

# ZW02- II Attack Drones



High Accuracy, Long Range,  
Large Damage, Low Cost

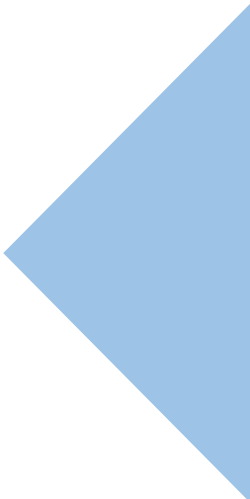




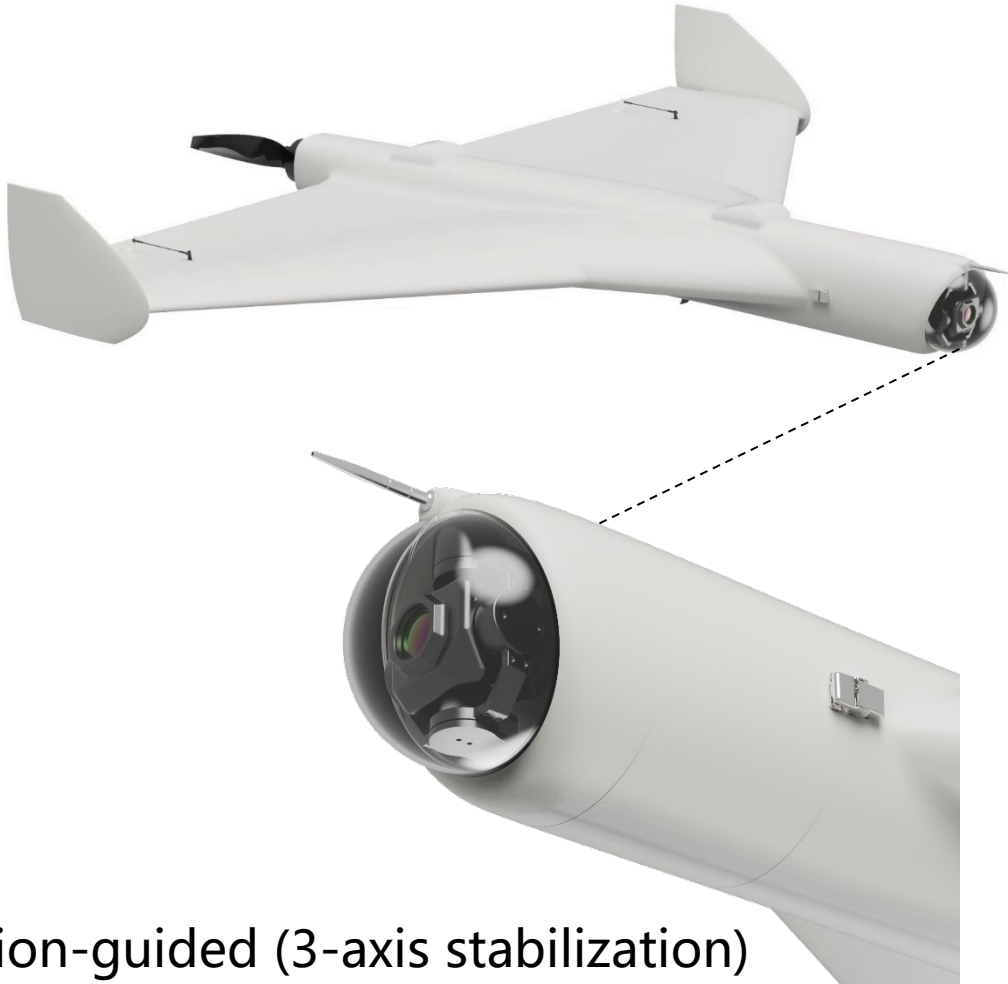
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# Product Introduction



# Characteristic



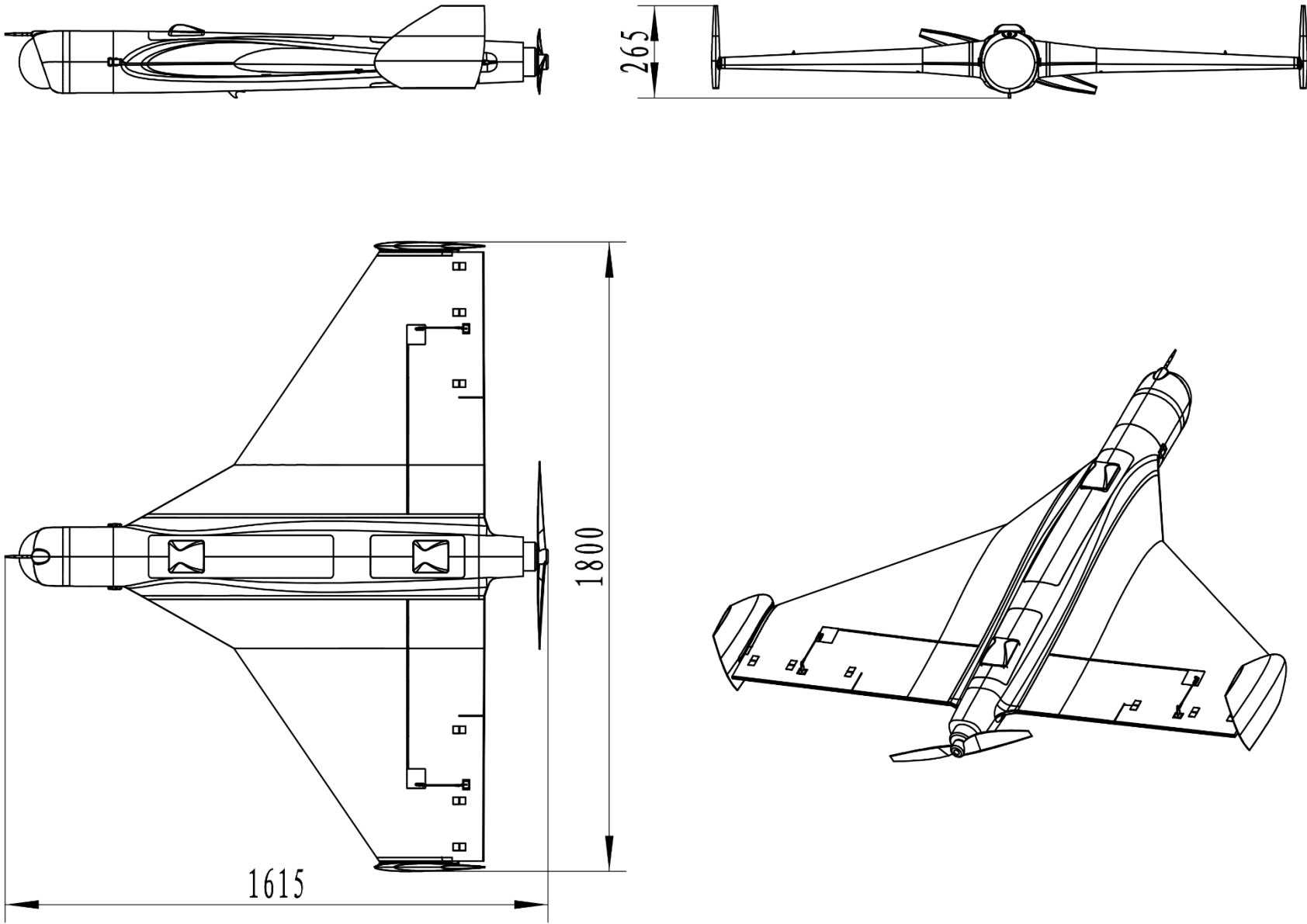
Vision-guided (3-axis stabilization)

**ZW02-II** is a low-cost attack drone with terminal visual guidance capability. The body of the drone is made of composite materials, and the wings are made of EPO material, which makes the body stronger, cheaper, and easier to mass produce quickly.

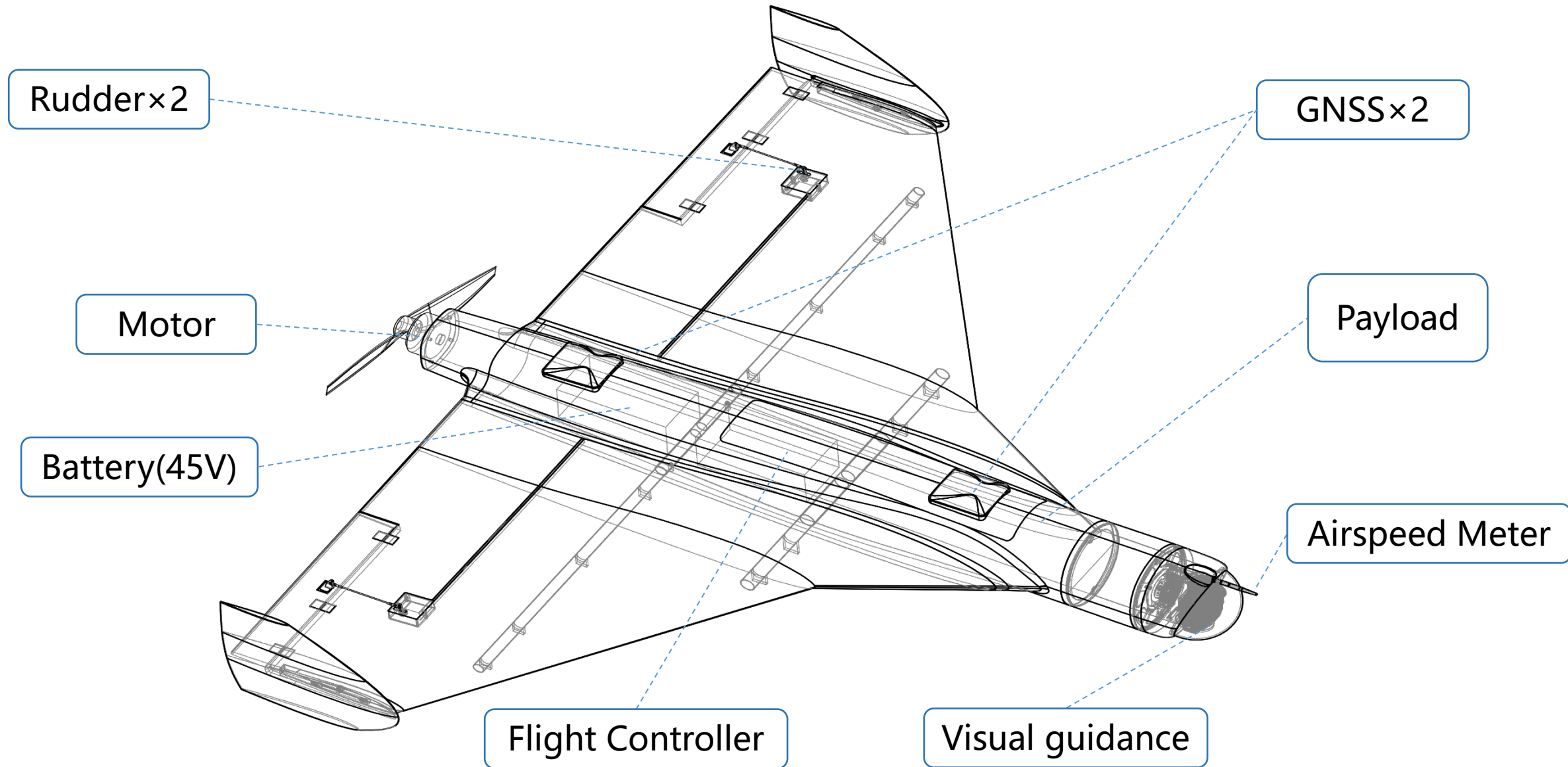
**ZW02-II** uses brushless motors as power, and the motors and other components of the drone are also easily accessible.

The flight control system of the drone is deeply customized according to the application scenario to achieve better control accuracy and anti-interference ability.

# Detailed Parameters(unit : mm)



# Detailed Parameters



# End-of-line guidance capability



Flight height: 400m

Attack location: 800m

# Advantage parameters

## Structural Parameters:

- Wingspan: 1.8m;
- Length: 1.6m;
- Height: 0.3m;
- Head Diameter: 0.1m

## Weight Parameters:

- Full Weight: 16.5kg;
- **Payload: 5kg**

## Flight Parameters:

- Launch Method: Air ejection;
- Cruising Speed: 26m/s;
- Turning Radius: 100m;
- Climbing Speed: 6m/s;
- **Strike Angle: 30-45°;**
- **Endurance: >120min;**
- **Range: >100km;**
- Strike Speed:  $\geq 50\text{m/s}$ ;
- Cruising Altitude:  $\leq 3000\text{m}$ .

## Visual guidance parameters:

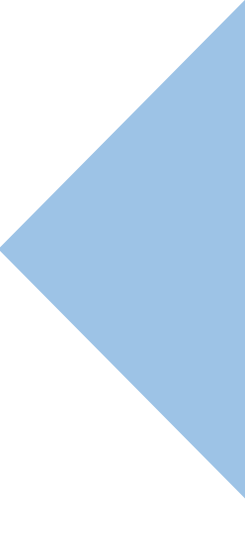
- Number of axes: 3; Heading angle :  $\pm 45^\circ$ ;
- Pitch angle:  $\pm 45^\circ$  ; Image stabilization accuracy: 0.52mrad;
- Optical zoom : 10X; Target detection type : vehicle, person;
- Minimum target size : 36X36 pixel;
- Anti-occlusion time:  $\geq 3\text{s}$ ;



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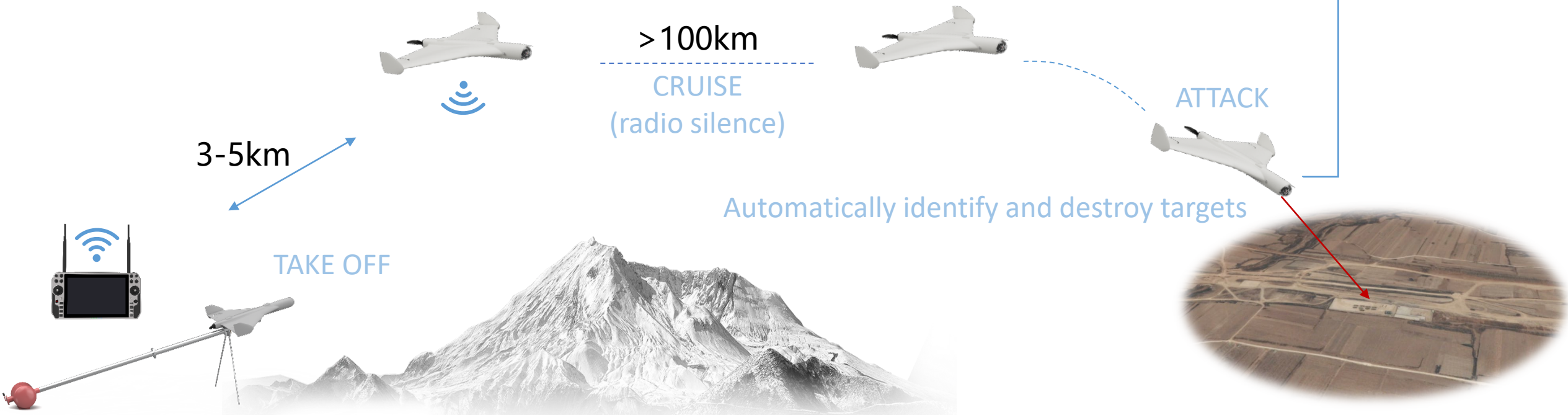
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# **Application Methods**



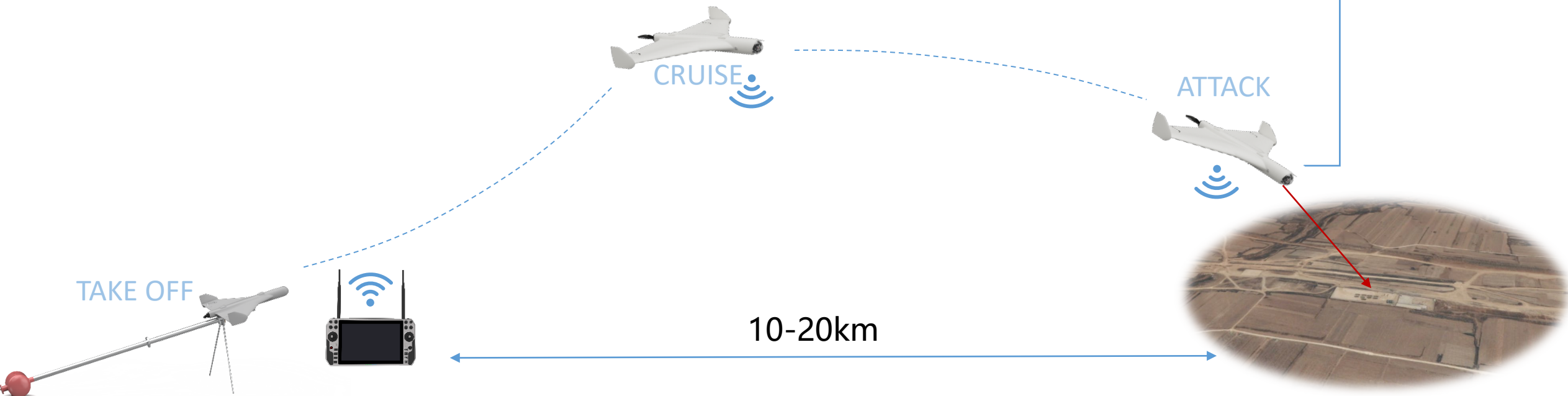
# Application Methods- I (No-man-in-the-loop)

- Need 1 Groups,  
Group1: Carry, release, and control drones to discover and destroy targets, Distance from target greater than 100km
- Advantage: Low cost, Relatively safe, Long strike distance, anti-electromagnetic interference(Just Car or Human)



# Application Methods-II (Human-in-the-loop)

- Need 1 Group,  
Groups1: Carry, release, and control drones to discover and destroy targets, Distance from target is less than 20km
- Advantage: Low cost, Fast strike, Can choose any target



# Application Methods-III (Human-in-the-loop)

- Need 2 Groups,  
Group1: Carrying and releasing drones, Distance from target greater than 100km  
Group2: Control drone reconnaissance and strike targets, Distance from target is less than 20km

- Advantage: Moderate cost, Relatively safe, Long strike distance, Can choose any target



# Application Methods-IV (Human-in-the-loop)

- Need 1 Group,  
Groups1: Carry, release, and control drones to discover and destroy targets, Distance from target greater than 100km
- Advantage: Relatively safe, Long strike distance, Can choose any target

