

# Remotely Piloted Aircraft System (RPAS)

**KNOW BEFORE YOU GO!**

## DRONES LESS THAN 250 G

DRONES THAT WEIGH LESS THAN 250 GRAMS ARE ALSO KNOWN AS MICRODRONES.

**IF YOU FLY A MICRODRONE, YOU MUST:**

- Fly safely—don't put people or other aircraft in danger.
- Don't fly over people and don't fly over a crowd if you don't have proper insurance.
- Follow the rules. You can't fly over people unless you're properly insured or you're flying in a sparsely populated area.

**YOU SHOULD:**

- Keep your drone below 122 m (400 feet).
- Don't fly over people or over a crowd unless you have proper insurance.
- Don't fly over a crowd unless you have proper insurance.
- Don't fly over a crowd unless you have proper insurance.

**YOU DON'T NEED TO:**

- Register your drone.
- Get a drone pilot certificate.

**MAXIMUM TAKE-OFF WEIGHT**

The take-off weight of your drone must not exceed 250 g (8.8 oz) and the drone must be able to fly in a controlled manner.

Maximum take-off weight of your drone must not exceed 250 g (8.8 oz) and the drone must be able to fly in a controlled manner.

**250g+**

Canada.ca/drone-safety

**KNOW BEFORE YOU GO!**

## WHERE CAN YOU FLY YOUR DRONE? 250 g - 25 kg

**REGISTER YOUR DRONE AND GET YOUR BASIC OR ADVANCED DRONE PILOT CERTIFICATE AT: [Canada.ca/drone-safety](https://canada.ca/drone-safety)**

Use this map to find a site where to fly your drone. <https://canada.ca/drone-safety/drone-tool>

Always respect the privacy of others while flying.

**FLY YOUR DRONE:**

- **see it at all times**
- **122 m** (400 feet) max
- **1.9 km** from the border
- **5.6 km** from airports and aerodromes controlled at a airport
- **away from emergency sites and advertised events**

**BASIC OPERATIONS**

- **30 m** horizontally from buildings

**ADVANCED OPERATIONS**

- **eligible drones:**
- **Swappable from VLOS to BVLOS**
- **by a certified pilot**
- **by a certified pilot**

Canada.ca/drone-safety

Government of Canada / Gouvernement du Canada

Search website / Rechercher le site

Canada / Canada / Québec

## Drone safety

Flying your drone safely and legally, drone registration, drone pilot certification, where and where not to fly, reporting a drone incident.



## Services and information

**Learn the rules before you fly your drone**

Rules and regulations, where to fly, choosing a drone, best practices.

**Drone pilot licensing**

Getting a drone pilot certificate, find a flight school, get permission for special operations.

**Registering your drone**

How to register, benefits, penalties.

**Drone Management Portal**

Access your account to register your drone.

## Most requested

- [Transport Canada Aeronautical Information Manual - see Remotely Piloted Aircraft \(RPA\)](#)
- [Canadian Aviation Regulations - Part IX](#)
- [Standard 921 - Small Remotely Piloted Aircraft in Visual Line-Of-Sight \(VLOS\)](#)
- [Standard 922 - Remotely Piloted Aircraft](#)











## Ukraine's army is using a nimble 'game-changing' drone called The Punisher that has completed scores of successful missions against the Russians, say reports

Alia Shoaib Mar 5, 2022, 2:41 AM



The Punisher drone being deployed in Ukraine. UA Dynamics

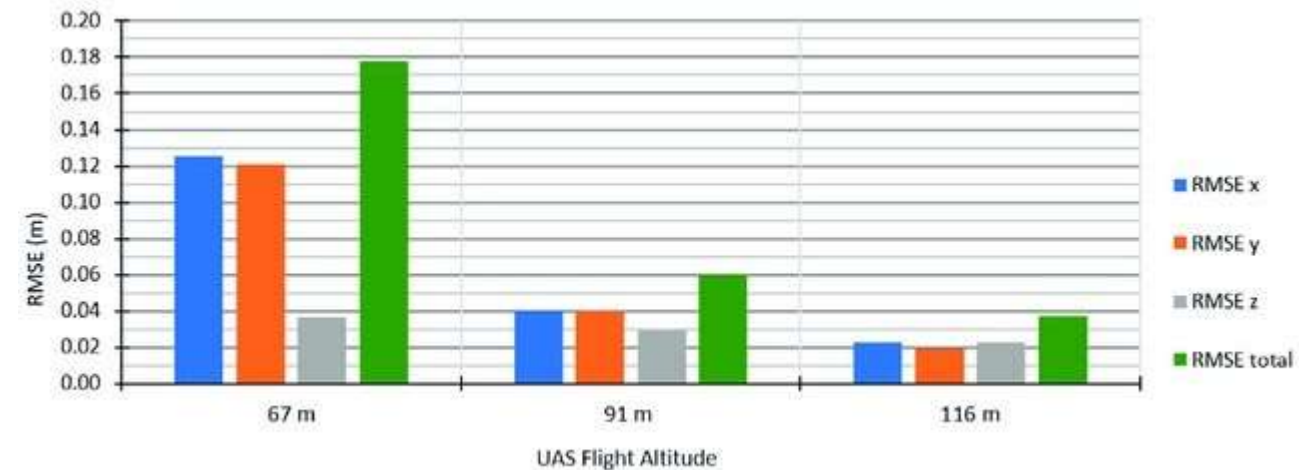
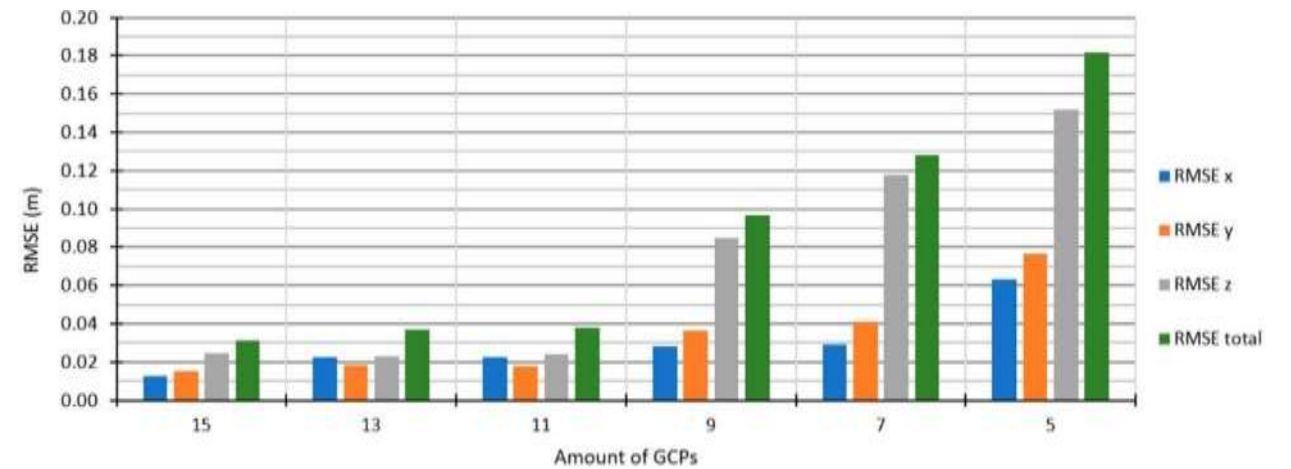
- **Ukraine's military uses stealthy Punisher drones that can fly long distances while remaining undetected.**







# Mission Planning





Respect the Sky



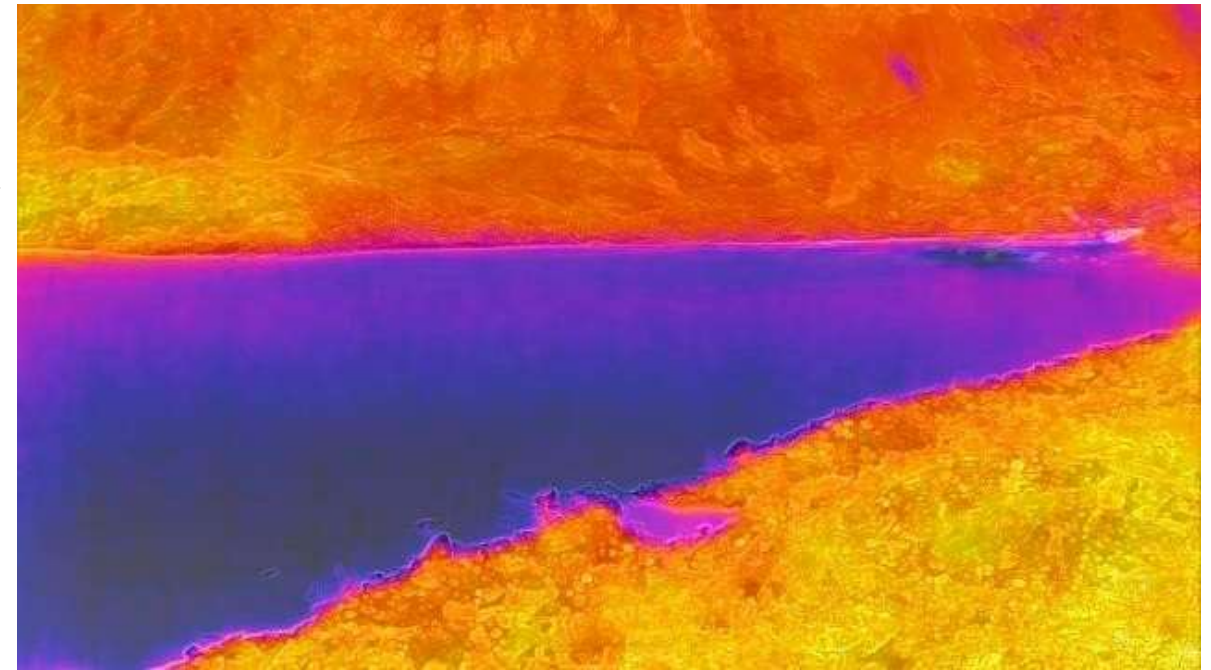
Vybz Kartel - Drone Dem (Official Audio) - YouTube





Review  
**A Comprehensive Review of Applications of Drone Technology in the Mining Industry**

Javad Shahmoradi <sup>1</sup>, Elaheh Talebi <sup>2</sup>, Pedram Roghanchi <sup>1</sup> and Mostafa Hassanalien <sup>3,\*</sup>



[HOME](#) / [ALL PRODUCTS](#) / [MICA-SENSE ALTUM](#)

## MICA-SENSE ALTUM

\$12,439.00 CAD

Options

STANDALONE

WITH DJI SKYPORT (M200 SERIES)


WITH DJI SKYPORT (M300)

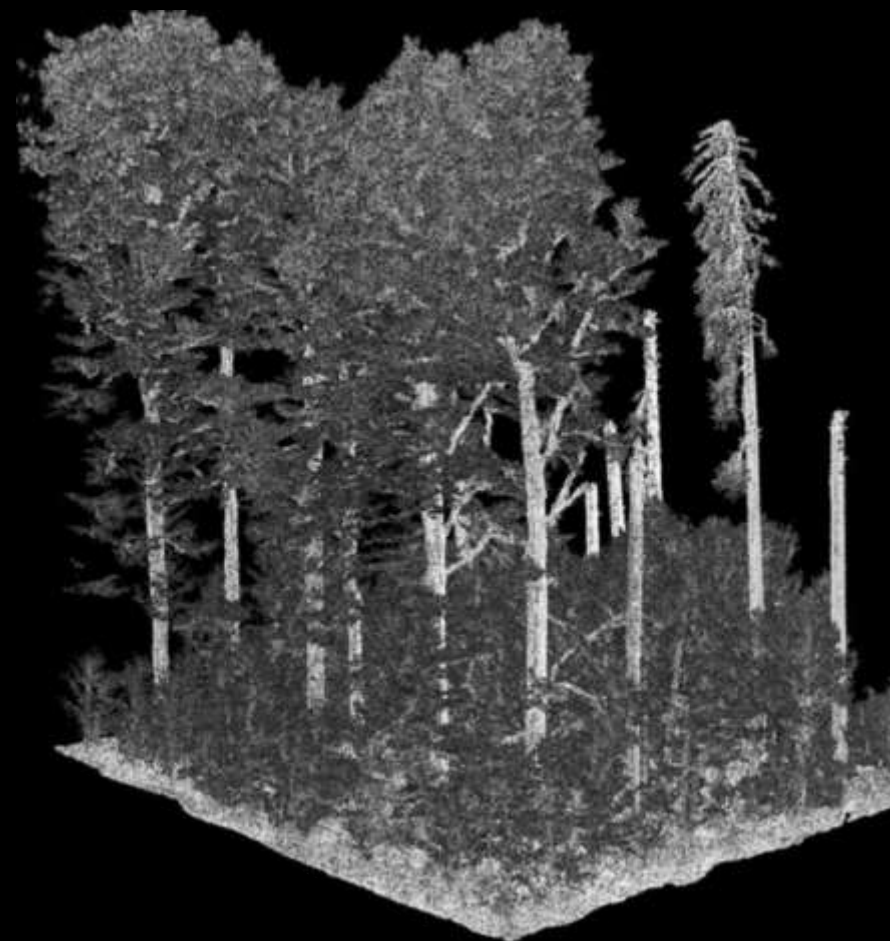
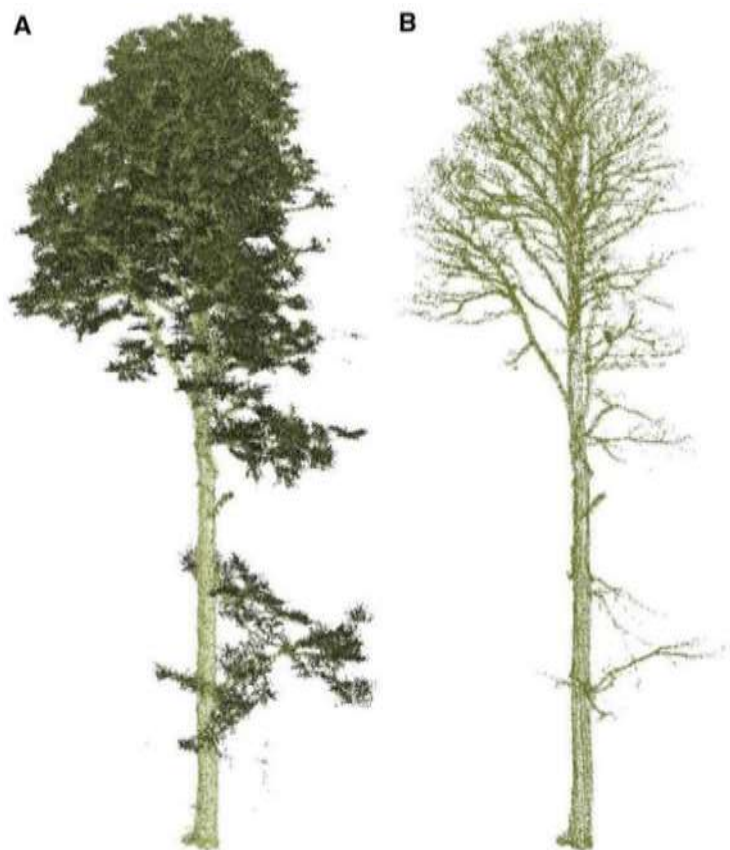






## New Opportunities for Forest Remote Sensing Through Ultra-High-Density Drone Lidar

James R. Kellner<sup>1,2</sup>  · John Armston<sup>3</sup> · Markus Birrer<sup>4</sup> · K. C. Cushman<sup>1,2</sup> · Laura Duncanson<sup>3</sup> · Christoph Eck<sup>4</sup> · Christoph Fallegger<sup>4</sup> · Benedikt Imbach<sup>4</sup> · Kamil Král<sup>5</sup> · Martin Krůček<sup>5</sup> · Jan Trochta<sup>5</sup> · Tomáš Vrška<sup>5</sup> · Carlo Zraggen<sup>4</sup>





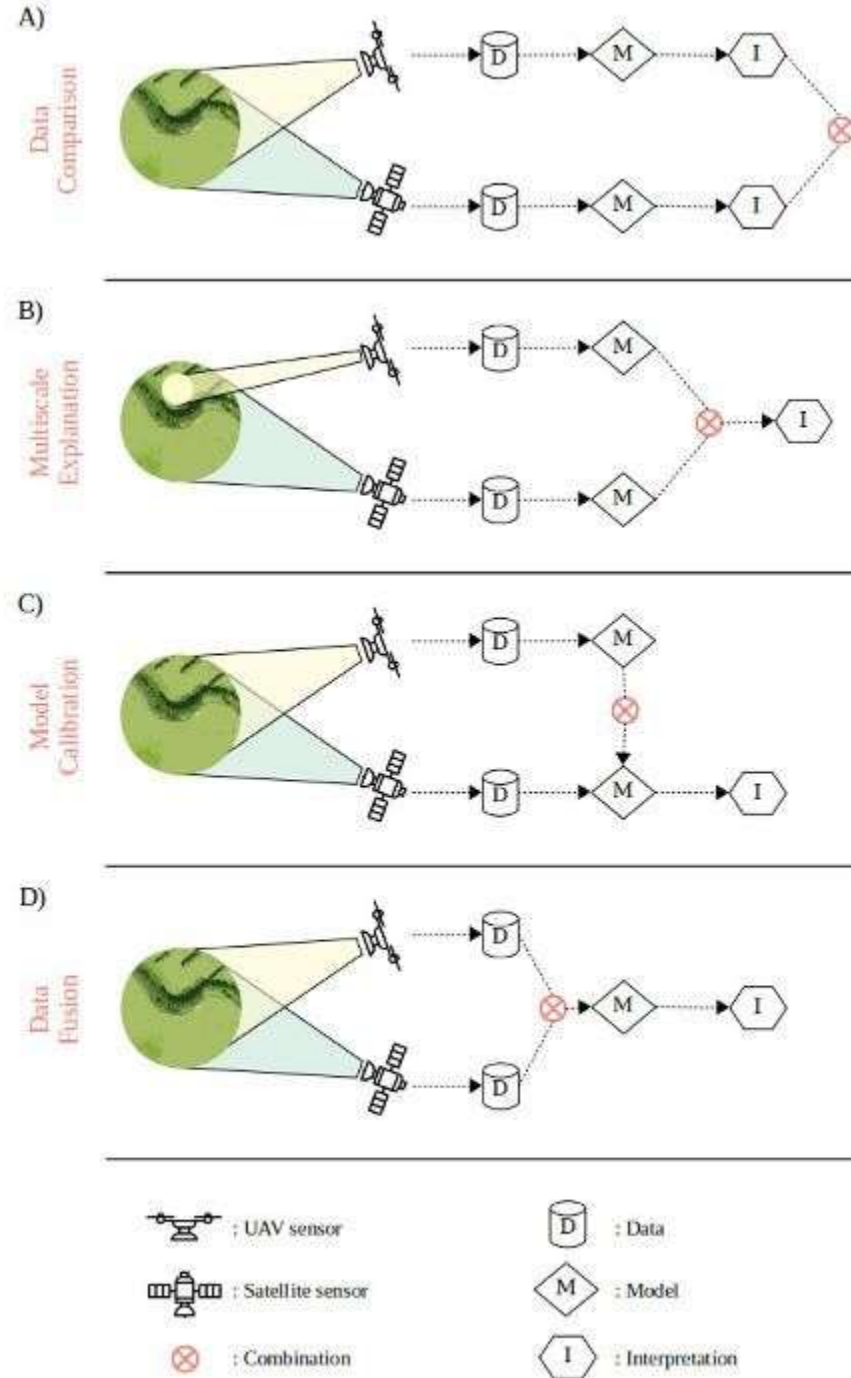


Fig. 3. Diagram of UAV/Satellite strategies.