

AresX™ Drone

Fixed Wing of High Wing V Tail



AresX™ Reconnaissance fixed wing UAV is long time for sailing and long distance. Maximum sailing time is 135min. It can carry the module of 18 multiples visible light camera. Maximum communication distance is 22km. It can carry the Infrared imaging camera module. It can provide picture that is HD thermal infrared imaging, and complete aerial investigation of day and night. It can stand on the ground, control platform and watch in real time, save the transmitting video in real time; it can autonomously rise and land, fly on airline, it has the function of turning to fly in real time. It has various safeguard, when the UAV is out of control, it can automatically return. It will warn when battery is low. It can automatically return when the remote signal is interrupted.

TECHNICAL PARAMETERS

Body Material	2 Composite material of impact resistance (velocity of impact resistance is less than 15 km/h, free fall height is 2 meters, immediately UAV can take off.)
Wingspan	2,100 mm
The Length of UVA	1,230 mm
The Standard Weight of Departure	7,000 g
Effective Load	1,500 g
Maximum Speed	110 km/h
Maximum Sailing Time	135 min
Taking Off Way	Ejection, it has the ejection ability of in the car
Recycling Way	Parachute landing/Runway landing
The Classification of Wind Resistance	Strong breeze
Control Method	Full-autonomous/Wireless remote
Flight Path/Height Precision	≤ 5 mtrs (less than or equal) ; Vertical ≤ 3 mtrs
Communication Distance	22 km
Max Climbing Speed	27.8 m/s ; 19.5 m/s (when height is 500 mtrs)
Standard Battery Capacity	10,000mAh Li battery
Engine Type	BLDC
Unfolding Ability	Quick plug structure, unfolding time less than 2 min.
Operating Temperature (with Battery)	-20°C ~ 60°C
Load Change	Replaceable loads of various missions