

EDGESOURCE

DETECTION WITH PROTECTION

Harden your DJI AeroScope against cyber threats with Windtalker™ and protect your C-sUAS operations from data exploitation by foreign governments.



OVERVIEW

Users of the Da Jiang Innovations (DJI) AeroScope drone detection platform face significant national security risks due to Chinese government influence. **Windtalker™** — which was developed by Edgesource Corporation in collaboration with the U.S. Department of Defense — eliminates these risks while maintaining AeroScope's functionality.

KEY FEATURES AND BENEFITS

- **Secure Deployment:** Windtalker isolates the system, allowing only your server to see the drone data. All connections to foreign government servers are severed. Windtalker has a cybersecurity Authorization to Operate (ATO) certification issued by the U.S. Air Force for connection to DoD and federal networks.
- **Comprehensive Detection:** It can simultaneously identify 400+ DJI Class 1-3 drones within a range of 25+ kilometers, locating the pilot, home point, altitude, sUAS flight path and historical detections of a drone in a global database of Windtalker detections.
- **Intelligent Filtering:** Built-in digital filters protect against jamming/spoofing, ensuring accurate detection.
- **Versatile Connectivity:** Windtalker integrates easily with existing C-sUAS mitigation systems.
- **U.S.-Based Updates:** Remote, secure software updates enhance performance and avoid obsolescence.
- **Rapid Detection Updates:** Stay ahead with frequent (filtered) library updates, increasing detection accuracy without sacrificing cybersecurity and eliminating downloads from foreign governments.

EXPAND NON-DJI DRONE AWARENESS

The Windtalker Extend™ upgrade adds another level of drone library capability by adding over 40+ non-DJI drone detection and expanding drone awareness to Windtalker.



WINDTALKER 3.0 SPECIFICATIONS

- Connections: Physical Ethernet, LTE / 5G, Satellite
- Weight: 232 lbs. (shipping) and 82 lbs. (standing)
- Range: 30+ km (environment-dependent)
- Antennas: 4x panels
- Environmental: IP67, effective -51° to +67°C
- Certification: IATT, ATO-C Pending
- Export/spectrum: FCC-approved hardware, non-ITAR restricted, passive receive-only sensor, simple Authority to Operate for U.S. Government agencies
- Platforms and protocols: SAPIENT, CoT, UC2 (pending), JSON, JADC2
- Simple, fast setup — 30 minutes for one person

ABOUT EDGESOURCE CORPORATION

Edgesource Corporation is a dynamic, quality-driven small business delivering innovative and forward-leaning solutions to its customers. Headquartered in Alexandria, VA, Edgesource closely supports a variety of federal defense and civilian customers. With subject matter experts and a staff of cleared professionals, our personnel solve complex mission-critical challenges with expedience and reliability in CONUS and OCONUS environments.

DETECT, ANALYZE AND RESPOND WITH ESSENTIAL WINDTALKER UPGRADES

While Windtalker works as a standalone system, adding the Edgesource Dowding™ Common Operating Picture (COP) solution to the platform takes it to another level. Dowding seamlessly integrates with Windtalker, bringing threat detection, analysis and response into actionable information – including sUAS activity analysis and intelligence reports. This powerful and first-of-its-kind C-sUAS combination has been battle-tested in the Ukrainian war effort and provides users with a common operating picture of the airspace, improving situational awareness for data pulled from Windtalker.

By overlaying drone data, operator location, home point and flight track data with a clear and concise graphical operating picture, Dowding significantly increases the speed of response times and facilitates the creation of real-time intelligence reports with exceptional accuracy.

- Deploy Dowding with minimal training in under an hour.
- Receive immediate notifications of drone activity in defined zones.
- Receive threat warnings and alerts via SMS or email.
- Ensure data integrity and privacy with secure remote monitoring.
- Integrate Dowding with Windtalker and other best-of-class C-sUAS systems.
- Dowding API allows for universal data receiving and transmission to other systems and sensors.

THE GROWING THREAT

- **What AeroScope Does:** Routinely uploads all drone detection data to DJI servers in China. The unaltered AeroScope platform also routinely downloads executable updates and patches, putting any networked system at risk.
- **FBI and CISA Memo:** Warned of the significant risk posed by Chinese-manufactured UAS to U.S. critical infrastructure and national security (2024).
- **Drone Shipments to Russia:** China sent over \$12 million in drones to Russia post-Ukraine invasion, with DJI products comprising nearly half (2023).
- **DOD Concerns:** DJI is labeled a “Chinese military company” by the U.S. Department of Defense due to national security threats (2022).
- **Ukraine's Accusations:** Mykhailo Federov, former Deputy Prime Minister of Ukraine, criticized DJI for partnering with Russia (2022).
- **Commerce Department Listing:** DJI was added to the Department of Commerce's list of entities contrary to U.S. national security and foreign policy interests (2020).

ACT NOW TO ELIMINATE RISKS

Despite DJI's dominance in the small drone market, Windtalker offers a secure solution to mitigate national security threats. Contact us today to cyber-harden your AeroScope while ensuring continued functionality without compromising security.

PURCHASE INQUIRIES



Customer support provided by our manufacturing partner, Trust Automation. To learn more, visit our website to email customersupport@trustautomation.com, or call us at +1 805.544.0761



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