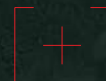


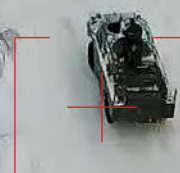
TEKEVER



# AR3 HOT-SWAPPABLE VTOL INTEGRATED SAR

A modular & transformable asset, with optional VTOL capability, for extended aerial operations, especially in difficult terrain conditions. AR3 - VTOL option is the ideal choice for meeting evolving mission requirements.

- ★ ISTAR Missions
- 📍 Wide Area Surveillance
- 🛡️ Border Protection
- 🌊 Maritime Surveillance
- 📶 Communications Relay
- 🚗 Pollution Monitoring
- 🏠 Infrastructure Monitoring
- 🎯 Artillery Correction



EASY  
LAUNCH &  
RETRIEVAL

ITAR  
FREE

LOWEST  
TOTAL COST  
OWNERSHIP



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## AR3 BESPOKE FEATURES, BATTLE-TESTED:

Swappable modular communication that enables operators to rapidly swap their radio bands in the field to match allied communications networks or frustrate enemy detection

Optional radios (Silvus and Persistent Systems C-band and S-band radios), combined with TEKEVER designed extended LRTA for increased RLOS ops (2, 3 and 4 dishes, depending on radio model) - successfully operated over 220Km

Built for enhanced operations in jammed environments with multi-layered systems of EW resilience:

- Modular CRPA antenna with full range of options
- Alternative navigation sensors
- Unique anti-spoof autopilot coding
- 'No GPS' operator mode to enable flight operations in completely jammed environments - GPS denied operations

- Specially designed and proven low RCS to minimise radar detection against a wide range of military radar systems
- Heated pitot tubes to enable ops in icing conditions
- Higher powered engines to enable operations at higher altitudes, with steeper ascend/descend
- Low logistics footprint, system integrated into multiple vehicle fits
- Complex network architecture to enable meshing heterogeneous communication channels (e.g. radio link, starlink, SATCOM)

## AR3

	Wingspan	4.2 m
	Length	1.7 m
	MTOW	25 kg
	Payload Capacity	4 kg
	Flight Endurance	8 - 16 hours payload dependent
	Service Ceiling	3,600 m
	Comms Range	230 km
	Cruise Speed	85 km/h
	GCS	Common GCS with AR4, AR3 and AR5 Supports multiple operators and aircraft
	Launch Method	VTOL or Pneumatic Launcher
	Recovery Method	VTOL or Parachute/Net/Belly/Water



5 minutes from case to airborne



VTOL and fixed wing system - 2 in 1

## PAYLOAD SENSORS OPTIONS

- |   |                          |
|---|--------------------------|
| Hoodtech Alticam 06E0IR / 06E0 / 06E0 LD    | Octopus Epsilon 140      |
| TEKEVER EO + LWIR Gimbal                    | TEKEVER EO + MWIR Gimbal |
| Trillium HD55-LV / HD55-MV / HD55-VV / HD45 | Next Vision Raptor       |

## PAYLOAD OPTIONS

- |                                    |   |
|------------------------------------|---|
| Laser illuminators and rangefinder | Multiple options for E0 sensors                             |
| Communication relay systems        | Multiple options for near-infrared to LWIR and MWIR sensors |
| VHF Comms                          | SAR (Synthetic Aperture Radar)                              |
| Laser Designator                   |   |



Integrated synthetic aperture radar