UAVs, remote controllers, drone-telemetry, and FPV models Commercial Drone Model Coverage: DJI and Autel
<b>MULTI-TARGET TRACKING</b>	Simultaneously track multiple targets (Black and Whitelist)
<b>REMOTEID TRACKING</b>	UAVs and Remote Controllers (with RemoteID) are detected precisely and identified
<b>WIRELESS PROTOCOL</b>	LightBridge (up to 2.0), OcuSync (up to 4.0), WiFi and WiFi variant protocols, Autel Evo and Skylink protocols, LTE and LTE variant protocols, ZigBee, Bluetooth, BLE, NTSC, PAL, Majority of DIY remote controllers and drone-telemetry protocols and FPVs, etc.

## MITIGATION

<b>JAMMING GNSS DISRUPTION</b>	Defeats C2 frequencies for Commercial Off the Shelf (COTS) drones Jams Commercial satellite Navigation frequencies across 4x constellations
<b>PNT ATTACK</b>	GNSS Spoofing forces the drone to fly away (up to 4km)
<b>AUTONOMOUS CUE + SLEW</b>	11 degrees per second (~20 m/s @ 100m)



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