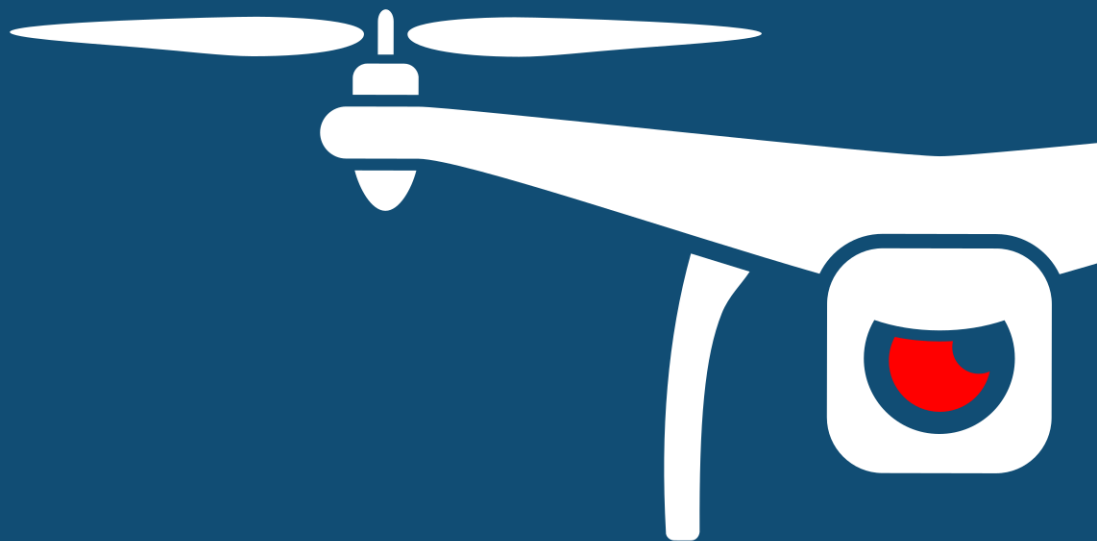




NOTIFY ISSUE #122 (PUBLIC)

WEEKLY THREAT INTELLIGENCE

14 Apr 2022 | v1.0 RELEASE



UAS HACKING, HARDENING AND DEFENCE

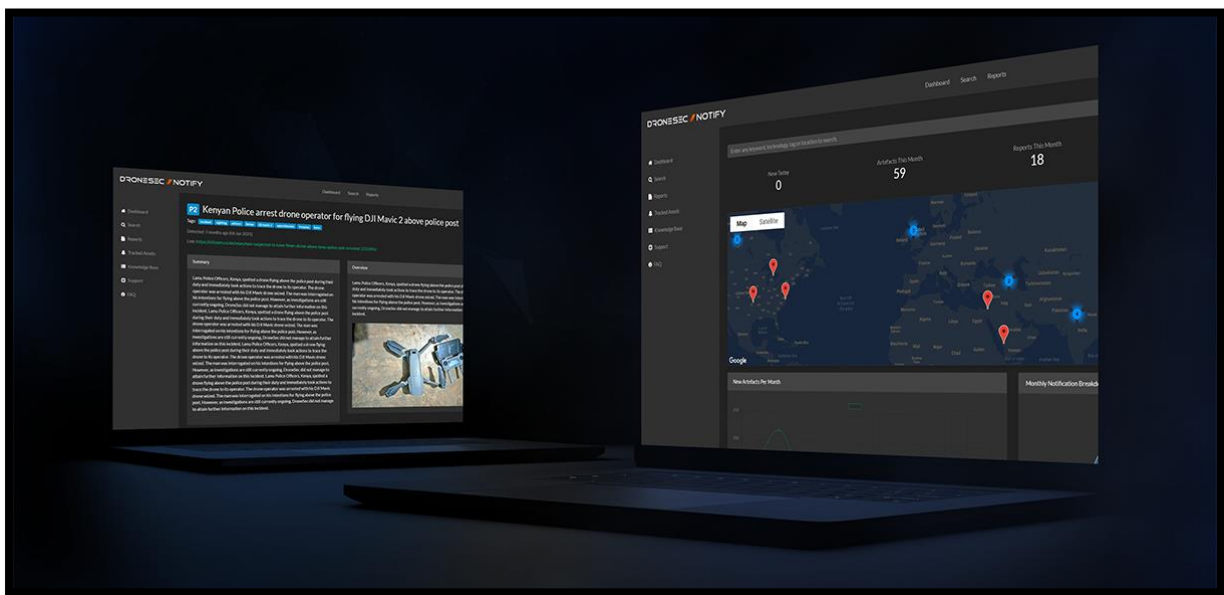
DOCUMENT CONTROL

PREPARATION

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This document is a summary of real-time incidents released within the [Notify UAS Threat Intelligence Platform](#). If you have been forwarded this document, subscribe for future updates: [here](#).

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1. THREAT INTELLIGENCE

1.1. FEATURED ADVISORIES

The prioritisation table and how we filter, analyse and visualise the intelligence we collect is located at the end of the document.

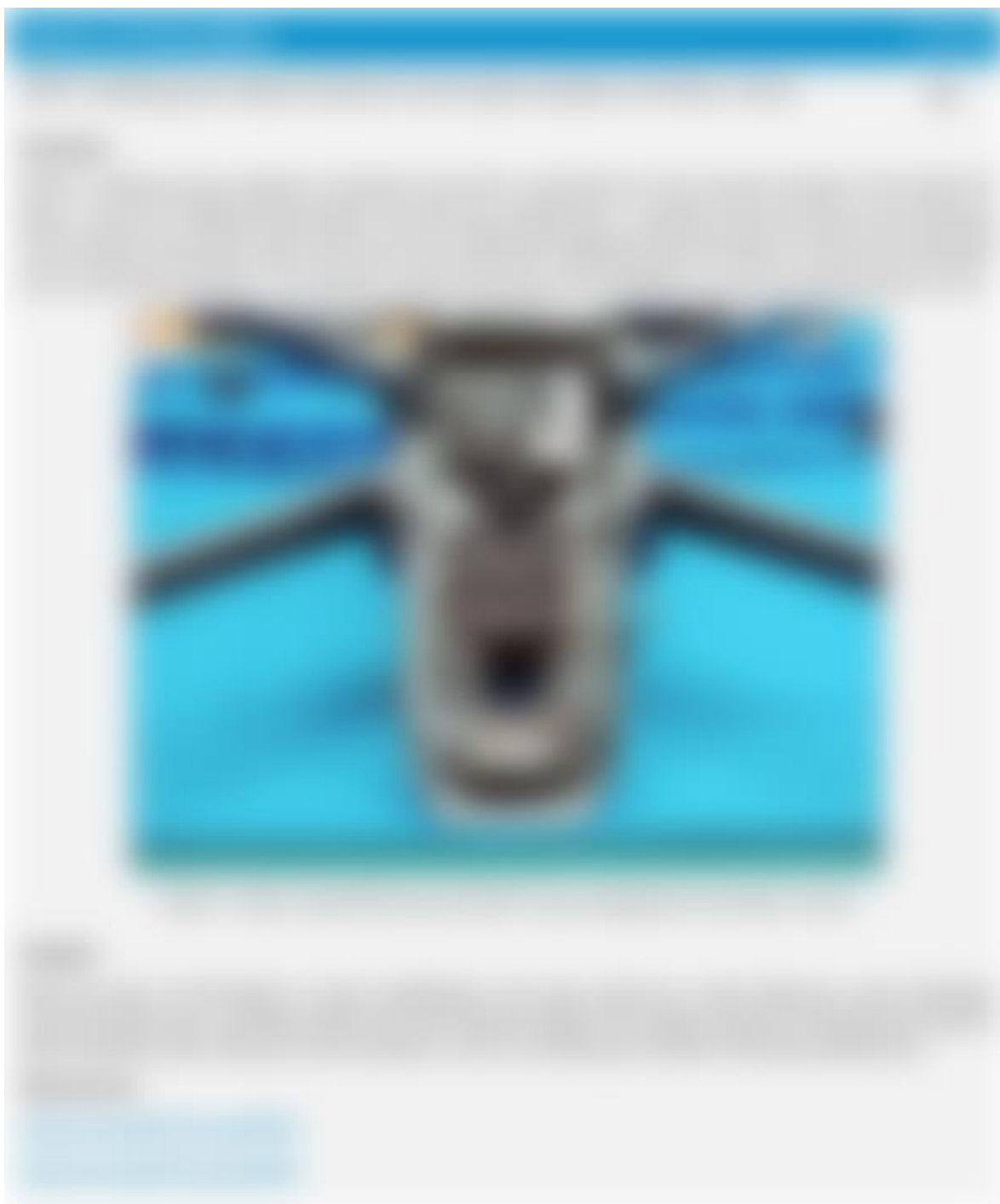


Figure 1: Can't see this? Contact us to sign up for Notify PRIVATE

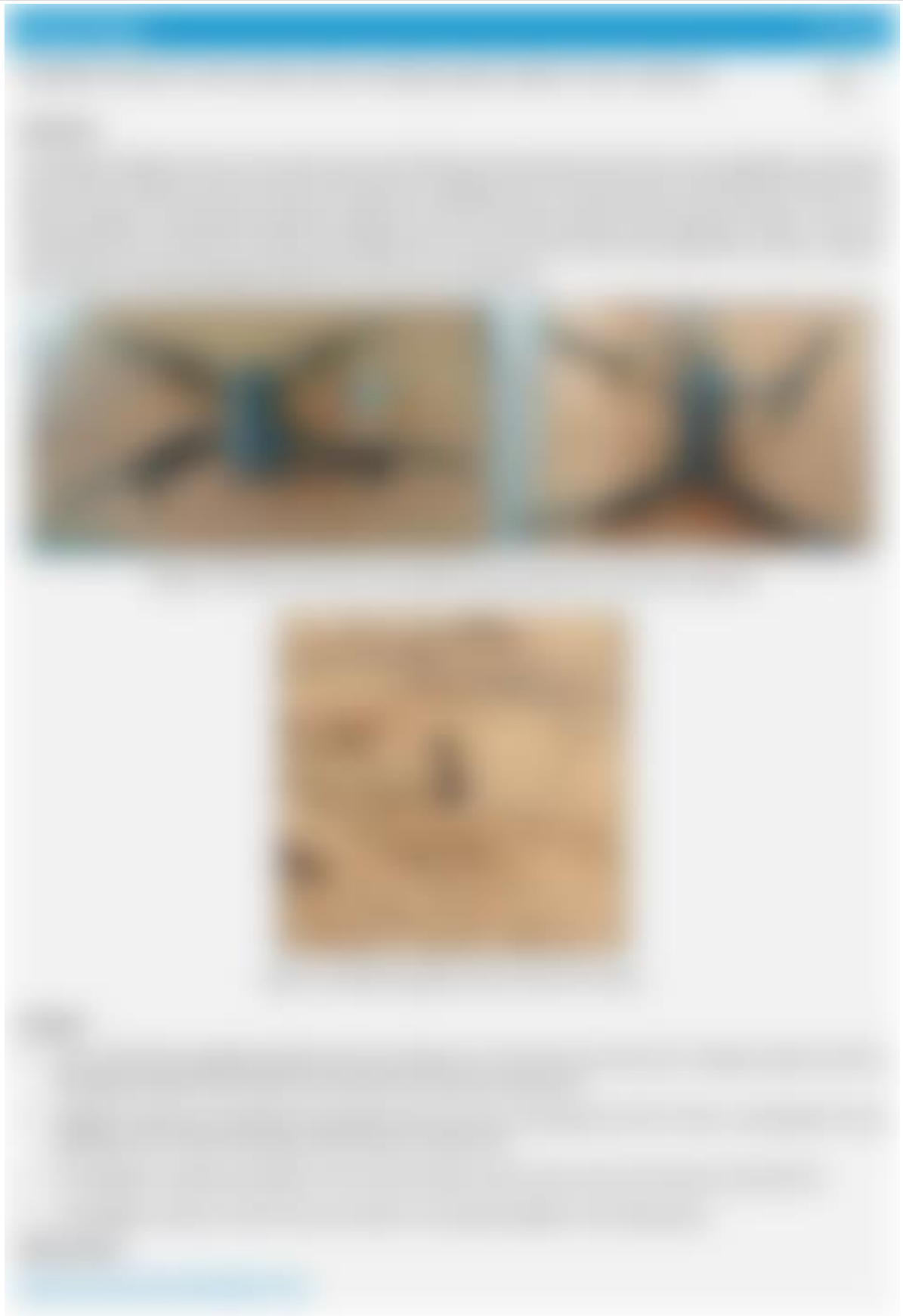


Figure 2: Can't see this? Contact us to sign up for Notify PRIVATE

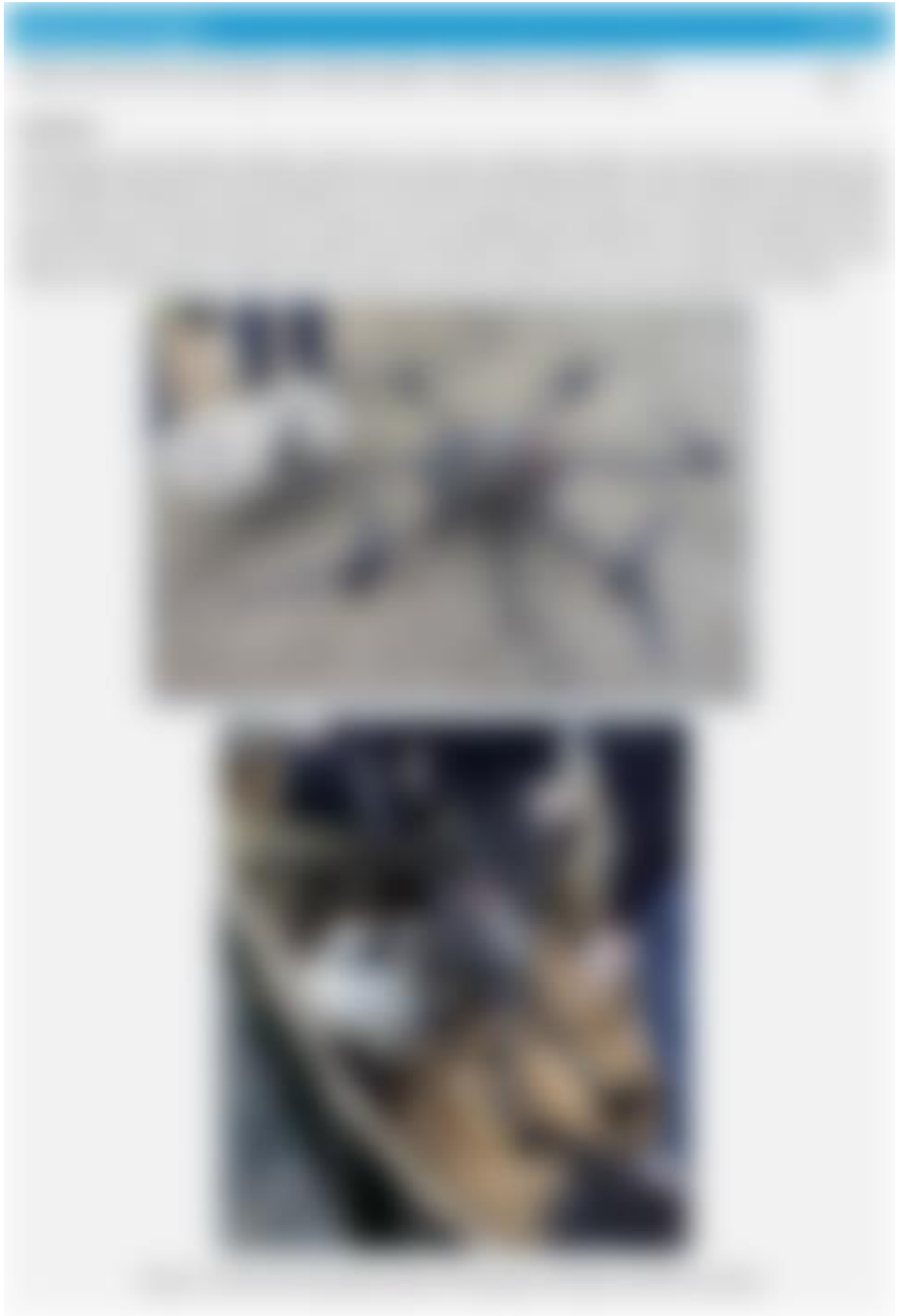


Figure 3: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 4: Can't see this? Contact us to sign up for Notify PRIVATE



Figure 5: Can't see this? Contact us to sign up for Notify PRIVATE

1.2. NON-CONFLICT NEWS AND EVENTS (P3)

RQ-7 Shadow drone crash lands on Wheeler-Sack Army Airfield shortly after take-off, New York

<https://www.syracuse.com/crime/2022/04/unmanned-military-drone-crash-lands-at-fort-drum-airfield-officials-say.html>

Pakistani drone spotted entering India, shot fired by border troops, Gurdaspur

<https://www.aninews.in/news/national/general-news/bsf-sights-pakistani-drone-near-punjab-gurdaspur20220407141310/>

Drone enters restricted military facility in Latvia, public reminded about drone rules

<https://eng.lsm.lv/article/society/defense/public-reminded-about-drone-flying-rules.a451920/>

Man falls to death trying to retrieve crashed drone at The Hawk's Nest, New York

<https://www.usnews.com/news/best-states/new-york/articles/2022-04-06/police-say-ny-man-falls-to-death-trying-to-retrieve-drone>

Resident videos DJI Matrice 200 drone flying near windows of high-rise apartments, Singapore

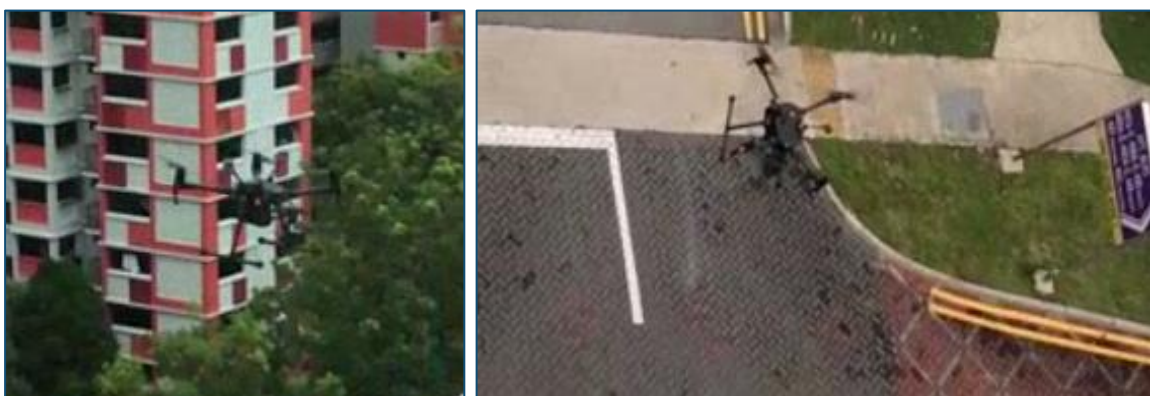


Figure 6: DJI Matrice 200 drone spotted flying near windows of a high-rise residential building

<https://t.me/sgsecret/530>

Aircraft pilot spots drone during approach into Toronto Pearson Airport, Canada

<https://avrodex.com/view/202200488>

Sydney Airport reports drone flying into airspace, reminds operators of risk and laws

<https://www.theleader.com.au/story/7698637/warning-after-drones-enter-sydney-airport-airspace/>

Residents express concern over increasing number of drone flights over Afghanistan airspace

<https://tolonews.com/afghanistan-177541>

Singaporean man flies drone recklessly causing reroutes and closure of runway for 30 minutes

<https://www.straitstimes.com/singapore/courts-crime/man-admits-he-unlawfully-flew-drone-causing-2-rsaf-aircraft-to-re-route>

4kg of narcotics recovered in Tarn Taran, India, possibly dropped by a Pakistani drone

<https://www.hindustantimes.com/cities/chandigarh-news/bsf-seizes-4-kg-heroin-dropped-via-drone-in-tarn-taran-101649704288800.html>

Two Indian men given warning for flying drone over lighthouse illegally, drone confiscated

<https://timesofindia.indiatimes.com/city/chennai/2-held-let-off-for-flying-drone-over-lighthouse/articleshow/90787539.cms>

1.3. CONFLICT NEWS AND EVENTS (P3)

Two armed drones shot down near coalition Ain Al-Asad airbase, Iraq



Figure 7: Wingtip of a destroyed drone that was targeting Iraqi coalition base

<https://www.rudaw.net/english/middleeast/iraq/08042022>

Two residential houses in Crimea damaged from downed Ukrainian drones

<https://tass.com/emergencies/1435561>

Ukrainian artillery using drone to guide Russian BMP-2 infantry fighting vehicle bombardment

<https://t.me/UkraineRussiaWarReddit/55686>

Russian Orlan-10 drone recovered after being shot down by Ukrainian defences

Figure 8: Russian Orlan-10 drone seized by Ukrainian forces

https://t.me/ukraine_ticker/5322

Russian Orion-E combat military drone shot down by Ukrainian air defences

Figure 9: Remnants of Russian Orion-E drone recovered

<https://defenceaviationpost.com/ukrainian-air-defence-shot-down-russias-powerful-uav-orion/>

Russian suicide drones, possibly Zala Aero KUB-BLA, target Ukrainian border troops at Luhansk



Figure 10: Propellers from a Russian suicide drone which targeted Ukrainian troops

<https://www.facebook.com/DPSUkraine/posts/314758574096353>

Ukrainian Army receives Yuneec H520E drone with thermal vision for reconnaissance missions



Figure 11: Yuneec H520E drone used by Ukrainian Army against Russian forces

<https://t.me/kupyansknews/689>

Russian Orlan-10 drone downed in Izyumske, Kharkiv, Ukraine





Figure 12: Remnants of Orlan-10 drone recovered by Ukrainian forces

<https://t.me/alfaiomi/2363>

Ukrainian Tupolev Tu-143 reported to have been shot down by Russian forces



Figure 13: Recovered Tu-143 drone shot down by Russian air defences

<https://t.me/Partisan2015/41931>

1.4. SOCIALS (P4)

Ukrainian Army strips Russian Orlan-10 drone, finds Canon camera and plastic bottle necks

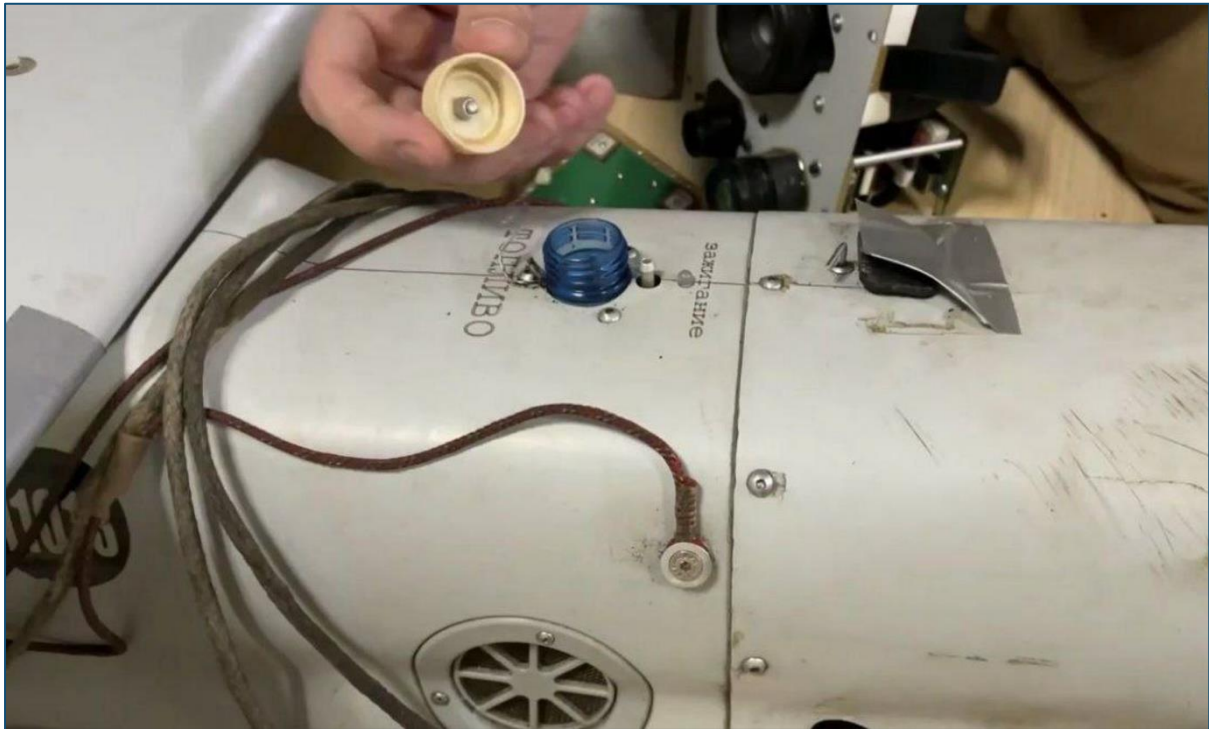


Figure 14: Plastic bottleneck and cap used to contain fuel for the drone



Figure 15: Canon camera used together with thermal vision sensors integrated into the Orlan-10 drone

https://www.reddit.com/r/ukraine/comments/u0rtla/take_a_look_at_the_russian_orlan_drone/

Ukrainian drone follows Russian soldier to base, artillery bombards position

<https://www.instagram.com/p/CcEG73jrGEG/>

Drone footage over Chernobyl shows multiple trenches dug in radioactive soil

https://www.reddit.com/r/UkraineWarVideoReport/comments/txazpt/drone_footage_in_chernobyl_confirms_that_russians/

Drone videos Mariupol residents waiting lines to receive humanitarian aid out of a mall

<https://t.me/sedaykhoy/101953>

Drone overflies Bucha, showing trails of destruction and dead bodies

<https://t.me/DismantleTheCabal/2058>

Drone captures large-scale destruction in Mariupol, Ukraine

<https://t.me/rtnews/23372>

Drone videos Russian tanks destroyed by Ukrainian tracer rounds in Mariupol

<https://www.thesun.co.uk/news/18203607/incredible-moment-russian-tanks-blown-up-tracer-rounds/>

Shanghai citizens continue to use drones for deliveries during latest lockdown

<https://t.me/comments4optiongame/88257>

AeroVironment Puma drone gets crushed under Humvee during training launch

<https://www.instagram.com/reel/CcNlqK-lzfb/>

Russian MoD releases drone footage on destruction of Ukrainian tank

<https://t.me/sputniknewsus/11656>

Russia releases video of Orion-E combat drone destroying Ukrainian armour

https://t.me/voice_of_russia/5250

1.5. WHITEPAPERS, PUBLICATIONS & REGULATIONS (P4)

2013 Texas drone surveillance law struck down for violating the First Amendment

<https://dronelife.com/2022/04/04/texas-drone-law-struck-down-restrictions-violate-first-amendment-rights/>

Kuwait restricts registration of drone permits until further notice to reduce drone incidents

<https://gulfnews.com/world/gulf/kuwait/kuwait-restricts-drone-permits-1.1649760804340>

United States reports more than 9,000 cross-border flights carried out by Mexican cartels in 2021 (Commentary)

<https://www.judicialwatch.org/cartels-fly-drones-into-us/>

Ukraine reports using drones to acquire positions of Russian forces for strikes (Commentary)

<https://www.sq.com.ua/rus/novosti/11.04.2022/v-xarkovskoi-oblasti-povtorno-unictozili-ukreplenie-rossiiskix-voisk>

Israel loses air superiority over Lebanon due to increasing drones shot down (Commentary)

<https://www.middleeasteye.net/news/israel-air-superiority-lebanon-damaged-after-drones-downed>

Pentagon trains Ukrainian soldiers to use armed drones against Russian forces (Commentary)

<https://bdnews24.com/world/2022/04/07/the-pentagon-trains-ukrainian-soldiers-to-use-armed-drones-against-russian-forces>

Inside the elite Ukrainian drone unit founded by volunteer IT experts (Commentary)

<https://www.businessinsider.com/inside-the-elite-ukrainian-drone-unit-volunteer-it-experts-2022-4>

<https://twitter.com/SquidScream/status/1512906112286212099>

<https://www.instagram.com/p/CcleBCSDD0S/>

<https://www.instagram.com/p/CbztJYttTXo/>

1.6. COUNTER DRONE SYSTEMS (P4)

Ohio prisons to get a total of nine counter drone systems to battle contraband deliveries

<https://www.thestate.com/news/business/technology/article260336775.html>

Ukraine deploys anti-drone jamming guns to its forces on the Donbas frontline

<https://en.defence-ua.com/news/ukraine-deploys-anti-drone-jamming-guns-to-its-forces-on-the-donbas-frontline-1986.html>

Delays in testing C-UAS technologies could impact aviation safety (Commentary)

<https://www.hstoday.us/featured/delays-in-testing-c-uas-technologies-could-impact-aviation-safety/>

1.7. UTM SYSTEMS (P5)

Fear of mid-air collision slows growth in UTM capabilities

<https://www.unmannedairspace.info/commentary/the-real-industry-bottleneck-today-is-the-fear-of-mid-air-collision-icao-drone-enable-2022-webinar/>

1.8. INFORMATIONAL (P5)

United States sends first shipment of 100 Switchblade suicide drones to Ukraine

<https://actualidad.rt.com/actualidad/426358-eeuu-proporcionara-ucrania-cientos-drones>

<https://www.businessinsider.com/us-military-aid-to-ukraine-may-include-handheld-drone-jammers-2022-4>

Germany to get IAI Heron TP combat drones to improve on defence capabilities

<https://www.defencetalk.com/germany-to-get-weaponised-drones-for-the-first-time-78634/>

Law enforcement use drone to remind citizens to adhere to COVID-19 restrictions, Shanghai

https://t.me/police_frequency/66183

Shanghai resident use DJI Mavic 2 to deliver food to one another during COVID-19 lockdown

<https://twitter.com/zhanglifan/status/1511915259103047688>

1.9. DRONE TECHNOLOGY (P5)

Excelerate Technology showcase simultaneous live drone streaming to Scotland Police

<https://www.airmedandrescue.com/latest/news/police-scotland-introduce-simultaneous-live-drone-and-helicopter-streaming>

Chinese state media unveils AR-165 drone equipped with Type 95 assault rifle

<https://www.instagram.com/tv/CcL4p4qDgcr/>

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