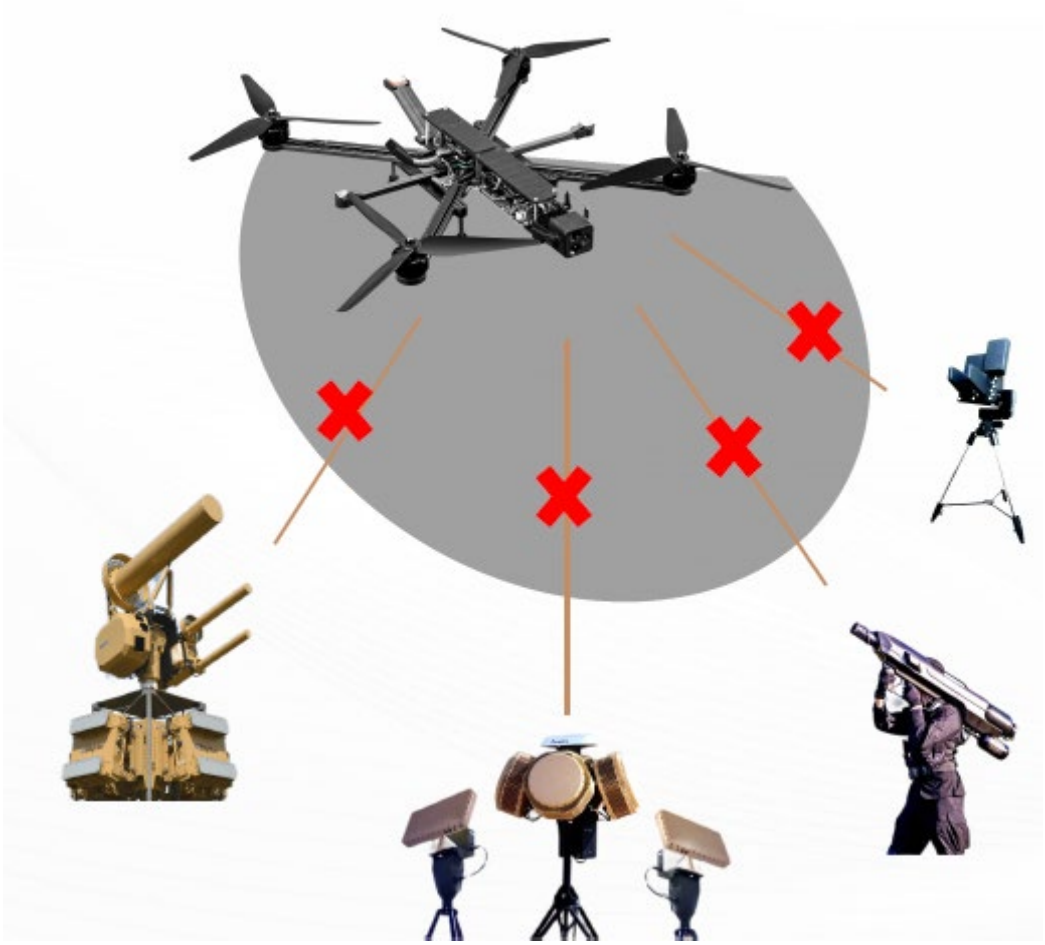
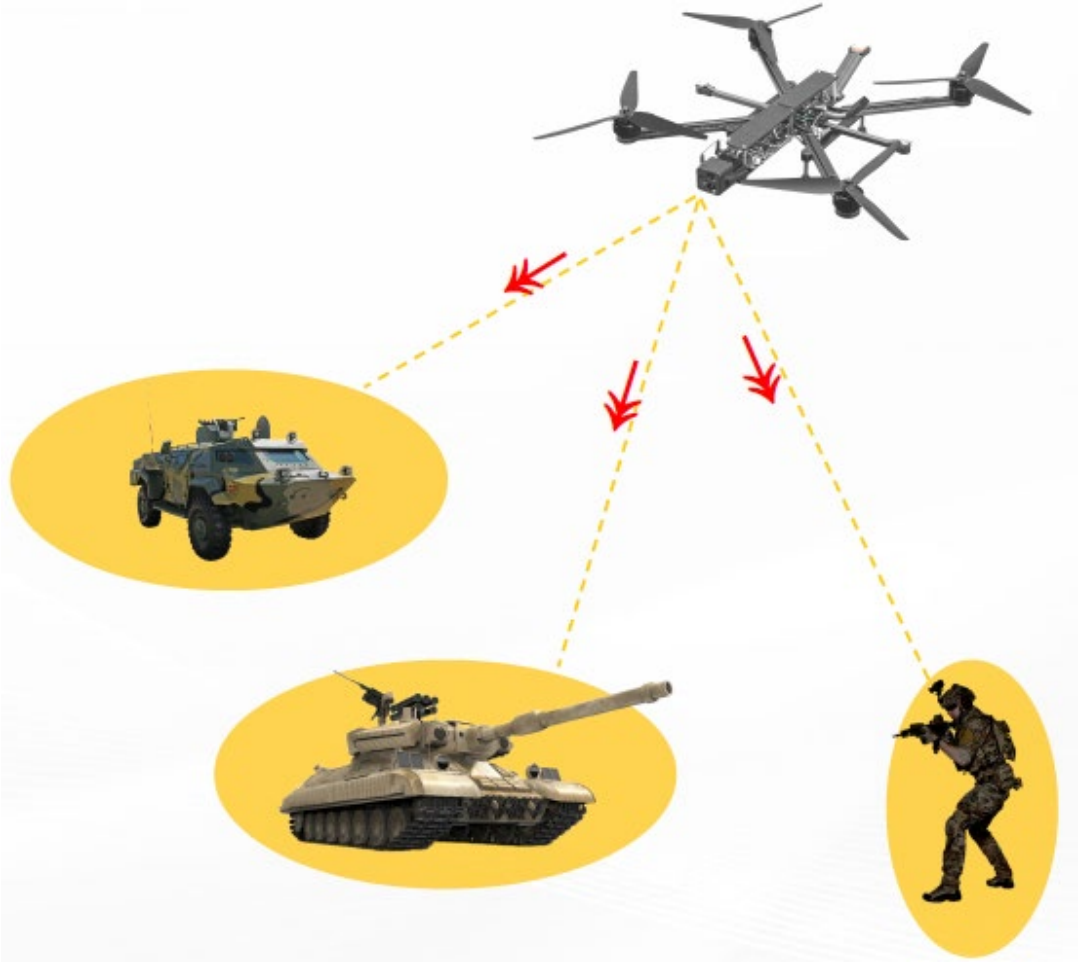
AI UAV System

- Equipped with AI visual navigation, it can operates autonomously without GPS & data signal environment;
- Impervious to jamming systems
- Autonomous target identification and precise tracking
- Long focal length lens + Wide-angle lens +IR camera
- Autonomous flight along preset routes
- Reduction costs

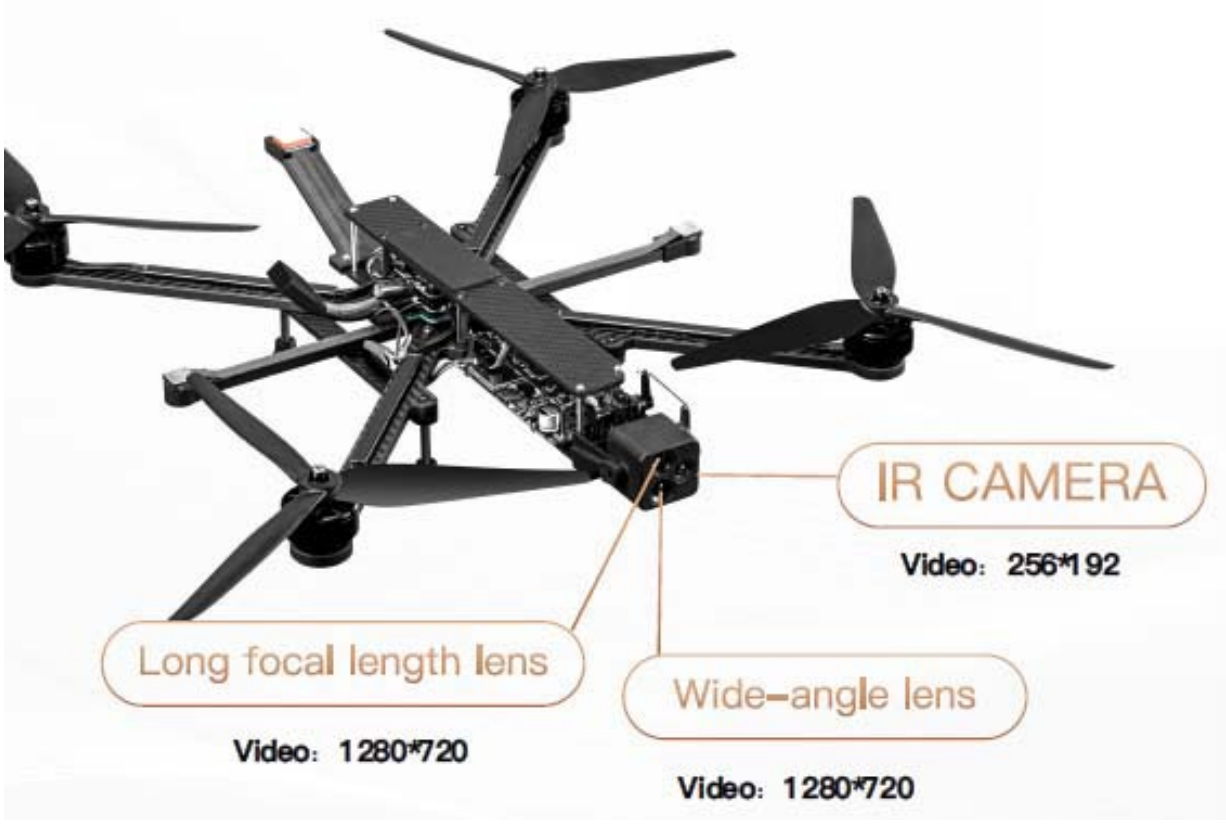
Impervious to jamming systems

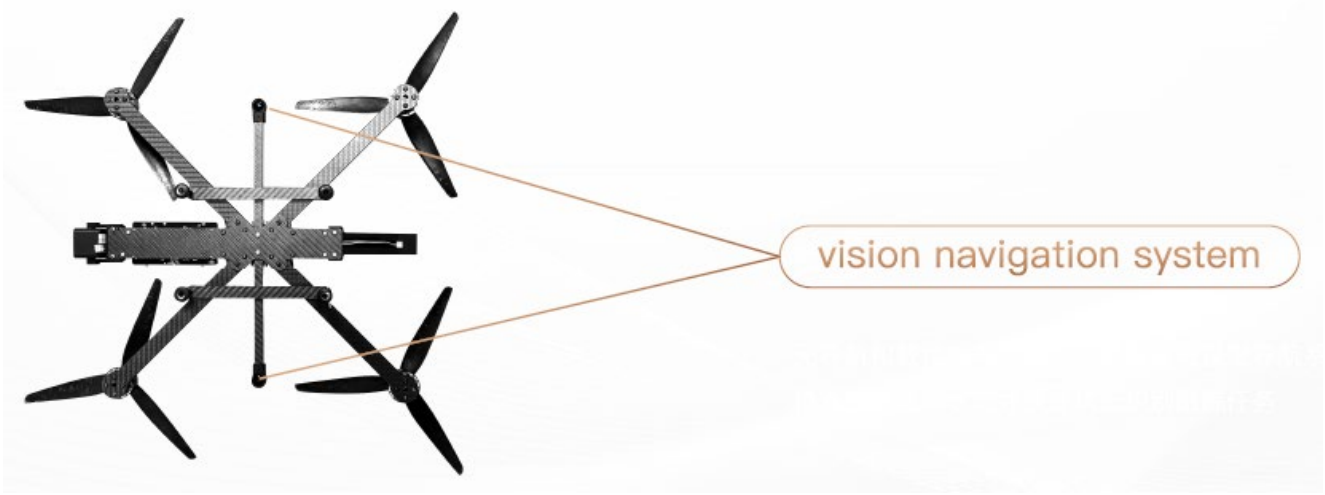


Autonomous target identification and precise tracking



Long focal length lens + Wide-angle lens + IR Camera





- Max speed: 140 km/h
- Wind: 20m/s
- Operating temperature: -20°C ~ 45°C
- Endurance: 40 mins

- Frequency customizable
- Dynamic power adjustment for data link
- Frequency hopping

Multiple Flight Modes

- FPV flight mode
- GPS route flight mode
- VNS visual flight mode

Technical Specifications

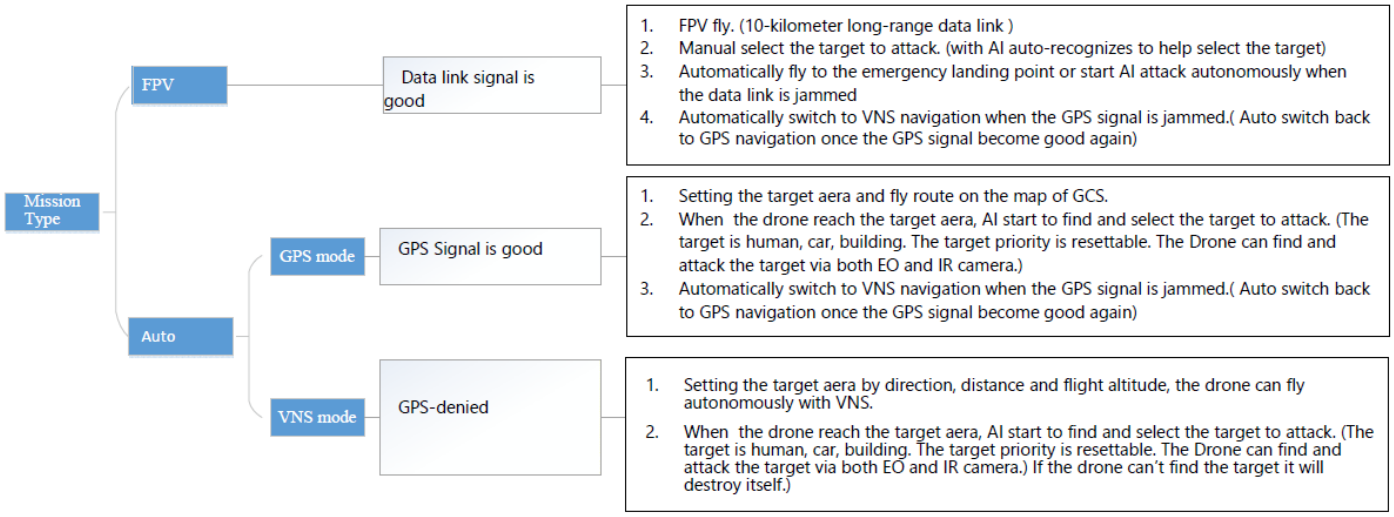
Weight & Dimensions	Body width: 330 mm Body length: 330 mm Body height: 80 mm	**Camera & Resolution**	Long focal length lens 1280*720 Wide-angle lens 1280*720 IR camera 256*192
Performance	Endurance: 40 min (unloaded) Max speed: 140 km/h	**Payload**	1-3 kg
		Temperature	-10°C~45°C
Transmission	Frequency: 400-5000Mhz, customizable Transmission Distance: 10 km	**Wind Resistance**	20 m/s
		Battery	8000 mAh 6s 75C
Flight Modes	FPV flight mode GPS route flight mode VNS visual flight mode	**Motor**	3115 1000 kv
		Visual Navigation	Support

System contents

① 1 AI Drone
② 1 Ground Control Station (GCS)
for real-time video/image display and remote control
③ 1 RC for UAV operation
④ 1 Cable for connecting RC to GCS
⑤ 1 Drone battery
⑥ 1 Adapter for battery charging
⑦ 2 Charging cables
⑧ 1 Shoulder strap
⑨ Ground Control Station Carry Bag

How does the AI drone works?

The AI does two jobs, navigation (VNS) and attack (search and attack the target).



The onboard AI system has advanced algorithms and deep learning, the AI system can classify and identify objects or scenes in images collected by the EO+IR cameras.

Additionally, **AI onboard integrates a visual navigation system**, which can calculate precise positions to provide accurate navigation information for Drone. If there are not GPS signals, it can continue flying along pre-set routes.

Therefore, if jammers devices interfere the AI Drone, causing GPS signals to disappear and data links to be interrupted, it can still autonomously navigate, follow pre-set routes, and perform precise tracking.

(The anti-jammer means "Drones can resist jamming devices' interference."