

ATIL



Aero Technology Industry CO., Ltd.

Product Catalog



Aero Technology Industry CO., Ltd.

ATIL GOAL

“ATIL targets to become one of the leading UAS supplier worldwide, proposing the smart solutions for defense and industries.”

ATIL PROFILE

The joint venture for Unmanned Aircraft Systems (UAS) and aviation products, namely Aero Technology Industry Company Limited (ATIL), is to be initiated in Thailand, whose main business is in aviation products development, production and supply, with UAS as its main products.

The intended shareholders are Defence Technology Institute (DTI) through its research and development and technical support, PYN International Co., Ltd through its strong logistic chain support, and international venture capital through its financial support.

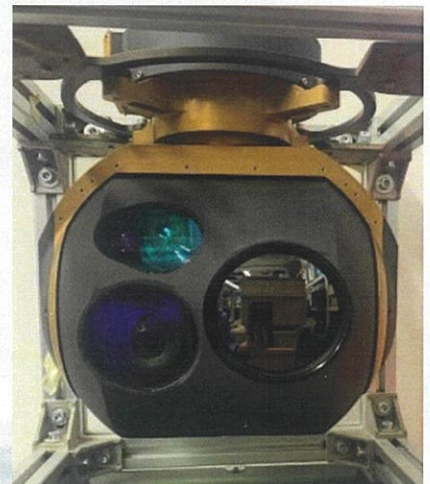


DP6

DP6 is a small VTOL UAV, using the brushless motor as vertical take-off and landing power and the piston engine as the flight power. It can perform long-time missions when equipped with corresponding payloads such as maritime/land reconnaissance, border patrol surveillance, damage effectiveness assessment.

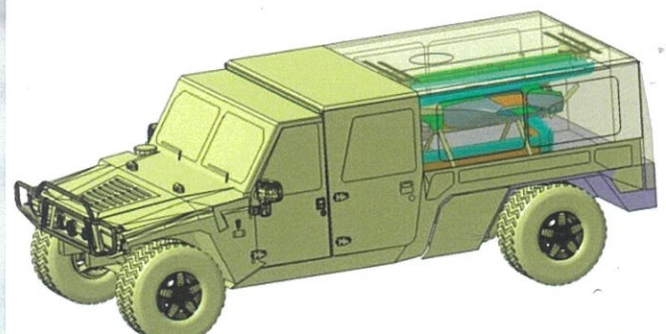
Specification

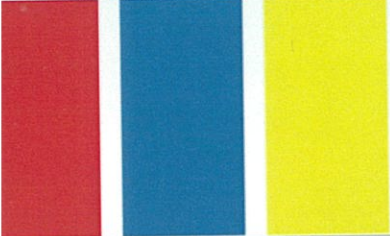
Ceiling	4,500 m (14,700 ft.)
Cruising Altitude	2,000-3500 m. (6,500 - 11,500 ft.)
Maximum Endurance	More than 6 hours
Maximum speed	140 km/hr. (75knots)
Cruising Speed	80-120 km/hr. (43-65 Knots)
Maximum Take-off Weight	75 kg
Maximum Payload	10 kg
Operation Radius	100 km
Wind Resistance	level 5
Rain Resistance	The System can work normally in light rain



Feature

Large aspect ratio design and wing body fusion pneumatic shape, high lift-drag ratio, large cabin volume. The airframe is made of composite material, featuring light weight, long life-cycle, and good corrosion resistance.





DP16

DP16 is a tactical reconnaissance attack UAS, for reconnaissance, surveillance, attack, artillery fire calibration, battlefield damage assessment, monitoring and patrol. With four hard-points on the wings, it has the features of high cost-effective, small size, easy operation, strong adaptability and reliability. This UAV system has compact design, is easy to disassemble, which can be delivered by land, air, or sea, and can be deployed quickly and flexibly based on mission requirements.

Features

Big Aspect Ratio and double tail booms, High automation, General modular design, Redundancy design in key systems, Miniaturized and highly integrated, Can carry 30 kg ammunition, Various payload such as EO/IR, weapon hardpoints, fire control systems, ammunition

Specification

Wingspan	10m
Length	5.7m
Height	1.2m
Maximum Take-off Weight	360kg
Maximum Level Speed	110 knots
Cruising Speed	65-80 knots
Cruising Altitude	5,000-10,000 ft
Service Ceiling	18,000 ft
Endurance	10hr
Operation Radius	100km
Maximum Fuel	100kg
Maximum Mission Payload	80kg
Navigation Methods	integrated Navigation
Navigation Accuracy	10 m (CEP)





DP20

DP20 is a medium-altitude and long-endurance (MALE) UAS with all-weather operation capability, complex environment adaptability, and multi-purpose capability. It can be assigned to multiple armed forces, such as army, navy, air force and police. It can be used for reconnaissance, surveillance, target detection/ identification/ tracking, weapon strikes, border patrols, battlefield information collection, fire correction, combat damage evaluation, communication relay, marine surveillance, and many other tasks.

Specification

Wingspan	13.4m
Length	5.75m (Pilot excluded)
Height	2.75m
Endurance	20 hr
Maximum Take-off	750kg
Cruising Speed	75-100knots
Maximum Level Speed	135knots
Cruising Altitude	16,500-23,000ft
Practical Ceiling	24,500ft
Maximum Mission Payload	150kg
Maximum Fuel	200kg
Operation Radius	250km (LOS) 2500km (SATCOM)
Payload Type	EO/IR Turret, MSAR, Weapon System, SIGINT, Comm. Relay

FEATURES

High performance, Autonomous wheeled take-off and landing, All-day and all-weather, Various Payload, High-precision navigation system, Excellent crosswind resistance, Great flight control system, Redundancy design in key systems, Simple, convenient and reliable operation

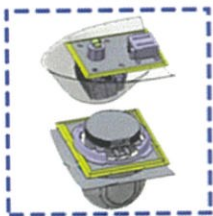


DP20-A

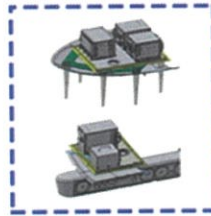
DP20-A is a multi-functional medium altitude long endurance (MALE) UAS optimized and improved from DP20-A UAS in active service in Chinese Military. It can be equipped with EO/IR turret and SAR to achieve reconnaissance, intelligence collecting and targeting tasks; it can also be equipped with the SIGINT equipment for ELINT, COMINT and positioning. It features advanced aerodynamic layout, great environment adaptability, excellent performance, and easy operation.

Specification

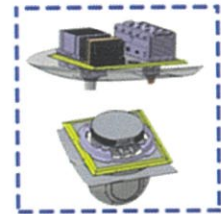
Wingspan	18m
Length	10.63m
Height	2.28m
Ceiling	7,500m(24,500ft)
Max.Fuel load	480kg
Payload Capacity	370kg
Maximum Take-off Weight	1,500kg
Endurance	40hr+
Max. Speed	115 knots
Operation Radius:	250 km (LOS) 2,000 km (SATCOM)



ISR



SIGINT



Comm.Relay

Multi-function, Full Composite Fuselage, Long Endurance, Large Payload Capacity, 4 Hard points, Dual Payloads Carry-on, All-day and All-weather, Served in PLA and Combat-proven

ATIL Logistics Drones



DP24 (Logistics)

Feature

Adhering to the full redundancy safety design and Fail-Safe system, DP24 (Logistics) employs the coaxial propellers design with 8 arms and 16 propellers, whose core system is equipped with redundancy backup. Under the networked supervision and monitoring of command and dispatch center, it can realize accurate. vertical take-off and landing, along with the automatic flight on an inverted U-shaped route.

Specification

Type of rotor	Muti-rotor
Maximum Speed	130km/h
Designed flight time with maximum payload	21 min
Design flight Distance with maximum payload	35km
Maximum payload	250kg
Time to Full charge	≤ 120min



ATIL Logistics Drones



DP25 (Logistics)

Feature

Proven performance for your Mission; Prosperity | Operate at a lower seat mile cost than any vertical takeoff aircraft available today;

As ATIL's new large-scale load electric hanging eVTOL aircraft, the DP25 (LOGISTICS) has the largest take-off weight of 2,000 kg and the largest load of 500 kg. It adopts pure electric drive, unmanned, and has the same carrying capacity as a small helicopter.

It adopts the composite wing configuration independently developed by ATIL- which can not only take off and land vertically like multi-rotor or helicopters, but also cruise quickly and efficiently like a fixed-wing aircraft. It integrates convenience, timeliness, low cost and large load, which can make DP25 (LOGISTICS) widely used in the last 100 kilometers of logistics, emergency material transportation, fire emergency rescue and other scenarios.

Specification

MAX RANGE	240+ KM
CRUISE SPEED	210+ KM/H
MAX PAYLOAD	500+ KG



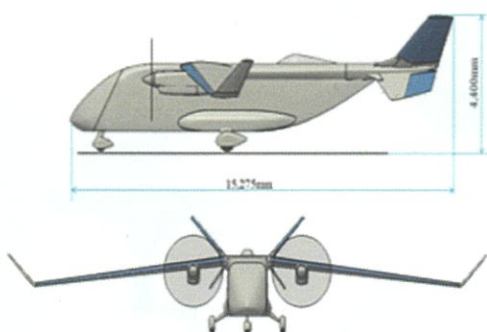


DP26

Logistics Unmanned Cargo Aircraft - DP26 is new general-purpose, multi-function UAV system designed and developed according to the airworthiness standard of large-scale UAV, aiming at the logistics application scenarios of regional aviation UAV. It features low cost, high efficiency, high intelligence and high security. In the military field, DP26 can be used as a medium and short-range unmanned transport aircraft to complete material/supplies transportation, airdrop, rescue and disaster relief. Because of its large load capacity and modular interface design, it can also carry various modified mission equipment to accomplish tasks such as reconnaissance, early warning, and scientific research flight test of weapons and equipment.

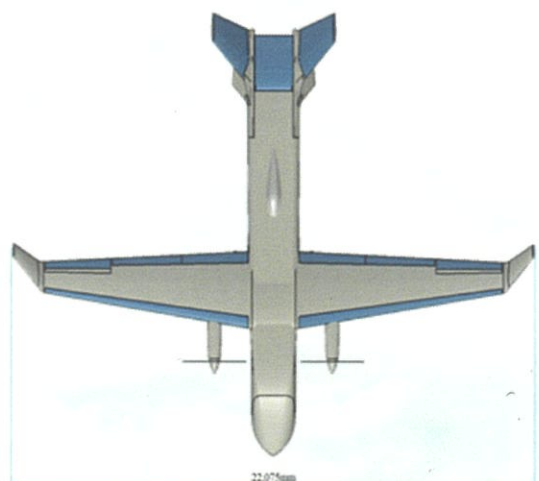
Specification

Wingspan	22.075m
Length	15.275m
Max.Load Capacity	2,700kg
Economical Cruising Speed	110-145 knots
Max. Level Speed	180knots
Cruising Altitude	10,000-20,000ft
Practical Ceiling	24,500ft
T/L Distance	400m(asl) 1,000m(plateau)
Max. Range	3,000km
Practical Range	2,500km, load weight of 500 kg
(With fuel left for 45min flight)	2,000km, load weight of 1,000 kg
	1,000km, load weight of 1,800 kg
	600km, load weight of 2,700 kg

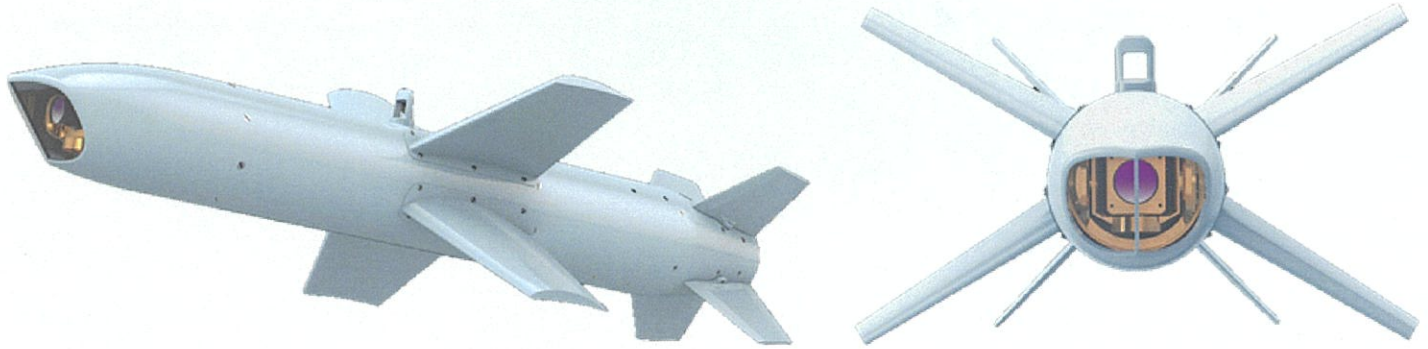


FEATURES

Regional/provincial transportation with high efficiency, Great aerodynamic layout, Large load capacity, High operational efficiency, Large cargo compartment all-through fuselage, Compatible to various types of standard containers, Bidirectional cargo handling, Turboprop twin-engine design, Advanced flight control, Extraordinary environment adaptability and reliability



ATIL Weapons



AG-001 Laser Guided Bomb

Specifications of AG-001 Laser Guided Bomb

Gross weight (Kg)	16	Guidance System	INS + Semi Active Laser Seeker
Warhead (Kg)	10	CEP	1.0
Diameter (mm)	127	Target Speed (km/h)	0-70
Length (mm)	1015	Shoot Range(km)*	1-9/

ATIL Weapons



AG-002 Laser Guided Missile

Specifications of AG-002 Laser Guided Missile

Gross weight (Kg)	22	Guidance System	INS + Semi Active Laser Seeker
Warhead(Kg)	7.0	CEP	1.0
Diameter (mm)	140	Target Speed (km/h)	0-70
Length (mm)	1600	Shoot Range(km)*	1.5-10