

CANKUŞ

Vector Spraying Drones

Fast, effective and environmentally friendly solution
against harmful carriers

Complies with the vector
spraying criteria of the
Turkish Ministry of Health
and the World Health
Organization!



Obstacle Avoidance Radar



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Cankuş Vector Spraying Drone

Cankuş Vector Spraying Drones are technologically advanced flight vehicles that offer an effective and environmentally friendly solution against disease-carrying creatures. These drones are used to control populations of vector creatures, especially mosquitoes, ticks, and houseflies. Equipped with GPS, mapping, and autonomous flight systems, Cankuş Vector Spraying Drones perform targeted and precise spraying in a specific area in accordance with the vector spraying criteria of the Ministry of Health of the Republic of Turkey and the World Health Organization.

Cankuş Vector Spraying Drones are equipped with high-capacity liquid, granular or tablet spray tanks and interchangeable spray nozzles. In this way, the drugs are applied to the determined areas evenly in the adjusted amount. Our drones increase spraying efficiency by adapting to weather conditions during flight with auxiliary technologies such as sensors and altimeters and make the necessary reports. In addition, by reducing the need for manpower, it offers a fast and safe solution in hard-to-reach areas, especially in wetlands, swamps and mountainous areas.

This technological solution provides less chemical use compared to traditional pesticide methods and offers an environmentally friendly approach. In addition, thanks to the pesticide application performed by our drones, the negative effects on the surrounding flora and fauna are minimized. Cankuş Vector Pest Control Drones hold an important place in the field of health and environmental protection, providing a modern and effective method of combating vector creatures that threaten public health.

K++ V2 professional flight controller for Spraying Drone

More Backup Safer Flight



CANKUŞ - A50 vector spraying drone is powered by K++ V2. The Flight Controller 2 CPU, 3 IMU and It integrates 2 barometers. Redundant configuration always ensures safer flight. Also, RTK anti-magnetic interference and calibration-free flight controller are available.

Foldable Body

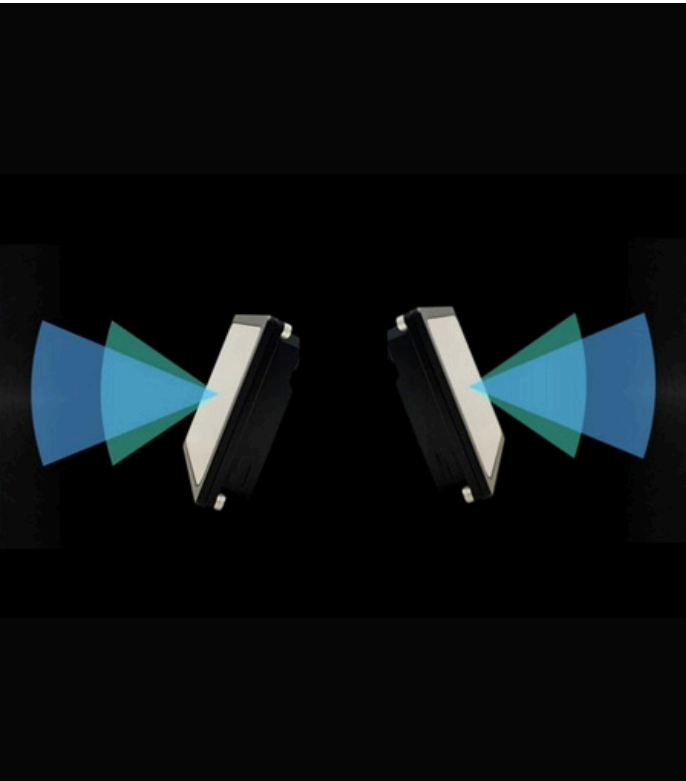
Easy to Fold Easy to Carry

CANKUŞ - A50 vector spraying drone has a foldable design and provides high working efficiency by providing easy portability within the vehicle and ease of transition between different spraying areas.



Intelligent Obstacle Avoidance Radar

Avoid Collision Effortlessly, Ensure Safer Flight

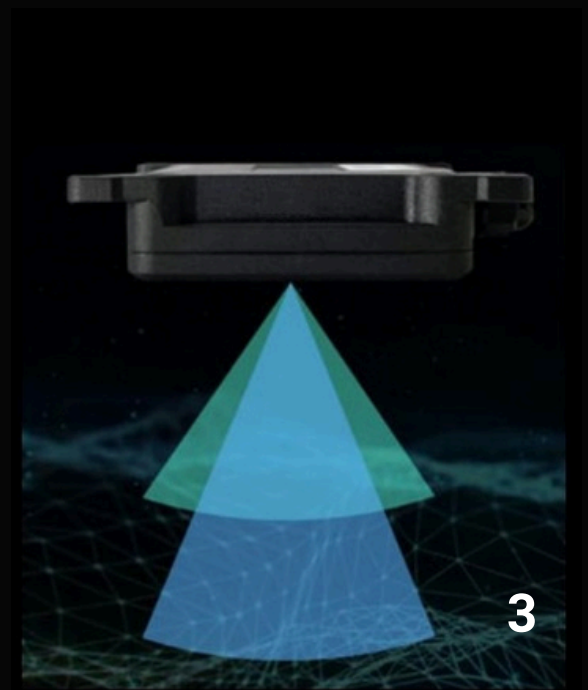


Equipped with front and rear obstacle avoidance radars, the CANKUŞ - A50 vector spraying drone can perform automatic flights without fear of collision and without making any turns.

Smart Altimeter Radar

Precision Spraying with Terrain Following

Thanks to its millimeter-wave terrain-following radar, the CANKUŞ - A50 vector spraying drone maintains a fixed height above the terrain for precise spraying.



Smart Battery and Power System

Increases Efficiency Provides Longer Flight Life

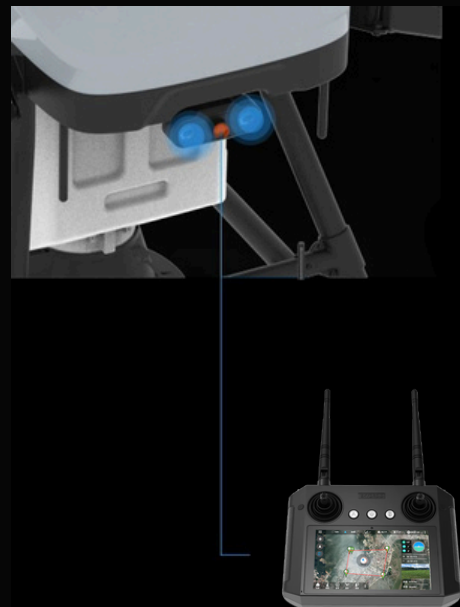


The ability to update the battery and charger provides advantages such as increasing charging speed, extending battery life, adding new smart features and increasing security. It also enables the system to remain compatible with future technologies.

Integrated FPV camera with dual LED spotlight

Sufficient light for night work

The all-in-one camera supported by the CANKUŞ - A50 vector spraying drone integrates the IP65 FPV camera, dual LED spotlight and 1 km image transmission, enabling the pilot to work safely with sufficient light at night.



Specifications

Total weight	31.5 kg (excluding battery) 45 kg (with battery)
Maximum Take-Off Weight	95 kg (with battery)
Maximum Wheelbase	2272 mm
Dimensions	2845mm×2718mm×830mm (open) 1066mm×677mm×830mm (closed)
Flight Duration	No load: 22 min (30000 mAh) Full Load: 12 min (30000 mAh)
Tank volume	50L (recommended 45L)
Spray pump	Volt: 12-18S Power: 30W*2 Maximum flow rate: 8L/min*2
Nozzle	Volt: 12-18S Power: 500W*2 Atomized particle size: 50-500 μm
Spray width	4-12 m
Applicable Granules	0.5-6 mm dry solids
Spreading width	8-12 m
Recommended operating temperature	10°C to 60°C
Avoiding obstacles	360° obstacle avoidance radar
Remote control	Resolution: 1080*1920 Display screen: 7 inches

Package Included

CANKUŞ - A50 Vector Spraying Drone



H12 Widescreen Remote Control



18S 30.000 mAh Battery x3



9KW Battery Charger



50 lt. Liquid Tank



75 kg Solid Spraying Tank

