

VTOL Drone Swallow

- Design for ISR (Intelligence, Surveillance and Reconnaissance) applications
- Long endurance and large-scale patrols up to 100km
- Portable and assembly on site in 90 secs
- Incorporated with edge-AI payload which comply NIIRS6 recognition



Specifications	Swallow
Drone type	electric vertical take-off and landing (eVTOL)
Dimensions	53 x 260 x 175 cm [H x W x L]
Weight	13kg empty 21kg with Battery 25kg max. Take-off Weight
Cruise Speed	20-28m/s default: 24m/s
Max. Travel Distance	>85km
Max. altitude	>2000m
Payload	4kg max. weight
Ingress Protection Rating	IP54
Flight Time	>90 minutes (w/o payload) , >60 minutes @4kg payload
Operation Temperature	-10°~50°
Max. Wind Resistance	15m/s gusts (Beaufort scale 7)
Navigation System	GPS/RTK

Camera Payload

Specifications	OwlEye 11 L
EO camera	4K, 18x optical ZOOM, NIIRS6
IR camera	Resolution: 480P, Digital ZOOM:2x
Laser Range Distance Detection	Max distance: 3KM. Accuracy +/-3m
Gimbal Controllable Range	Pitch: +45°~-90°; Yaw: -175° to +175°
Imagery Ability	NIIRS 6
AI tracking	Target identification, acquisition, tracking, following

- Radio connectivity / channels could be based on customer's requirement meeting regulations of different countries.

