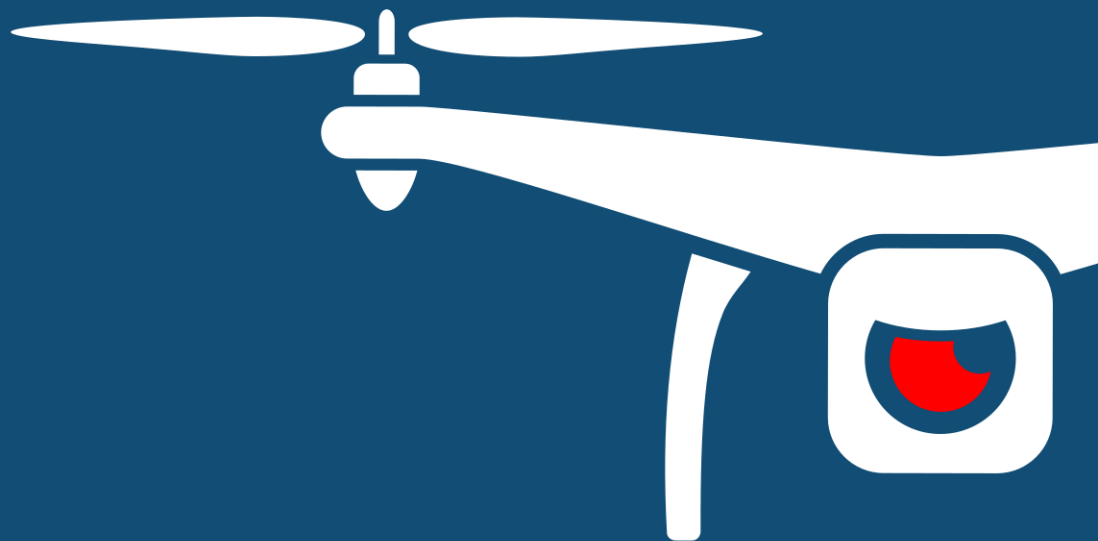




NOTIFY ISSUE #85 (PUBLIC)

WEEKLY THREAT INTELLIGENCE

28 July 2021 | v1.0 RELEASE



UAS HACKING, HARDENING AND DEFENCE

DOCUMENT CONTROL

PREPARATION

DroneSec (dronesec.com)

Threat Intelligence Team

Email: info@dronesec.com



TABLE OF CONTENTS

1. Threat Intelligence ----- 4

1.1. Featured Advisories ----- 4

1.2. Non-Conflict News and Events (P3) ----- 6

1.3. Conflict News and Events (P3) ----- 7

1.4. Whitepapers, Publications & Regulations (P4) ----- 7

1.5. Counter-Drone Systems (P4) ----- 7

1.6. Socials (P5) ----- 8

1.7. Informational (P5) ----- 8

1.8. UTM Systems (P5) ----- 8

1.9. Drone Technology (P5) ----- 8



1. THREAT INTELLIGENCE

1.1. FEATURED ADVISORIES

The prioritisation table and its dependencies are explained in Appendix A, and relate to how we filter, analyse and visualise the intelligence we collect.







1.2. NON-CONFLICT NEWS AND EVENTS (P3)

Lincoln Police department investigating drone incidents near residents

<https://www.1011now.com/2021/07/21/lpd-investigating-drone-incidents-near-homes-sheridan-blvd/>

Near miss with private airplane in Quebec, Canada

<https://avrodex.com/view/2021Q1922>

Large white drone sighted in restricted airspace in Ontario, Canada

<https://avrodex.com/view/2021O0881>

Indian Intelligence Bureau warns of major terror activity executed within cities via drones

<https://www.aninews.in/news/national/general-news/major-terror-activity-can-be-executed-in-national-capital-with-drones-alerted-intelligence-bureau-to-delhi-police20210720220027/>



1.3. CONFLICT NEWS AND EVENTS (P3)

Saudi air defences intercept four Houthi drones

<https://english.alarabiya.net/News/gulf/2021/07/24/Saudi-Arabian-air-defenses-intercept-three-Houthi-drones>

Drone spotted in Satwari, Jammu, India

<https://www.india.com/news/india/suspected-drone-spotted-in-jammus-satwari-area-probe-on-jammu-and-kashmir-news-4830426/>

Pakistani drone spotted in Punjab, India

<https://timesofindia.indiatimes.com/india/suspected-drone-sighted-in-punjab-near-border-with-pakistan/articleshow/84681123.cms>

Azerbaijani drone attempted to enter Armenia airspace

<https://en.armradio.am/2021/07/24/azerbaijani-drone-attempted-to-enter-armenias-airspace-defense-ministry/>

Drone attack on Iraqi base housing US troops

<https://www.airforcetimes.com/flashpoints/2021/07/24/another-drone-attack-on-an-iraqi-base-housing-us-troops-no-injuries-or-damage/>

1.4. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

DJI drones still a national security threat to United States – US DoD

<https://cio.economictimes.indiatimes.com/news/digital-security/chinese-firm-djis-drones-still-a-national-security-threat-us/84750731>

<https://www.defense.gov/Newsroom/Releases/Release/Article/2706082/departement-statement-on-dji-systems/>

The role drones might take in Africa's fight against terrorism (Commentary)

<https://www.modernghana.com/news/1094584/could-drone-technologies-become-more-prevalent.html>

Israel's combat-proven drone swarm may be start of new kind of warfare (Commentary)

<https://www.forbes.com/sites/davidhambling/2021/07/21/israels-combat-proven-drone-swarm-is-more-than-just-a-drone-swarm/>

The road ahead for drone integration into national airspace (Commentary)

<https://insideunmannedsystems.com/drone-integration-taking-a-team-approach/>

1.5. COUNTER-DRONE SYSTEMS (P4)

Black Sage awarded \$950M contract for US Air Force joint sensor fusion technology

<https://finance.yahoo.com/news/air-force-awarded-black-sage-124400395.html>

Indian security forces boosting jamming capabilities to counter drones

<https://indianexpress.com/article/india/to-counter-drone-threat-forces-boost-jammer-capabilities-7419502/>



The future of directed energy

<https://breakingdefense.com/2021/07/directed-energy-from-counter-drone-to-force-fields/>

Raytheon's Coyote Block 3 interceptor defeats drone swarm in army test

<https://www.inceptivemind.com/raytheons-reusable-coyote-interceptor-defeats-drone-swarm-army-test/2021/>

infiniDome announces GPSdome 2 Duo anti-jamming solution

https://www.valdostadailytimes.com/news/business/infinidome-debuts-gpsdome-2-anti-jamming-solution-at-auvsi-xponential/article_baf62f82-d430-58f3-a089-2d8a89226af3.html

1.6. SOCIALS (P5)

1,800 drones perform light show for Tokyo Olympics

<https://twitter.com/NBCOlympics/status/1418679672167092231>

1.7. INFORMATIONAL (P5)

Drone captures moment when attacked by a Saker Falcon, Kamchatka, Russia

<https://www.dailymail.co.uk/news/article-9826911/Drone-films-moment-huge-falcon-attacked-2-300ft.html>

Drones used to surveil on quarantining rugby players in Australia

<https://dronedj.com/2021/07/26/rugby-drones-australia-nrl/>

1.8. UTM SYSTEMS (P5)

Aloft awards patent for UTM platform technology

<https://www.uasvision.com/2021/07/23/aloft-patents-utm-platform-technology/>

1.9. DRONE TECHNOLOGY (P5)

New flight algorithm by Zurich researchers flies drones faster than professional pilots

<https://scitechdaily.com/new-algorithm-flies-drones-faster-than-world-class-human-racing-pilots/>

EU's LABYRINTH developed an automated flight control system for drone swarms

https://www.spacewar.com/reports/An_automated_flight_control_system_for_drone_swarms_has_been_developed_999.html

Detect-and-Avoid computer successfully demonstrated on long-range UAV

<https://www.unmannedsystemstechnology.com/2021/07/detect-and-avoid-computer-tested-on-long-range-uav/>



For Appendix items please click [this link](#).

