

UAV Product Brochure



Aerosys Technology Limited

Compliance Notice

01



Product Modification Responsibility Clause

All our products are equipped with built-in anti-tamper and anti-disassembly mechanisms. Customers shall operate the equipment strictly within legal scope. Unauthorized disassembly or modification of hardware and software is prohibited. Aerosys Technology shall bear no legal or economic liabilities for equipment lock-up, failure to take-off/land, personal injury, property loss, data loss or any other consequences arising from unauthorized modification.

02



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This product is for lawful civilian and compliant research purposes only. It is strictly forbidden for military, defense-industry, aerospace-armament, armed-conflict-related applications. Resale or transfer of the product to war-torn zones, sensitive controlled regions, sanctioned-list entities, terrorist organizations and other restricted parties is prohibited.

03



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04



General Safety Principles

All business operations and usage of the products shall prioritize people's lives and property safety.
All business operations and usage of the products shall take safeguarding China's national security as the paramount core principle.

05



Restricted Cooperation Zones

No entity or individual may use this product for any form of cooperation (including but not limited to R&D and testing) with Japan, China Taiwan region, the Philippines, India, or any country/region that has not established diplomatic relations with China.

06



Disclaimer

This product is sensitive-related and shall not be used for any illegal purposes. Any direct or indirect use of Aerosys Technology products constitutes unconditional acceptance of the full content of this statement.

Company Profile & Notice

01

Company Information



- Company Name: Aerosys Technology Limited
- Production Base: No.388 Zhengwei East Road, Kunshan City, Suzhou, Jiangsu Province
- Enterprise Positioning: R&D, integration, testing of UAV systems and solution-oriented services
- Brand Orientation: Technology-driven, Global-oriented, Professional-oriented

02

Data Notes



- Data on the following pages are obtained from Aerosys Technology's technical documentation. Actual performance may vary slightly due to product individual differences, software versions, operating conditions and environmental factors. Please refer to real-world conditions.
- Due to real-time changes in product batches and supply-chain factors, Aerosys Technology reserves the right to adjust and revise textual descriptions, graphic effects, specifications and component information shown on pages.
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03

After-sales Service



- 1-year warranty for UAV airframe shell.
- 1-year warranty for engines/motors, flight control systems, mission payloads and other equipment.
- Consumables including packing cases, batteries, propellers, installation tools, bolts, nuts, feeders and connectors are not covered by warranty.
- Component replacement depends on assessment of user's self-maintenance capability. Factory return is required if users lack relevant capability.
- Dedicated technical engineer team provides online support. Please contact your regional manager for assistance.

04

Insurance Service (Optional)



- Airframe / Equipment Loss Insurance
- Third-Party Liability Insurance
- Users may choose insurance plans recommended by Aerosys Technology or purchase insurance independently.



All rights of final interpretation belong to Aerosys Technology

Aerosys Technology Limited

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AEROSYS UAV PRODUCT COMPLIANCE NOTICE

[PRODUCT MODIFICATION LIABILITY]

All products supplied by Aerosys Technology incorporate built-in anti-disassembly and anti-tampering mechanisms. Customers may use the equipment only within legally permitted boundaries and must not dismantle or modify any hardware or software without authorization. Aerosys Technology assumes no legal or economic liability for device lockout, inability to take off or land normally, personal injury, property damage, data loss, or any other adverse consequence caused by unauthorized modification.

[RESTRICTIONS ON USE]

1. These products are limited to lawful personal civilian use and compliant scientific research. Use in military activities, the defense industry, aerospace armament, armed conflict, or any related field is strictly prohibited.
2. Resale or transfer to war zones, sensitive controlled areas, sanctioned entities, terrorist organizations, or any other restricted party is prohibited.

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[GENERAL SAFETY PRINCIPLES]

1. Protecting the lives and property of the public is the first principle governing all business and use involving these products.
2. Safeguarding China's national security is the overriding principle governing all business and use involving these products. No organisation or individual may use this product to engage in any form of cooperation—including, but not limited to, the establishment of research, development and testing activities—with Japan, the Taiwan region of China, the Philippines, India, or any country or region that does not have diplomatic relations with China.

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Overview of Reconnaissance UAV



AT-RS4T



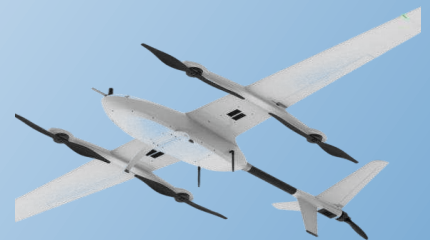
AT-RS9



AT-VT07



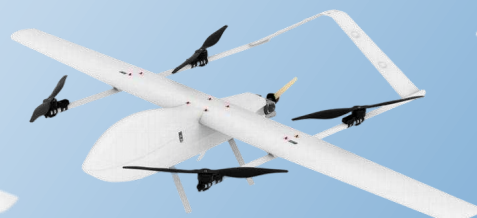
AT-VT10



AT-VT15



AT-VT22



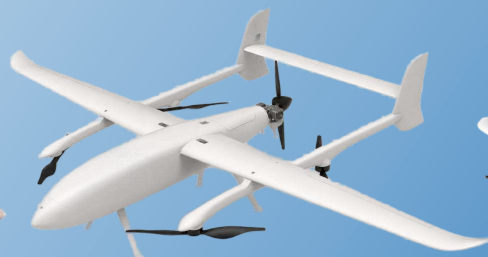
AT-VT45



AT-VT75



AT-VT190



AT-VT10Y



AT-VT18Y

AT-RS4T

AT-RS4T is a compact quadrotor inspection UAV. It is equipped with a high-performance 3-axis four-light gimbal integrating visible-light, thermal imaging and laser ranging capabilities. It meets inspection requirements for public safety, river regulation, solar power, power pipelines and other industries. An optional autonomous dock enables fully-automated unmanned inspection operations.



Product Specifications

Diagonal Size	433 mm	Flight Range	25km
Unfolded Dimension	400×308×166 mm	Positioning	V±0.1m/H±0.1m
Maximum Flight Time	45 min	Max Speed	18 m/s
MTOW	2000 g	Climb/Descent	5m/s / 3m/s
Battery	14.8 V 12 Ah	Wind Resistance	11 m/s
Operating Temp.	-10°C to 50°C	Ceiling (ASL)	4500 m



Integrated Operation Controller

AT-RS4T

Aircraft Platform

Dual-bandlink·Visible·Thermal·Laserranging·Remotemissions



Three-axis Four-light Stabilized Gimbal

Applications



Visible, thermal and long-range zoom sensing support routine patrols, priority-area watch and incident awareness.



Inspect river corridors, embankments, culverts and outfalls; use long-range imagery to identify floating debris, shoreline issues and suspected discharge points.

AT-DK01



AT-DK01 dual-bay automatic dock supports unattended all-weather operations. Compatible with multiple UAVs including AT-RS4T quadrotor for automatic inspection missions.

Product Specifications

Closed Size	672.8×664×645 mm	Excludes top sensors
Open Width	1570 mm	Both doors fully open
Work Area	846 mm	Effective internal length
Door Span	1288 mm	Open-door envelope
Net Weight	62.5 kg	Includes A/C, UPS and controller
Mounting&Protection	Ground/ Platform; IP55	All-weather outdoor use

Dock Controller

Ethernet / Cellular

Cloud Platform

O&M Terminal

Applications

Desert Solar-farm Inspection



Fire Emergency Reconnaissance



Gas-pipeline Corridor Inspection



River&Flood-control Inspection

AT-RS9

AT-RS9 is a heavy-duty hexacopter UAV with robust airframe. Equipped with multi-constellation RTK high



Product Specifications

Number of Rotors	6	Weight (excluding gimbal and camera)	5.8 kg
Wheelbase	850 mm	Max Flight Time (no-load)	62 min
Battery	2 pcs	Max Flight Speed	S-mode: 20 m/s P-mode: 15 m/s
Max Payload Weight	3 kg	Max Flight Altitude	5000 m (Payload ≤ 1 kg)
Maximum Take-off Weight	15 kg	Landing Gear	Non-retractable landing gear
Max Control Range (line-of-sight, no interference)	FCC: 15 km CE: 8 km		
Obstacle Detection Range	Forward Radar: 0.2-50 m; Downward Radar: 30-100 m		
IP	IPX4~IPX5 (motors excluded: IP44~IP45)		
Supported Gimbal Modes	Single-down, Single-up, Single-down + Single-up		
Satellite Navigation Module	GPS + GLONASS + BeiDou + Galileo		
Hovering Accuracy	Vertical: ±0.5 m(GPS); ±0.1 m(RTK) Horizontal: ±1.5 m(GPS); ±0.1 m(RTK)		
RTK Positioning Accuracy	Horizontal: 1 cm + 1 ppm Vertical: 1.5 cm + 1 ppm		

Applications



Heritage Digitization

High-resolution imaging, RTK positioning and 3D workflows support survey, digital twins and conservation records.



Offshore Wind & Power Infrastructure Inspection

Long endurance and stabilized imaging enable close visual inspection of blades, nacelles, towers and offshore assets while reducing human exposure.

AT-DK01



AT-DK01 dual-bay automatic dock is compatible with AT-RS9 hexacopter. It supports dual-drone parking, auto take-off/landing and autonomous charging. With constant-temperature protection and environment monitoring, it enables unattended all-weather missions for power, security and river monitoring.

Product Specifications

Weight	249 kg	Air-conditioner Voltage	220 V AC
Cabinet Dimensions	162×160×100 cm	Air-conditioner Power	1,500 W
Input Voltage	220 V	Ingress Protection	IP54
Output Voltage	52.4 V	Drone Capacity	2 units
Power	3,500 W	Charge Time	50 min
Operating Temperature	-25 to +55 °C	Network Interface	RJ45

Product Specifications

2.4 GHZ EIRP	<33 dBm FCC / <20 dBm CE-SRRC-MIC	Expand Ability	Open protocol, SDK and Modbus
5.8 GHZ EIRP	<33 dBm FCC / <14 dBm CE / <23 dBm SRRC	Material	Aluminium alloy, sheet metal and glass fibre
Monitoring Camera	1920 × 1080P / 150° FOV	Sensors	Wind speed, rainfall, internal temperature and humidity
External Antennas	2 omnidirectional antennas	Charging Protection	Over-discharge, reverse-current, overvoltage and overcurrent
Air-conditioning Type	Compressor air conditioner	Reserved Interfaces	Drone power-supply and data interfaces

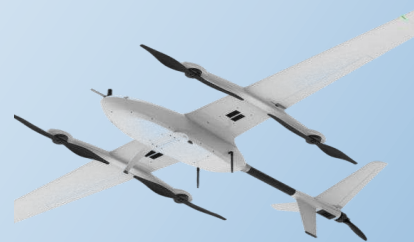
AT-VT Version VTOL



AT-VT07



AT-VT10



AT-VT15



AT-VT22



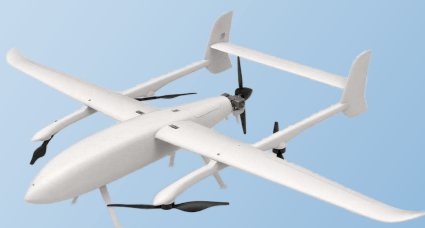
AT-VT45



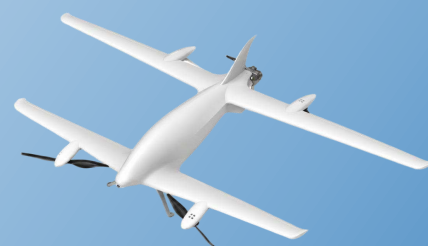
AT-VT75



AT-VT190



AT-VT10Y



AT-VT18Y

Mode	AT-VT07	AT-VT10	AT-VT15	AT-VT22	AT-VT45	AT-VT75	AT-VT190	AT-VT10Y	AT-VT18Y
Wingspan	3000 mm	4000 mm	4000 mm	4700 mm	5470 mm	7000 mm	5500 mm	3900 mm	3744 mm
Max Take-of Weight	25 kg	30 kg	40 kg	60 kg	100 kg	200 kg	470 kg	35 kg	40 kg
Payload	7 kg	10 kg	15 kg	22 kg	45 kg	74 kg	190 kg	10 kg	18 kg
Cruising Speed	20 m/s	24 m/s	26 m/s	25 m/s	26 m/s	28 m/s	55 m/s	26 m/s	25 m/s
Practical Ceiling	500 m	600 m	1000 m	5000 m	5000 m	5000 m	5000 m	5000 m	5000 m
Operating Temperature	-20 to +55°C	-20 to +55°C	-20 to +55°C	-20 to +55°C	-20 to +55°C	-20 to +55°C	/	-20 to +55°C	-20 to +55°C

AT-VT07



Quick-deploy, tool-Free: quick connecting structure and highly modular design, deploy and recycle without tools.



High-quality production technology provides excellent surface, high consistency.

Low cost: low cost, good for large scale deployment missions.

Product Specifications

Length	1,780 mm	Safe Speed	20-35 m/s
Height	765 mm	Cruising Speed	20 m/s
Wingspan	3,000 mm	Endurance	220 min @ 1 kg / 1.5 h @ 7 kg
Airframe Material	Aviation Carbon-fibre Composite	Practical Ceiling	500m
Payload	7kg	Operating Temperature	-20 to +55°C
Maximum Take-off Mass	25kg	Wind Resistance	Take-off Level 5 / Cruise Level 6

Airframe Parts List

Main Fuselage	1	pc
Front & Rear Fuselage Canopy	1	set
Left Wing	1	pc
Right Wing	1	pc
Left VTOL Arm	1	pc
Right VTOL Arm	1	pc
V-Tail	1	set
Landing Gear	2	set
Pitot Tube	1	set

Main Power System Parts List

Main Power System Motor	1	unit
Main Power System ESC	1	pc
Main Power System Propeller	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	4	pcs
Linkage Mechanism	4	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Simple Transport Case	1	pc

AT-VT10



Integrated design: two in one design of tail and landing gears and two-section fuselages, provides assembly and transportation convenience.



Strict selection and optimized design of propulsion system: provide good output power and highly efficient energy conversion; guarantee the stable flying and fast response.

Product Specifications

Length	2,263 mm	Safe Speed	20-33 m/s
Height	487 mm	Practical Ceiling	600m
Wingspan	4,000 mm	Operating Temperature	-20 to +55°C
Payload	10kg	Endurance	2h @ 10 kg / 4 h @ 4 kg
Maximum Take-off Mass	30kg	Wind Resistance	Take-off Level 5 / Cruise Level 6
Cruising Speed	24 m/s	Airframe Material	Aviation Carbon-fibre Composite

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Carbon Rod	1	set
Wing	1	pair
VTOL Rod	1	pc
Tail Section	1	set
Landing Gear	1	pc
Pitot Tube	1	set

Main Power System Parts List

Main Power System Motor	1	unit
Main Power System ESC	1	pc
Main Power System Propeller	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	4	pcs
Linkage Mechanism	4	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT-VT15



Automatic prop. Locking: reduce wind resistance and airflow disturbance during cruising to improve flight efficiency and safety.



Quick-deploy, tool-Free: quick connecting structure and highly modular design, deploy and recycle without tools.

Product Specifications

Length	2,100 mm	Safe Speed	26-35 m/s
Height	577 mm	Cruising Speed	26 m/s
Wingspan	4,000 mm	Endurance	3h @ 10 kg / 1.5 h @ 15 kg
Practical Ceiling	1,000 m	Operating Temperature	-20 to +55°C
Payload	15 kg	Wind Resistance	Take-off Level 5 / Cruise Level 6
Maximum Take-off Mass	40 kg	Airframe Material	Aviation Carbon-fibre Composite

Airframe Parts List

Main Fuselage	1	pc
Rear Fuselage	1	set
Front Fuselage Canopy	1	pc
Rear Fuselage Canopy	1	pc
Belly Hatch Cover	2	pc
Carbon Tube	1	set
Left Wing	1	pc
Right Wing	1	pc
Left Wing Tip	1	pc
Right Wing Tip	1	pc
Left VTOL Arm	1	pc
Right VTOL Arm	1	pc
Left V-Tail	1	pc
Right V-Tail	1	pc
Landing Gear	1	pc
Pitot Tube	1	set

Power System Parts List

Main Power System Motor	1	pc
Main Power System ESC	1	pc
Main Power System Propeller	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	4	pcs
Linkage Mechanism	4	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT-VT22



Lightweight Arm: acts as VTOL motor mount and enclosed load-bearing structure to boost bend-torsion resistance.



Large payload cabin: provides convenience for all kinds of payload, missions, maintenance and fast, deployment, especially for emergency rescue.

Product Specifications

Length	2,488 mm	Maximum Take-off Mass	60 kg
Height	1185 mm	Cruising Speed	25 m/s
Wingspan	4,700 mm	Fuel Consumption	1.6 L/h
Airframe Material	Aviation Carbon-fibre Composite	Practical Ceiling	5,000 m
Payload	22 kg	Operating Temperature	-20 to +55°C
Engine	352 cc Gasoline Engine	Wind Resistance	Take-off Level 5 / Cruise Level 6

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Mid-Section Wing	1	pc
Outer Wing Panel	2	pc
V-Tail	2	pc
VTOL Rod	2	pc
Landing Gear	2	pc
Pitot Tube	1	set

Main Power System Parts List

Main Power Engine	1	unit
Main Power System Propeller	1	pc
Fuel Tank	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

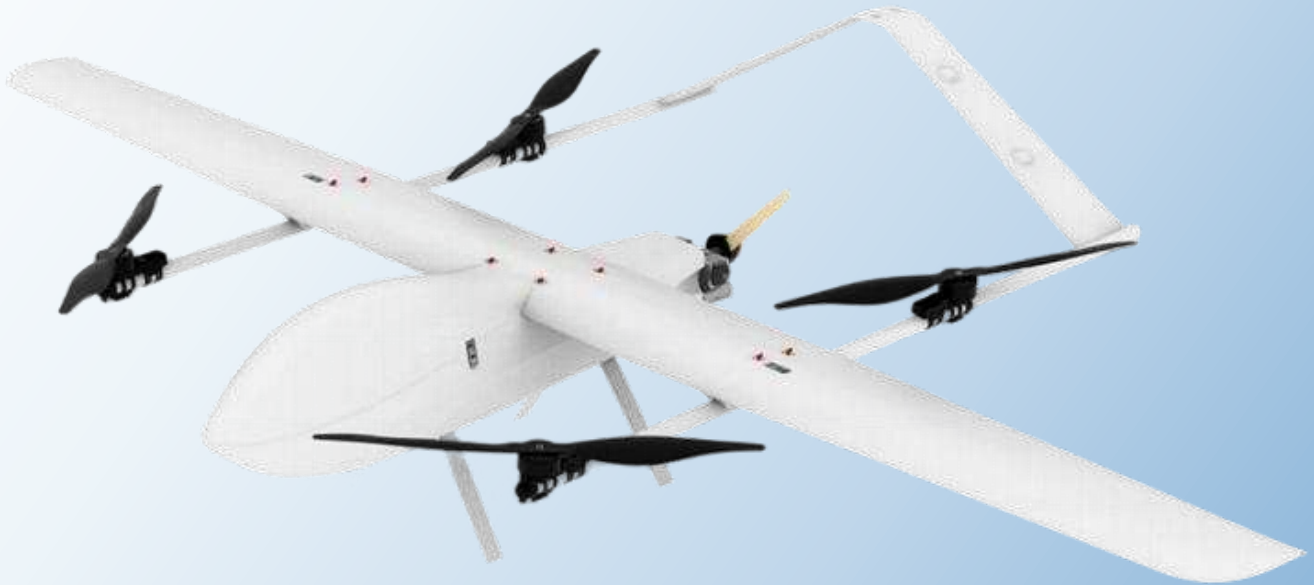
Servo System Parts List

Servo	4	pcs
Linkage Mechanism	4	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT-VT45



Lightweight motor arms: combining motor assembly and bearing structure in one, reduces the structure weight and strengthens the flexural property.



Large payload cabin: provides convenience for all kinds of payload, missions, maintenance and fast deployment, especially for emergency rescue.

Product Specifications

Length	3,000 mm	Maximum Take-off Mass	100 kg
Height	1,135 mm	Cruising Speed	26 m/s
Wingspan	5,470 mm	Fuel Consumption	2.5 L/h
Endurance	5 h	Practical Ceiling	5,000 m
Payload	45 kg	Wind Resistance	Take-off Level 5 / Cruise Level 6
Engine	Gasoline Engine	Airframe Material	Aviation Carbon-fibre Composite

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Mid-Section Wing	1	pc
Outer Wing Panel	2	pc
V-Tail	2	pc
VTOL Rod	2	pc
Landing Gear	2	pc
Pitot Tube	1	set

Main Power System Parts List

Main Power Engine	1	unit
Main Power System Propeller	1	pc
Fuel Tank	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	8	pcs
Linkage Mechanism	8	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT-VT75



Large payload cabin: provides convenience for all kinds of payload, missions, maintenance and fast, deployment, especially for emergency rescue.



Dual security design: design of four axes, eight propellers of control surfaces, provides possibility for safe return in case of partial damages.

Product Specifications

Length	4,100 mm	Safe Speed	26-40 m/s
Height	1,530 mm	Cruising Speed	28 m/s
Wingspan	7,000 mm	Fuel Consumption	5.66 L/h
Practical Ceiling	5,000 m	Operating Temperature	- 20to +55°C
Payload and Fuel	74 kg	Wind Resistance	Take-off Level 5 / Cruise Level 6
Maximum Take-off Mass	200kg	Airframe Material	Aviation Carbon-fibre Composite

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Rear Fuselage Canopy	1	pc
Mid-Section Wing	1	pc
Outer Wing Panel	2	pc
V-Tail	2	pc
VTOL Rod	2	pc
Landing Gear	2	pc
Pitot Tube	1	set

Main Power System Parts List

Main Power Engine	1	unit
Main Power System Propeller	1	pc
Fuel Tank	1	pc

VTOL Power System Parts List

VTOL Power System Motor	8	pcs
VTOL Power System ESC	8	pcs
VTOL Power System Propeller	4	pairs

Servo System Parts List

Servo	8	pcs
Linkage Mechanism	8	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT-VT190

AT-VT190 is a fixed-wing unmanned aircraft platform designed for heavy payloads, extended endurance and multi-mission operations. It supports fully autonomous flight, short-field takeoff and landing, and rapid modular assembly.



Two belly-mounted payload stations enable integration of cargo, electro-optical, mapping, environmental sensing or communications-relay payloads, including mixed payload configurations where permitted.



Front View



Three-quarter View



Emergency Relief
Logistics



Remote-
area & Plateau
Logistics



Coastal,
Marine & Environmen-
tal Monitoring

Product Specifications

Maximum Payload	190 kg	Dimensions (L×W×H)	5,500 × 8,400 × 1,700 mm
Maximum Takeoff Weight	470 kg	Endurance with Payload	5 h @ 190 kg / 27 h @ 60 kg
Cruise Speed	200 km/h	Max. Takeoff / Landing Altitude	2,000 m
Maximum Range	3,500 km	Payload Power Supply	2 kW
Flight Altitude	5,000 m	Fuel Type	95 RON gasoline
Takeoff Distance	300 m		

System Components & Packing Information

Airframe	1	500 kg	4,100 × 2,300 × 1,450 mm
Ground Control Station	1	18.75 kg	580 × 470 × 260 mm
Base Station	1	18 kg	1,300 × 270 × 260 mm
Pod	1	3.4 kg	200 × 300 × 400 mm
Fuel Tank	1	1.3 kg	390 × 280 × 180 mm

AT- VT10Y



Dual control surface security design: one side control surfaces also will remain some control if the other sides are broken.



Two-mode take off and landing: vertical and taxiing takeoff and landing.

Product Specifications

Configuration	Hybrid-electric VTOL	Fuel Consumption	0.96 L/h
Wingspan	3,900 mm	Fuel Tank Capacity	10 L
Airframe Length	2,360 mm	Typical VTOL Endurance	10 h @ 3 kg payload
Maximum Take-off Mass	35kg	Endurance Profile	VTOL Mission
Dynamic Payload Capacity	10 kg	Fuel/Payload Balance	Dynamically Configurable

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Rear Fuselage Canopy	1	pc
Left VTOL Connecting Rod	1	pc
Right VTOL Connecting Rod	1	pc
Left Wing	1	pc
Right Wing	1	pc
Horizontal Tail	1	pc
Landing Gear	2	pc
Pitot Tube	1	set
Fuel Tank	1	pc

Main Power System Parts List

Main Power Generator (Electric Start)	1	unit
Main Power System Propeller	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	6	pcs
Linkage Mechanism	6	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

AT- VT18Y



Made of aerospace carbon-fiber composites, the airframe features tool-free quick disassembly. It fulfills structural strength & stiffness requirements, with advantages of easy disassembly, flexible deployment, high maintainability and modularity.

The large-size engine mounting plate is compatible with engines of mainstream manufacturers, enabling users to carry out custom adaptation as needed.



Dual control surface security design: mixture control method of front and rear control surfaces, provides dual security backup to realize opposite cooperative control.

Product Specifications

Configuration	Hybrid-electric VTOL	Fuel Consumption	0.96 L/h
Wingspan	3,744 mm	Fuel Tank Capacity	11 L
Airframe Length	2,000 mm	Typical VTOL Endurance	12 h @ 8 kg payload
Maximum Take-off Mass	40kg	Endurance Profile	VTOL Mission
Dynamic Payload Capacity	18 kg	Fuel/Payload Balance	Dynamically Configurable

Airframe Parts List

Main Fuselage	1	pc
Front Fuselage Canopy	1	pc
Rear Fuselage Canopy	1	pc
Left Front Wing	1	pc
Right Front Wing	1	pc
Left Rear Wing	1	pc
Right Rear Wing	1	pc
Landing Gear	1	pc
Pitot Tube	1	set

Main Power System Parts List

Main Power Generator (Electric Start)	1	unit
Main Power System Propeller	1	set
Fuel Tank	1	pc

VTOL Power System Parts List

VTOL Power System Motor	4	pcs
VTOL Power System ESC	4	pcs
VTOL Power System Propeller	2	pairs

Servo System Parts List

Servo	5	pcs
Linkage Mechanism	5	sets

Others

Integrated Wiring Harness, Aviation Connectors, Screws, etc.	1	lot
Servo & Power System Integration and Debugging	1	operation
Aviation-Grade Aluminum Alloy Transport Case	1	pc

Overview of Mission Platform Products



AT-MPF10



AT-MPF13



AT-MPF15



AT-MPH10



AT-MPH13



AT-MPH15



AT-LW-PDX



AT-LW-A



AT-LW-C



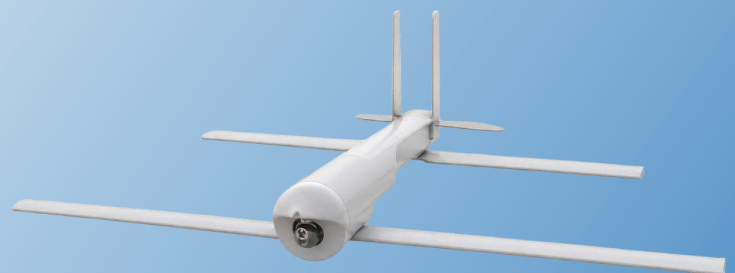
AT-LW-10



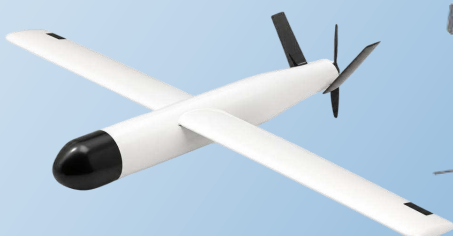
AT-LWT-A



AT-LWT-B



AT-GP-MONI



AT-GP-NOVA



AT-GP-PASSKE



AT-GP-VESKA



AT-TG310



AT-TG260



AT-TG230



AT-TG180



AT-TG240



AT-TG300



AT-TG280



AT-TG150

AT-MPF10/F13/F15



AT-MPF10



AT-MPF13



AT-MPF15

Model	AT-MPF10	AT-MPF13	AT-MPF15
Dimensions (excluding blades)	380*310*60 mm	445*445*30 mm	500*500*30 mm
Weight (excluding batteries)	940 g	1500 g	2000 g
Flight Controller and ESC	F405 65A ESC	F405 80A ESC	F405 100A ESC
Camera	RATEL2(Customisable)	RATEL2(Customisable)	RATEL2(Customisable)
Video Transmission	5.8G 3w VTX (Customisable)	5.8G 4w VTX (Customisable)	5.8G 4w VTX (Customisable)
Electric Motor	3115 900KV	4312 508KV	4315 360KV
Propeller	10X5X3	13X10X3	15X7X3
Receiver	ELRS915 Receiver (Customisable)	ELRS915 Receiver (Customisable)	ELRS915 Receiver (Customisable)
Battery Capacity/Weight	6S8000 mAh	6S 12000 mAh	8S 16000 mAh/2.6 kg
Video Transmission Range	10 km	15km	15km
Maximum Flight Speed	140 km/h	150 km/h	170 km/h
Rated Load	2.5 kg	4 kg	7 kg
Maximum Load	3 kg	5 kg	8 kg
No-load Endurance	38 min	40 min	60 min
Payload	2.5 kg	5 kg	8 kg
Hover Time	11 min	10 min	10 min

AT-MPH10/H13/H15



AT-MPH10



AT-MPH13



AT-MPH15

Model	AT-MPH10	AT-MPH13	AT-MPH15
Number of Rotors	6	6	6
Dimensions	456*456*60 mm	850*850*105 mm	1150*1150*105 mm
Weight (excluding batteries)	1950 g	3800 g	4500 g
Flight Controller and ESC	BLF405/6S-60A	BLF405/2-8S-80A	BLF405/2-8S-80A
Camera	2000 TVL	2000 TVL	2000 TVL
Video Transmission	5.8G 3w VTX(Customisable)	5.8G 3w VTX(Customisable)	5.8G 2.5w VTX(Customisable)
Electric Motor	3115 900KV	4214 400KV	4218 330KV
Propeller	1050	1310	1507
Receiver	ELRS915 Receiver (Customisable)	ELRS915 Receiver (Customisable)	ELRS915 Receiver (Customisable)
Max Take-off Altitude	5000 m	5000 m	5000 m
Range	20 km	20 km	20 km
Max Flight Speed	156 km/h	136 km/h	126 km/h
Rated Load	5 kg	7.5 kg	9 kg
Max Take-off Weight	9 kg	15 kg	19.5 kg
No-load Endurance	30 min	45 min	55 min
Full-load Endurance	15 min	18 min	18 min
Battery	6S 8000 mah*2	8S 12000 mah*2	8S 16000 mah*2

Optional Accessories



Built-in RF, Hall-effect joystick remote control



FPV goggles, 5.8 GHz signal reception, built-in DVR



Demonstration screen



AI Locking Module



Full-colour night-vision camera



Infrared camera



Visible light + infrared camera



Battery



LNB



Charger



Fibre-optic modules

Accessory Specifications

Air Unit Parameters		Ground Unit Parameters	
Power Supply	9V-24V≤1A	Battery	LI-ION7.4V7800mah/3~6S Lithium-ion battery
Single-board Dimensions	60*35*14mm	Battery Weight	300g±5g
Single-board Weight	16.5g±2g	Casing Material	Aluminium Alloy
		Dimensions	123*56*30mm
Operating Temperature	-30°C-80C	Single-board Dimensions	123*53*17mm
		Weight of the Unit	186±5g

Fiber Reel Parameters		Optical Transceiver Parameters	
Method of Stringing	Internal Wiring / External Wiring	Fibre-optic Interface	FC Interface
Fibre Length	5-30 km	Fibre Types	Single-mode – single-fibre
Internal Wiring	52*118*356 mm	Product Interfaces	GH1.25
External Wiring	Φp104*345 mm	Data Format	TTL/S.BUS
Fibre-optic Materials	Surface resin coating	Video Format	NYSC/PAL/SECAM
Advantages	Fibre-optic transmission offers high speed and excellent stability; it is suitable for large-scale data transmission, is immune to electromagnetic interference, is eavesdropping-proof, and supports transmission distances of up to 40 km.	Data Direction	Bidirectional
		Rate	0~1Mbps
		Transmission Distance	Single-mode and single-fiber 0-40 km
		Single-mode at a specific wavelength	1310+1550

AT-LW-PDX

High-strength ETG and carbon fibre body, optimised for high-speed response and compact deployment
The camera module combines high-frame-rate, low-latency 1080p video with on-board neural network



Product Specifications

Wheelbase	294.39 mm	Dimensions(L×W×H)	327.59 × 327.59 × 378.45 mm
Empty Weight	800g	No-load Endurance	≥15min
Crusing Speed	160-300+ km/h	Full-load Endurace	8min
Maximum Speed	420 km/h	High-explosive Time	15-30 s
Payload	1,500 g	Control/ Telemetry Range	15 km, site-environment dependent
Climb Rate	30 m/s	Material	High-strength ETG + carbon fibre
Operating Altitude	3, 000 m	Target Detection Range	1.2 km for a 2 m × 2 m target
Visble-light Module	1080 P	Maximum Tracked Target Speed	200 km/h
Core Imaging Characteristics	High frame rate / low latency	Field of View (D×H×V)	25.7° × 40.2° × 46.8°
Onboarding AI Compute	6 TOPS neural-network chip	External System Interfaces	Radar / electro-optical / spectrum reconnaissance

AT-RD05 Smart Radar



AT-RD03



AT-RD05 Smart Radar

Radar Brand	X-band, 9.8–10 GHz	Simultaneous Tracks	≥200 batches
Drone Detection Range	≥5 km, DJI Phantom 4	Detectable Speed	1-150 m/s
Personnal Detection Range	≥8 km	Protocol/ Power	UDP/≤220 W
Vehicle/ Vessel/ Helicopter	≥10 km	Protection/ Temperature	IP66 / -40 to +55 °C
Accuracy Rms	Az./El. ≤0.4° / range ≤5 m	Size/ Weight	500×580×75 mm / ≤30 kg
Altitude Coverage	≤1,000 m	Close-range Blind Area	≤ 50m
Update/ Rotation Rate		2 s, optional 1 s / 30 rpm	
Coverage		360° azimuth / -5° to 40° elevation	

AT-RD03

Maximum Transmitting Power	3 kw	Target Recognition Accuracy	≥95%
Laser Cable Length	2 m	Target Tracking Accuracy	15 μrad
Maximum Tracking Distance	1,000 m	Horizontal Working Range	-160° to +160°
Maximum Damage Range	700 m	Elevation Working Range	-10° to +55°
Damage Time	5-15 s		

AT-CU02

AT-CU02 is a UAV detection and counter-measure device. It rapidly detects and identifies unauthorized drones, supports directional and omnidirectional countermeasures, and can link with high speed rockets for key area security protection.



Product Specifications

Detectable UAV Types	Mainstream brands, commercial, FPV and Wi-Fi drones	Channel 3	2,400–2,483.5 MHz / 45±2 dBm
Effective Targets	Video transmission, flight-control link and navigation signals	Channel 4	5,150–5,350 MHz / 45±2 dBm
Operating Mode	Radio jamming and suppression	Channel 5	5,725–5,850 MHz / 45±2 dBm
Countermeasure Mode	Directional and omnidirectional	Track Display	≥5 trajectories
Countermeasure Distance	1.5–2 km	Azimuth Error	≤1° RMS
Detaction Frequency	100 MHz–6 GHz	Positioning Accuracy	≤10 m
Detection/Positioning Range	1.5–2 km	Identification Response	≤3 s
Detection Altitude	0-1,500 m	Channel 1	915–917 MHz / 37±2 dBm
Simultaneous Targets	≥15 sorties	Channel 2	1,563–1,603 MHz / 37±2 dBm

AT-LW-A

Long-endurance platform supporting up to 1,000 routes, preset mission scheduling, terminal guidance and



Product Specifications

Total Length	2,850mm	Maximum Take-off Weight	180kg
Wingspan	2,600mm	Launch Method	Rocket-assisted Launch
Range	2,500km	Cruising Speed	50m/s
Maximum Mission Payload	50kg	Endurance	13h
Maximum Climb Rate	4m/s	Flight Mode	Manual / Automatic Route Flight
Maximum Operating Altitude	5,000m	Wind Resistance	Level 6

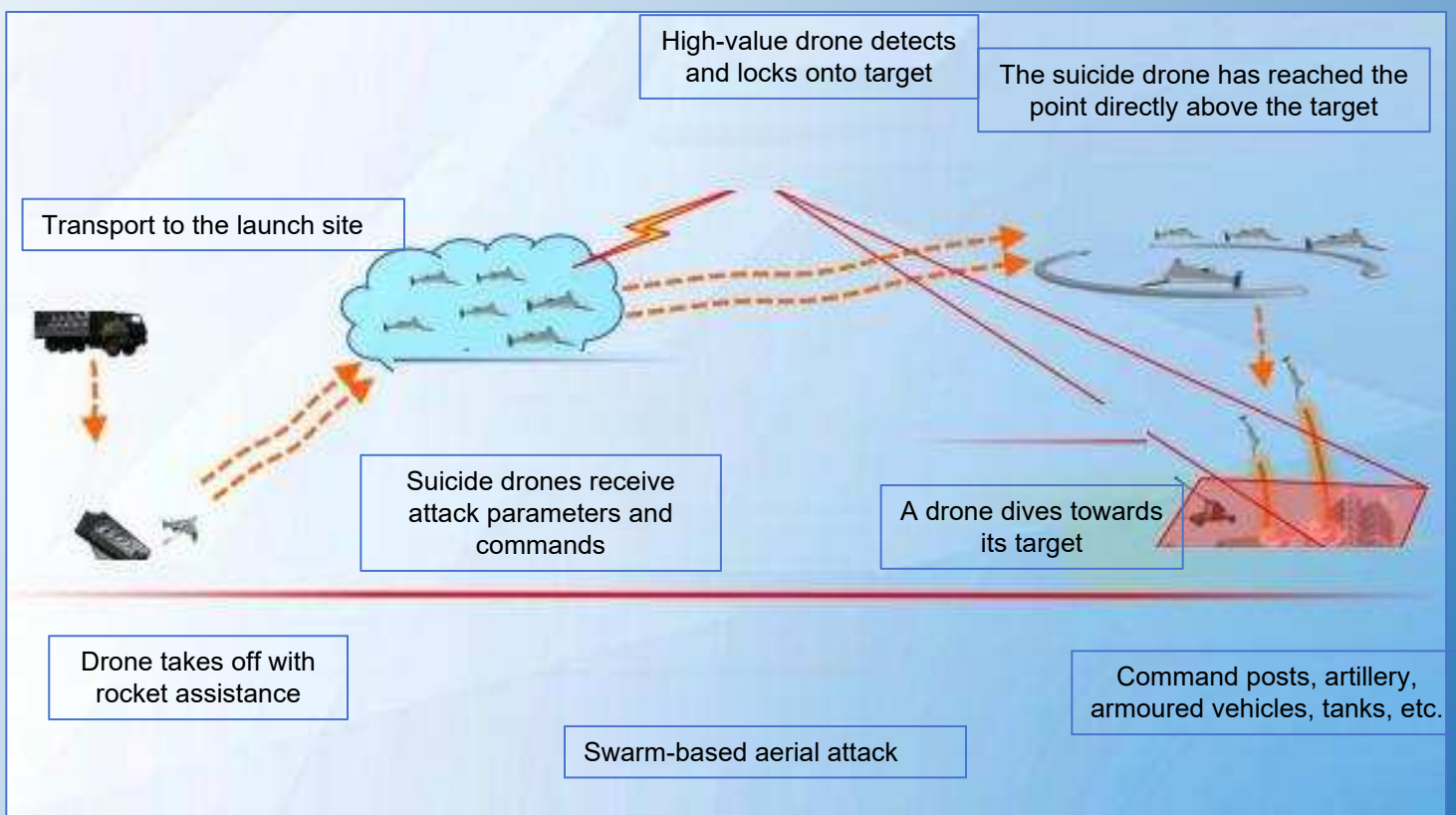
Product Images



Product Features



Simple to operate ; precise target identification and engagement.



High production capacity, modular payload bay: suitable for both training and combat operations.

AT-LW-C

Rocket-assisted rapid deployment with autonomous route flight and VINS anti-interference capability.



Product Specifications

Total Length	2,890mm	Launch Method	Rocket-assisted Launch
Wingspan	2,950mm	Cruising Speed	180–220 km/h
Overall Height	670mm	Endurance	8h
Source-table Mission Payload	50kg	Strike Range	2,000 km
Maximum Climb Rate	4m/s	Anti-interference	VINS
Maximum Operating Altitude	5,000m	Flight Mode	Manual / Automatic Route Flight
Maximum Take-off Weight	180kg	Wind Resistance	Level 6

High-speed Crossing



Low-altitude Security



AT-LW-10

WIDOW-10 is a gasoline-powered pusher fixed-wing UAV supporting runway or catapult launch. It is designed for rapid deployment, long-range flight and extended aerial operations, with a modular configuration that simplifies disassembly, transport and payload integration.



Product Specifications

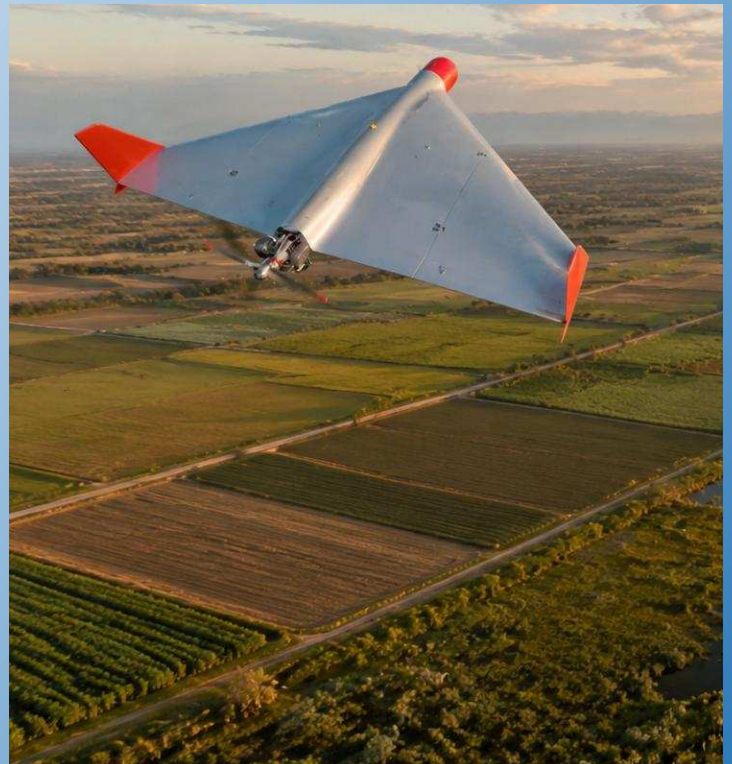
Max Payload	10 kg	Wind Resistance	Takeoff: Level 5/ Flight: Level 6
Maximum Take-off Weight	35 kg	Overall Dimensions	2001*1650*696 mm
Endurance	10 h@10 kg	Protection Rating	IPX4
Cruising Speed	150 km/h	Operating Temperature	-20°C to 45°C
Maximum Range	> 1000 km	Fuel Tank Capacity	16L
Flight Altitude	2000 m	Fuel consumption	1.6 L/h
Airframe Material	Aerospace Carbon-fiber Composite		

Applications



Long endurance, extended range and a 10 kg payload capacity support persistent aerial inspection of power corridors, pipelines, waterways and remote ecological zones.

With compliant optical, mapping or environmental payloads, WIDOW-10 can provide an efficient data-acquisition platform for farmland, wetlands, waterways and natural-resource surveys.



AT-LWT-A

High-speed platform with 50–80 kg mission payload capacity and long-range performance.



Product Specifications

Full Length	2,268mm	Maximum Take-off Weight	≤250kg
Wingspan	3,145mm	Empty Weight	≤100kg
Maximum Range	1,500km	Maximum Fuel Capacity	100kg
Mission Payload	50-80kg	Maximum Endurance	≥2.5h
Maximum Flight Speed	600km/h	Cruising Speed	432km/h
Optimal Cruise Altitude	6,000m	Data-link Distance	50km

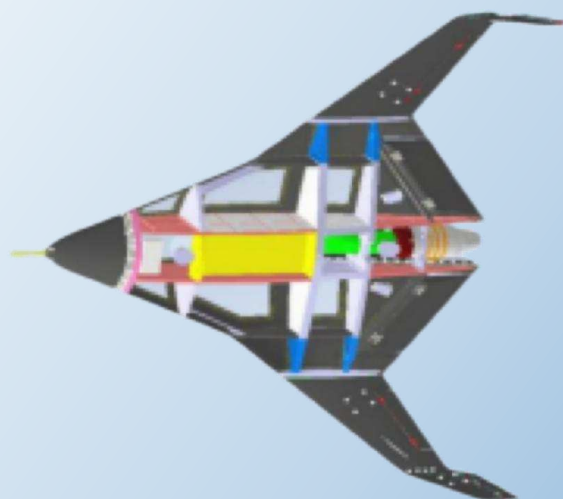
Product Images



Product Features



High speed



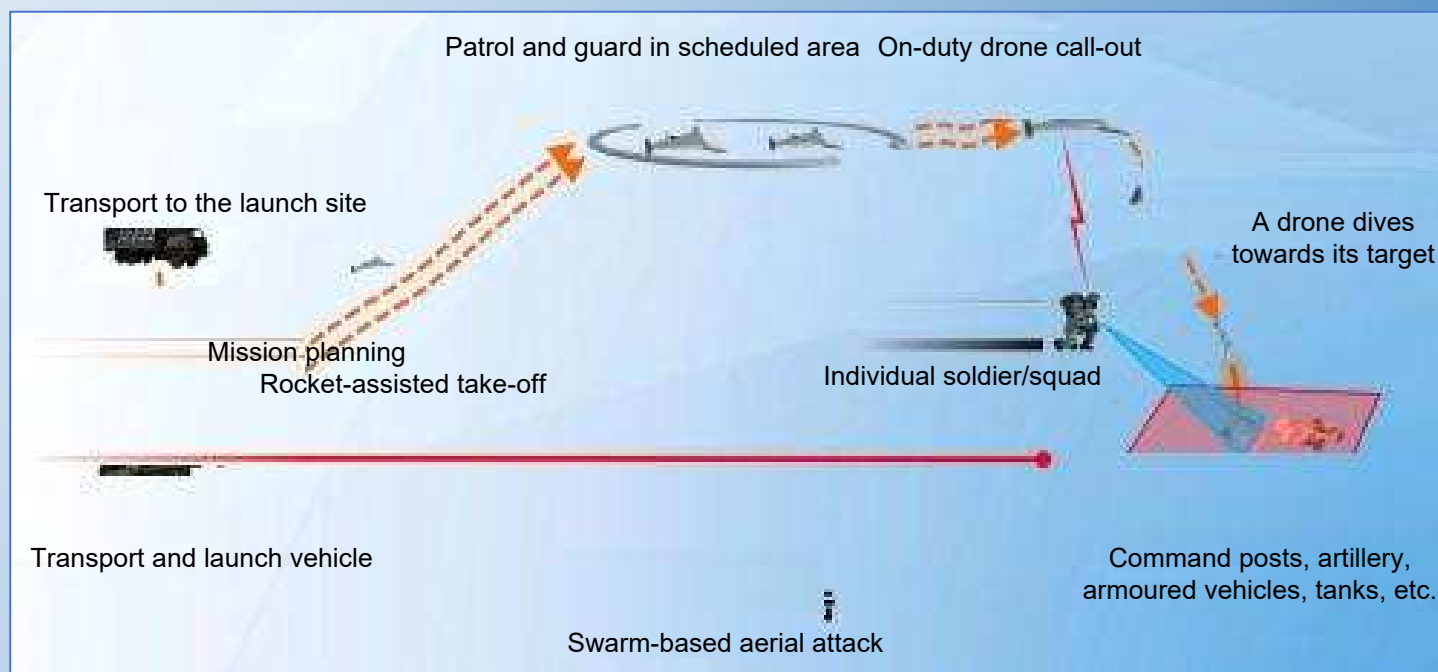
Modular Payloads: suitable for both training and combat operations



Modular and high production



Simple to use



AT-LWT-B

High-energy platform; Modular architecture; Flexible deployment; Simple support model; Payload adaptability

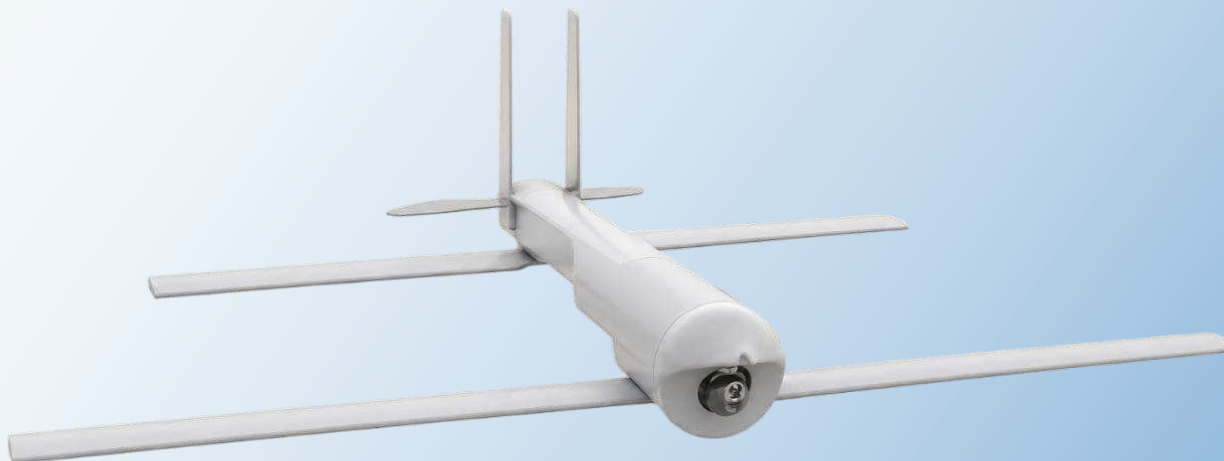


Product Specifications

Full Length	2.3 m	Endurance	2h
Wingspan	2.2 m	Cruising Speed	Mach 0.6
Height	0.4 m	Maximum Range	1,200 km
Powerplant	Turbojet Engine	Climb Rate	12 m/s
Launch/Recovery	Rocket-assisted / parachute	Maximum Altitude	12,000 m
Maximum Take-off Weight	260 kg	System Preparation	60 min
Payload Capacity	50 kg	Wind Resistance	Level 6

AT-GP-MONI

This is a micro-patrol drone developed by our company, designed as a 'strike drone' capable of ramming in



Product Specifications

Airframe Length	1,951 mm	Maximum Speed	180 km/h
Wingspan	1,231 mm	Maximum Take-off Weight	15 kg
Maximum Range	100 km	Data-link Distance	50 km
Mission Payload	5 kg	Launch Method	Tube Launch
Endurance	1 h	Operating Altitude	300-1,000 m
Cruising Speed	108 km/h	Power System	Electric

Product Images



Product Features



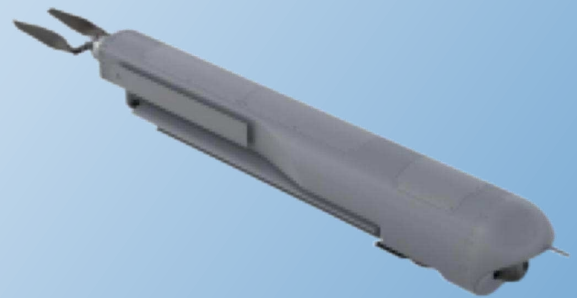
Easy to transport



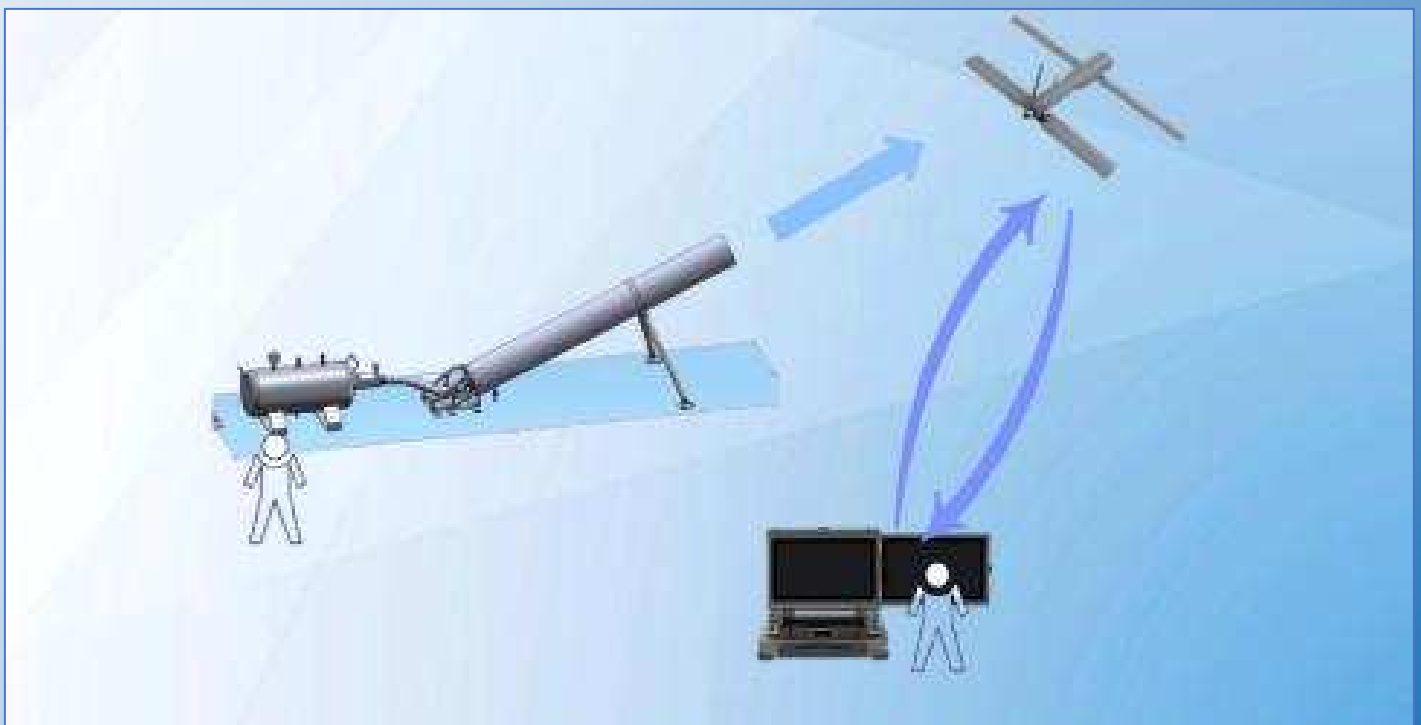
Simple to use



A simple launch system

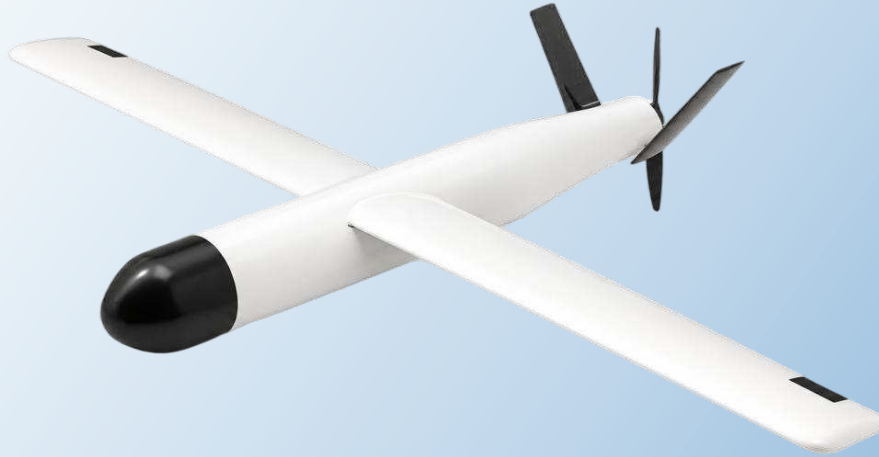


Modular and high production



AT-GP-NOVA

This is a low-cost, high-lethality, ultra-quiet small-to-medium-sized unmanned aerial vehicle (UAV) developed by our company, capable of operating in swarms. It can carry out precision strikes or saturation attacks on target areas, and can be used to engage small-to-medium-sized ground targets—such as armoured vehicles, combat formations, temporary command posts and ground-based radar systems—at short to medium ranges.



Product Specifications

Airframe Length	2,000 mm	Maximum Speed	200 km/h
Wingspan	3,170 mm	Maximum Take-off Weight	40 kg
Maximum Range	200 km	Data-link Distance	50 km
Mission Payload	10 kg	Launch Method	Tube Launch
Endurance	2 h	Service Ceiling	1,000 m
Cruising Speed	120-150 km/h	Power System	Electric

Product Images



Product Features



It's easy to transport with a simple launch system and can be produced in a modular approach with a high production capacity.



Compared to similar products, it has a longer strike range and is capable of swarm patrol and attack.

AT-GP-PASSKE

The AT-GP-PASSKE is a cost-effective, modular, hollow-body, long-endurance, lightweight reconnaissance-and-strike UAV system with a payload capacity of 500 kg. The airframe features a high-aspect-ratio centre-mounted monoplane wing, a V-tail and twin ventral fins, a tricycle landing gear configuration, and a piston-powered propeller engine mounted at the tail.



Product Specifications

Airframe Length	5500 mm	Maximum Speed	250 km/h
Wingspan	12200 mm	Maximum Take-off Weight	550 kg
Maximum Range	5700 km	Operating Range of Line-of-sight Links	300 km
Mission Payload	150 kg	Rate of Sea-level Rise	4.3 m/s
Flight Time	38 h	Service Ceiling	5500 m
Patrol Speed	150 km/h	Power	Four-stroke piston engine

Product Features

This type of unmanned aerial vehicle (UAV) has a maximum endurance of 38 hours and a maximum external payload capacity of 150 kg. It is equipped with two hardpoints on the left and right wings, capable of carrying up to four 20-kg-class weapons, whilst the underbelly hardpoint has a payload capacity of 100 kg.

Through the integration of high-performance electro-optical pods, SAR and high-precision guided weapons, it can be widely deployed in both military and civilian applications, including reconnaissance and surveillance, ground attack, damage assessment, wide-area search, counter-terrorism and stability maintenance, and forest fire prevention.

Product Images



AT-GP-VESKA

Built around an integrated, cost-efficient architecture, VESKA supports multiple mission payloads and real-time data transmission. One-touch autonomous takeoff and landing simplify operations across persistent monitoring, emergency awareness and communications relay missions.



Product Specifications

Wingspan	6.6 m	Maximum Speed	≥ 200 km/h
Height	1.75 m	Service Ceiling	≥ 4000 m
Length	4.93 m	Cruise Speed	≥ 130 km/h
MTOW	350 kg	Payload Capacity	≥ 50 kg
Takeoff and Landing Distance	≤ 500 m	Mission Endurance	≥ 15 h
Hard, Level Runway Width	10 m	Climb Rate	≥ 12 m/s

Applications



Infrastructure & Corridor Patrol

With a long endurance, it covers roads, rivers and energy infrastructure, enabling continuous beyond-line-of-sight monitoring.

Distance Situational Awareness

Continuously grasp overall disaster zone situation to support rescue dispatching and route evaluation.



Airborne Communications Relay

Carry relay devices to maintain long range links and provide communication coverage for ground command and on-site teams.



Forest Fire & Ecological Monitoring

Utilize long-endurance flight and EO payloads to continuously detect smoke points, fire lines and changes in key ecological areas.



AT-TG310

The AT-TG310 target drone is a high-performance stealth target with high-subsonic speed and high maneuverability. It supports precise route control via multi-integrated navigation, multi-vehicle cooperative flight control, and horizontal & vertical high-maneuver flight. Capable of carrying warheads with certain destructive power, it can perform simulated penetration against government buildings, energy facilities, air-force bases, research institutes and oil depots.



Product Specifications

Length	4,500 mm	Wingspan	2,100 mm
Range	1,200 km	Task Payload	40 kg
Endurance	70 min	Cruising Speed	310 m/s
Wind Resistance	> Level 5	Maximum Take-off Weight	250 kg
Control Radius	150 km	Take-off Method	Rocket- assisted
Ceiling	12, 000 m	Formation Capability	24 aircraft/ station

AT-TG260

The AT-TG260 target drone is a stealth target with high maneuverability. It supports precise route control with multi-integrated navigation, adaptive small-route offset control, multi-vehicle cooperative flight control, and horizontal & vertical high-maneuver flight. It can carry warheads with certain destructive power and perform simulated penetration against government buildings, energy facilities, air-force bases, research institutes and oil depots.



Product Specifications

Length	4,000 mm	Wingspan	1,600 mm
Range	1,000 km	Task Payload	30 kg
Endurance	70 min	Cruising Speed	270 m/s
Wind Resistance	> Level 5	Maximum Take-off Weight	190 kg
Control Radius	150 km	Take-off Method	Rocket- assisted
Ceiling	10, 000 m	Formation Capability	24 aircraft/ station

AT-TG230

The AT-TG230 target drone is a stealth target with high maneuverability. It supports precise route control with multi-integrated navigation, adaptive small-route offset control, multi-vehicle cooperative flight control, and horizontal & vertical high-maneuver flight. It can carry warheads with certain destructive power and perform simulated penetration against government buildings, energy facilities, air-force bases, research institutes and oil depots.



Product Specifications

Length	3,300 mm	Wingspan	1,500 mm
Range	800 km	Task Payload	20 kg
Endurance	70 min	Cruising Speed	240 m/s
Wind Resistance	≥ Level 5	Maximum Take-off Weight	130 kg
Control Radius	150 km	Take-off Method	Rocket- assisted
Ceiling	10, 000 m	Formation Capability	24 aircraft/ station

AT-TG180

The AT-TG180 is a medium-speed target drone for multi-service training and equipment tests covering the Navy, Army and Air Force. It features one-key electric engine start, pre-planned route, re-planned route and on-the-fly route switching. Supporting multi-unit formation cooperative flight from a single station, it can carry warheads with certain destructive power to perform simulated penetration against government buildings, energy facilities, air-force bases, research institutes and oil depots.



Product Specifications

Length	2,900 mm	Wingspan	1,400 mm
Range	500 km	Task Payload	6 kg
Endurance	60 min	Cruising Speed	160 m/s
Wind Resistance	> 5 levels	Maximum Take-off Weight	80 kg
Control Radius	150 km	Take-off Method	Rocket- assisted
Ceiling	9, 000 m	Formation Capability	24 aircraft/ station

AT-TG280

The AT-TG280 is a high-subsonic UAV with a certain degree of manoeuvrability and specific RCS characteristics. It utilises rocket-assisted take-off and parachute recovery, and is capable of autonomous flight and multi-aircraft formation flight from a single launch site. It can be equipped with a Lumball, tracer rounds, active radar seeker simulators and accompanying active jamming devices to realistically simulate the flight path planning, manoeuvrable penetration and attack methods of 'fourth-generation fighter aircraft' and stealth cruise missiles' flight path planning, manoeuvrable penetration and attack methods.



Product Specifications

Length	4,500 mm	Wingspan	1,700 mm
Range	800 km	Task Payload	25 kg
Endurance	55 min	Cruising Speed	280 m/s
Wind Resistance	> Level 5	Maximum Take-off Weight	200 kg
Control Radius	100 km	Take-off Method	Rocket- assisted
Ceiling	12, 000 m	Formation Capability	30 aircraft/ station

AT-TG240

The AT-TG240 target drone is a subsonic target drone with a degree of manoeuvrability and specific RCS characteristics. It utilises a rocket-assisted take-off and parachute recovery system, and is capable of autonomous flight and formation flight with multiple drones from a single launch site. It can be equipped with a Lumbard ball, tracer tubes, active radar seeker simulators and active jamming devices.



Product Specifications

Length	3,500 mm	Wingspan	1,500 mm
Range	500 km	Task Payload	20 kg
Endurance	50 min	Cruising Speed	250 m/s
Wind Resistance	> 5 levels	Maximum Take-off Weight	140 kg
Control Radius	100 km	Take-off Method	Rocket- assisted
Ceiling	10, 000 m	Formation Capability	30 aircraft/ station

AT-TG150

The AT-TG150 UAV is a small, medium-speed unmanned aerial vehicle with a degree of manoeuvrability and a low RCS. It utilises rocket-assisted launch and parachute recovery, with airbag shock absorption, and is capable of autonomous flight, ground station-controlled flight and multi-aircraft formation flight.



Product Specifications

Length	3,200 mm	Wingspan	1,600 mm
Range	500 km	Task Payload	10 kg
Endurance	60 min	Cruising Speed	200 m/s
Wind Resistance	> 5 levels	Maximum Take-off Weight	80kg
Control Radius	100 km	Take-off Method	Rocket- assisted
Ceiling	7, 000 m	Formation Capability	30 aircraft/ station

AT-TG300

AT-TG300 is a high-subsonic fixed-wing unmanned target aircraft intended for duly authorized flight testing, target-characteristic research, sensor calibration and scientific validation.



Product Specifications

Length	4124 mm	Engine Thrust	110–140 kgf
Wingspan	1808 mm	Max. Altitude	$\geq 12,000$ m
MTOW	≥ 180 kg	Command & Telemetry Radius	≥ 100 km
Max. Mission Payload	≥ 30 kg	Flight Speed	≥ 300 m/s (at 4000 m altitude)
Aerodynamic Layout	Conventional; multi-aircraft formation from one station		
Airframe Material	Lightweight composite materials		
Max. Maneuver Load	≥ 6 g (at 5000 m altitude)		
Launch & Recovery	Rocket-assisted launch; parachute recovery		



Radar & Electro-optical System Calibration

Supports validation of target detection, continuous tracking, measurement and end-to-end data recording.



Flight Testing&Mission-process Training

Supports route planning, telemetry control, flight-envelope research and standardized process training in approved airspace.

Overview of Transport Products



AT-TR-S1



AT-TR-S3



AT-MTR120



AT-MTR150

AT-TR-S1/S3

AT-TR-S1/S3 Unmanned Helicopter adopts ROTAX-series aero-engines, the most widely-used power un



AT-TR-S1



AT-TR-S3

Model	AT-TR-S1	AT-TR-S3
Maximum Payload	≤120kg	≤250kg
Maximum Endurance	4h	6.5 h
Maximum Control Range	100km	100 km
Dimensions(L×W×H)	≥3,000 × 900 × 1,300 mm	≥3,500 × 1300 × 1,600 mm
Empty Weight	150kg	280kg
Maximum Take-off Weight	≤300kg	≤660kg
Cruise Speed	0-25 m/s	0-25 m/s
Maximum Flight Altitude	≤4,000 m	≤6,000 m
Wind Resistance	15 m/s	15 m/s
Navigation	GPS / BDS / GLONASS / RTK	GPS / BDS / GLONASS / RTK
Datalink	0.8/1.4/2.4 GHz + 900 MHz FHSS	0.8/1.4/2.4 GHz + 900 MHz FHSS

Product Features

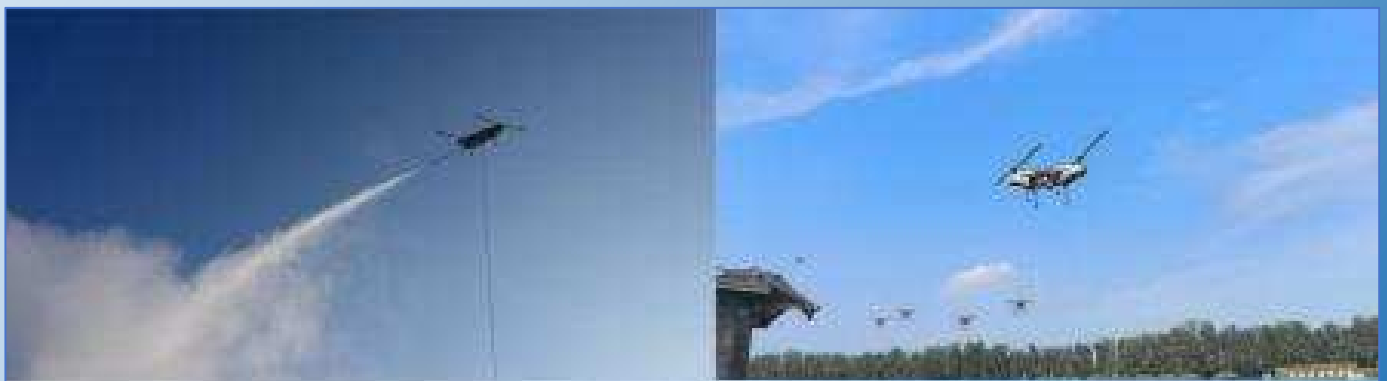


A single operator can efficiently handle the full workflow from transportation to mission execution.



It adopts modular design, with low-complexity manufacturing and maintenance, and supports convenient installation, commissioning and transportation.

Product Images



AT-MTR120

120 kg rated sling loader for mountain and site resupply.



Product Specifications

Rated payload weight	120 kg
Max payload weight	150 kg
Max takeoff weight	257.8 kg
Flight time	62 min
Max range	44.6 km
Max flight speed	20 m/s
Drone empty weight	63 kg
Waterproof rating	IP67
Folded dimensions	2320*1010*870 mm
Unfolded dimensions	3350*3350*990 mm (folded) / 4605*4605*990 mm (unfolded)

Product Features



GPS
Installation
Position



Quick-release
Folding Arm



Dual Battery
Compartment
Design



A professional-level transportation platform designed for industrial scenarios, which redefines the operation type of heavy-duty unmanned aerial vehicles with its groundbreaking load capacity.

AT-MTR150

150 kg rated cargo drone with a 46.5 km theoretical range.



Product Specifications

Rated payload weight	150 kg	Max payload weight	200 kg
Max takeoff weight	333 kg	Flight time	45 min
Max range	46.5 km	Max flight speed	20 m/s
Drone empty weight	88 kg	Waterproof rating	IP67
Folded dimensions	1450*1150*1005 mm	Unfolded dimensions	2800*2800*1005 mm (folded) / 4400*4400*1005 mm (unfolded)

Payload Mounting & Release



Fire-suppression Nozzle Mounting

It can carry a fire-suppression nozzle aloft. Connected directly to fire engines via water hoses, it delivers fast and precise fire suppression against fire points on high-rise buildings.

Fire-suppression Bomb Release

In open areas, industrial parks and mountain wildfire sites, it can rapidly release fire-suppression bombs to strike and extinguish target fire points.



Fire-suppression Tank Mounting

Capable of mounting fire-suppression tanks for continuous extinguishing agent spraying, it features large coverage and is suitable for combating large-scale fire scenarios.

Mountable Payload



Fire-
suppression
Nozzle



Fire-
suppression
Bomb



Fire-
suppression
Tank



Rescue
Launcher



Loudhailer

Overview of Payloads



AT-DL95



AT-DL100



AT-DL40T

AT-DL95

	Wide-FOV Visible Light	Narrow-FOV Visible Light
FOV Angle	42.1°×23.7°	17.5°×9.8°
Detection Distance	1 km for people, 4 km for vehicles	2 km for people, 6 km for vehicles
Recognition Distance	0.25 km for people, 1 km for vehicles	0.5 km for people, 3 km for vehicles
Focal Length	10.44 mm	25 mm

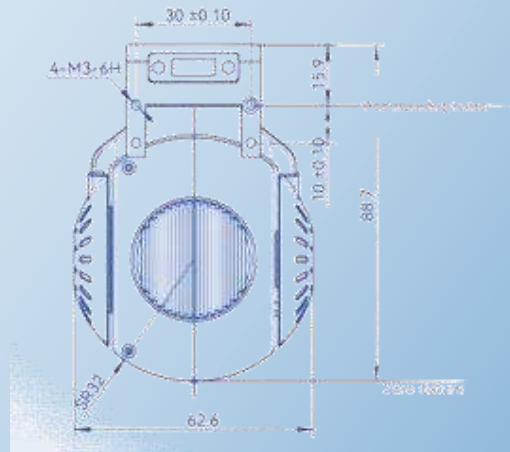
AT-DL100

AT-DL40T

	Visible Light	Thermal Imaging	Visible Light	Thermal Imaging
Resolution	3840×2160	640×512	1920×1080	640×512
Detection Distance	0.65 km for people, 3.9 km for vehicles	0.67 km for people, 3.3 km for vehicles	11.1 km for people, 20 km for vehicles	1.7 km for people, 7.4 km for vehicles
Recognition Distance	0.16 km for people, 1 km for vehicles	0.19 km for people, 0.83 km for vehicles	2.7 km for people, 11 km for vehicles	0.4 km for people, 1.8 km for vehicles
Focal Length	10.44 mm	19 mm/ F10	F=4.25-170 mm	35 mm/ F1.0
Servo Control			Laser Rangefinder	
Azimuth Range	±150°		Ranging Range	20 m-3000 m
Elevation Range	-90° to +30°		Ranging Accuracy	±1 m
Angle Accuracy	≤0.3°		Ranging Frequency	1-10 Hz

AT-DL95

AT-DL95 is a 2-axis gyro-stabilized dual-light gimbal with compact, lightweight and integrated design, built for



Product Features

- Supports dual-FOV visible-light imaging
- High-precision 2-axis stabilization, fully isolates carrier azimuth and elevation motion
- Multiple working modes: manual, tracking, follow-up and stow
- Supports OSD character overlay and picture-in-picture
- Simultaneous dual-visible-light photo & video capture for post-mission analysis
- Deep-learning-based tracking against template drift and target occlusion
- Low end-to-end latency; point-and-lock for precise moving-target locking
- Specific target recognition, auto-detects person, vehicle, vessel and aircraft; with snap-on tracking
- Multi-target tracking; target lock via keyboard or voice numbering
- Real-time status monitoring for sensors and unit
- Web-based remote firmware upgrade

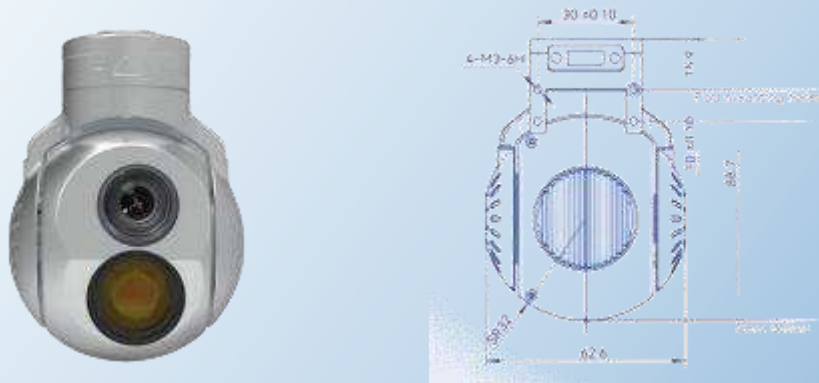
- High-precision frame angle output
- Withstands 200 g acceleration shock
- Supports keyboard control, click-to-track and box-drawing tracking for easy operation

Product Specifications

Wide-FOV Visible Light		Narrow-FOV Visible Light	
Waveband	0.4μm - 0.9μm	Waveband	0.4μm - 0.9μm
Resolution	3840×2160	Resolution	3840×2160
FOV Angle	42.1°×23.7°	FOV Angle	17.5°×9.8°
Detection Distance	1 km for people, 4 km for vehicles	Detection Distance	2 km for people, 6 km for vehicles
Recognition Distance	0.25 km for people, 1 km for vehicles	Recognition Distance	0.5 km for people, 3 km for vehicles
Focal Length	10.44 mm	Focal Length	25 mm
Single-target Tracking		Multi-target Tracking	
Target Type	General Target	Target Type	Person, Vehicle, Vessel, Aircraft
Tracking Rate	≥32 pixels/frame	Recall Rate	≥90%
Tracking Frame Rate	≥50FPS	Precision Rate	≥80%
Servo Control		Minimum Target Size	32×32@1080p
Azimuth Range	±150°	Number of Tracked Targets	≥20
Elevation Range	-90° to +30°	Tracking Jitter Rate	≤15%
Angle-measurement Accuracy	≤0.3°	Tracking Update Frame Rate	≥25FPS

AT-DL100

AT-DL100 is a 2-axis gyro-stabilized dual-light gimbal with compact and lightweight design. It integrates a



Product Features

- Supports dual-FOV visible-light imaging
- High-precision 2-axis stabilization, fully isolates carrier azimuth and elevation motion
- Multiple working modes: manual, tracking, follow-up and stow
- Supports OSD character overlay and picture-in-picture
- Supports simultaneous visible-light & infrared photo and video capture
- Electronic image stabilization for sub-pixel-level stability
- Occlusion-resistant tracking; target-recognition-aided stable tracking
- Specific target recognition, auto-detects person, vehicle, vessel and aircraft
- Multi-target tracking; target lock via keyboard or voice numbering
- Link-latency resistance for precise moving-target locking
- Web-based remote firmware upgrade

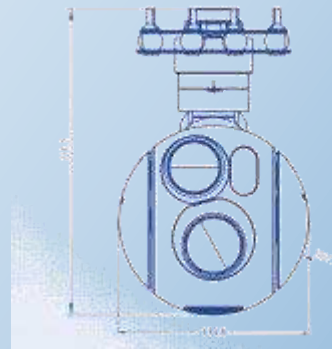
- Dual-light
- High-precision frame angle output
- Withstands 200 g acceleration shock
- Supports keyboard control, click-to-track and box-drawing tracking for easy operation

Product Specifications

Visible Light		Thermal Imaging	
Waveband	0.4 μ m - 0.9 μ m	Waveband	8 μ m - 14 μ m
Resolution	3840 $\times$ 2160	Resolution	640 $\times$ 512
FOV Angle	42.1 $^{\circ}$ $\times$ 23.7 $^{\circ}$	Pixel	12 μ m
Detection Distance	0.65 km for people, 3.9 km for vehicles	Detection Distance	0.67 km for people, 3.3 km for vehicles
Recognition Distance	0.16 km for people, 1 km for vehicles	Recognition Distance	0.19 km for people, 0.83 km for vehicles
Focal Length	10.44 mm	Focal Length	19 mm/ F1.0
Single-target Tracking		Multi-target Tracking	
Target Type	General Target	Target Type	Person, Vehicle, Vessel, Aircraft
Tracking Rate	≥ 32 pixels/frame	Recall Rate	$\geq 90\%$
Tracking Frame Rate	≥ 50 FPS	Precision Rate	$\geq 80\%$
Servo Control		Minimum Target Size	32 $\times$ 32@1080p
Azimuth Range	$\pm 150^{\circ}$	Number of Tracked Targets	≥ 20
Elevation Range	-90 $^{\circ}$ to +30 $^{\circ}$	Tracking Jitter Rate	$\leq 15\%$
Angle-measurement Accuracy	$\leq 0.3^{\circ}$	Tracking Update Frame Rate	≥ 25 FPS

AT-DL40T

AT-DL40T intelligent EO pod adopts 3-axis servo-stabilized platform to deliver stable imaging under com



Product Features

- Integrates high-resolution visible-light and long-wave infrared dual-channel detectors for real-time dual-band imaging and independent output
- Features 3-axis gyro mechanical stabilization plus electronic image stabilization
- Core modes: manual control, intelligent tracking, geo-fencing, panoramic scan, follow-lock, safe homing; supports quick mode-group switching and preset parameters
- OSD display for coordinates, distance, azimuth and other data
- Supports PIP picture-in-picture and dual-spectrum on-screen comparison
- Built-in laser rangefinder; computes target geo-coordinates with GNSS/IMU
- Synchronous visible-light & infrared video storage; configurable format and recording duration
- Real-time locking and tracking of moving targets via trajectory prediction
- Recognizes typical targets such as persons and vehicles for auto-tracking within certain range
- Marks up to 20 typical targets with IDs and enables ID-based target locking
- Real-time monitoring and display of sensor operating status
- Web-based parameter configuration and firmware upgrade



Product Specifications

Visible Light		Thermal Imaging	
Waveband	0.4 μ m - 0.9 μ m	Waveband	8 μ m - 14 μ m
Resolution	1920 $\times$ 1080	Resolution	640 $\times$ 512
Optical Zoom	40X	Temperature Measurement	Supported
Detection Distance	11 km for people, 20 km for vehicles	Detection Distance	1.7 km for people, 7.4 km for vehicles
Recognition Distance	2.7 km for people, 11 km for vehicles	Recognition Distance	0.4 km for people, 1.8 km for vehicles
Focal Length	F=4.25-170 mm	Focal Length	35 mm/ F1.0
Single-target Tracking		Multi-target Tracking	
Target Type	General Target	Target Type	Person, Vehicle, Vessel, Aircraft
Tracking Rate	≥ 32 pixels/frame	Recall Rate	$\geq 90\%$
Tracking Frame Rate	≥ 50 FPS	Precision Rate	$\geq 80\%$
Laser Ranging		Minimum Target Size	32 $\times$ 32@1080p
Ranging Range	20 m-3000 m	Number of Tracked Targets	≥ 20
Ranging Accuracy	± 1 m	Tracking Jitter Rate	$\leq 15\%$
Ranging Frequency	1-10 Hz	Tracking Update Frame Rate	≥ 20 FPS

A CONTACT US

THANK YOU FOR YOUR ATTENTION



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