

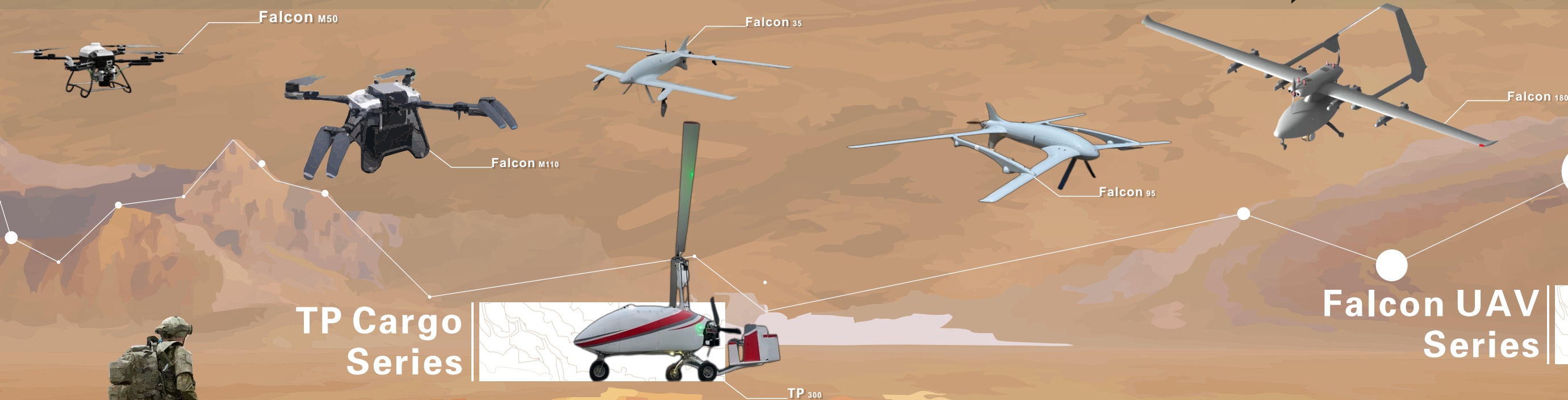
Loitering Missile
Falcon UAV
Series

Loitering Falcon



Pito Aviation Technology Co, LTD.

Loitering Missile Series



Pito 150



Pito 150



Dimensions
Wingspan:1100mm
Length:1000mm



Range
60~80km



Speed
Cruise: 70~120km/h
Dash:120km/h



Endurance
40min



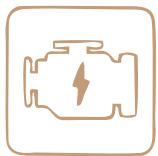
Takeoff Weight
5kg



Maximum payload weight
1.5kg



Ceiling
3000m



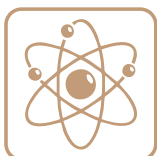
Engine
Electric motor



Launch mode
Bungee



Preparation time
< 5 min



Material
Carbon fiber composite;EPP

Pito 500



Dimensions
Wingspan:1500mm
Length:1400mm



Range
80~100km



Speed
Cruise: 70~130km/h
Dash:130km/h



Endurance
50min



Takeoff Weight
7.5kg



Maximum payload weight
5kg



Ceiling
3000m



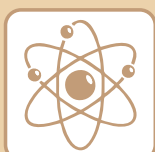
Engine
Electric motor



Launch mode
Bungee



Preparation time
< 5 min



Material
Carbon fiber composite;EPP



Pito 500





Pito 250



Dimensions
Wingspan:1594mm
Length:1020mm



Range
60km



Speed
Cruise: 110km/h
Dash:200km/h



Endurance
40min



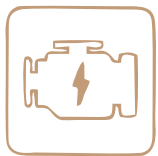
Takeoff Weight
10kg



Maximum payload weight
2.5kg



Ceiling
3000m



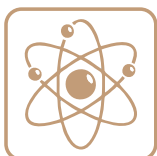
Engine
Electric motor



Launch mode
Self-contained
launcher for ground,
air, and maritime;
Tube-Launcher



Preparation time
< 5 min



Material
Carbon fiber Composite;Aluminum alloy

Pito 250

Pito X500



Dimensions
Wingspan:2400mm
Length:2000mm



Range
100km



Speed
Cruise: 110km/h
Dash:180km/h



Endurance
60min



Takeoff Weight
20kg



Maximum payload weight
5kg



Ceiling
5500m



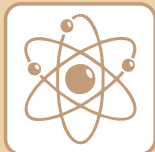
Engine
Electric motor



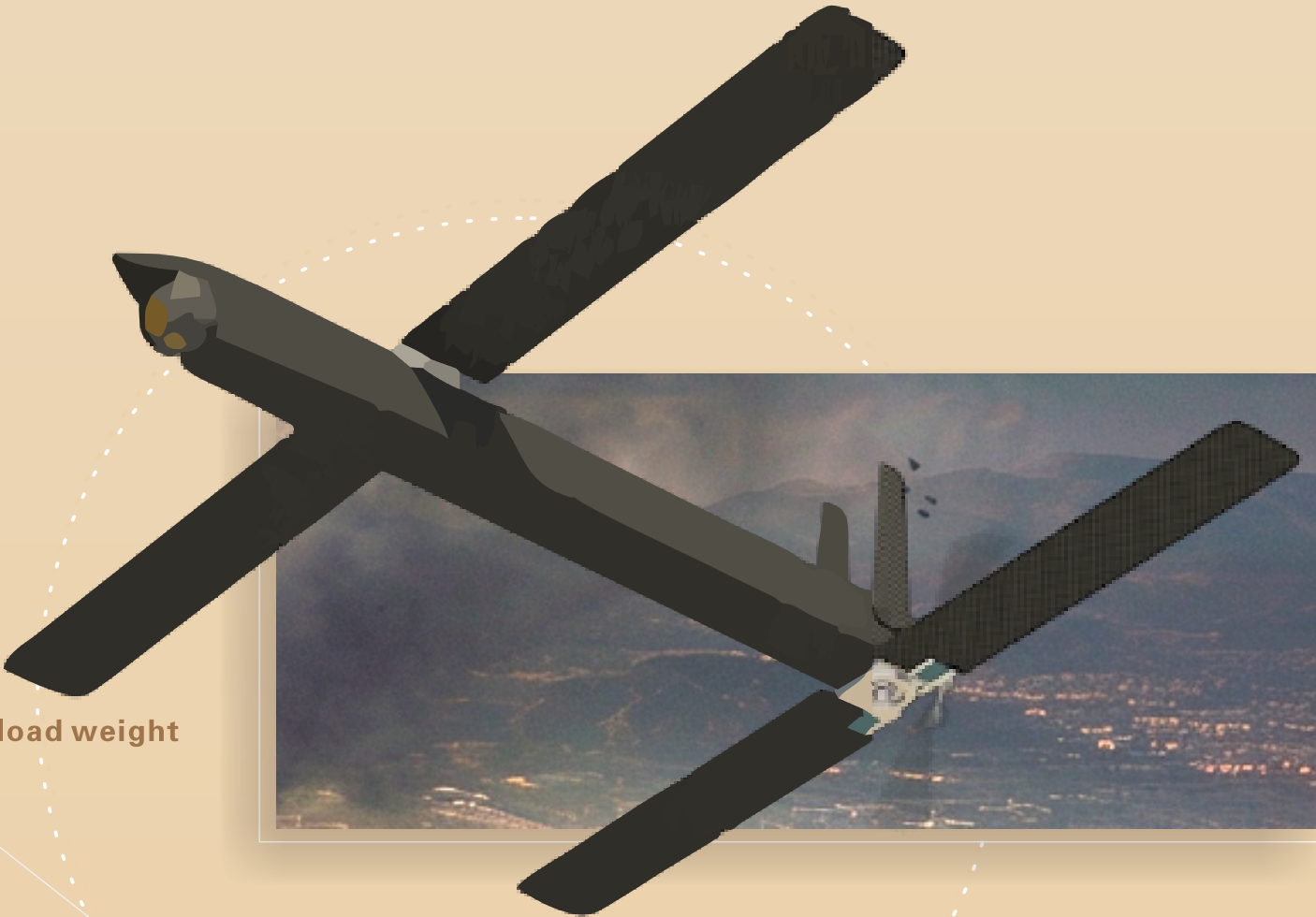
Launch mode
Self-contained
launcher for ground,
air, and maritime;
Tube-Launcher



Preparation time
<10min

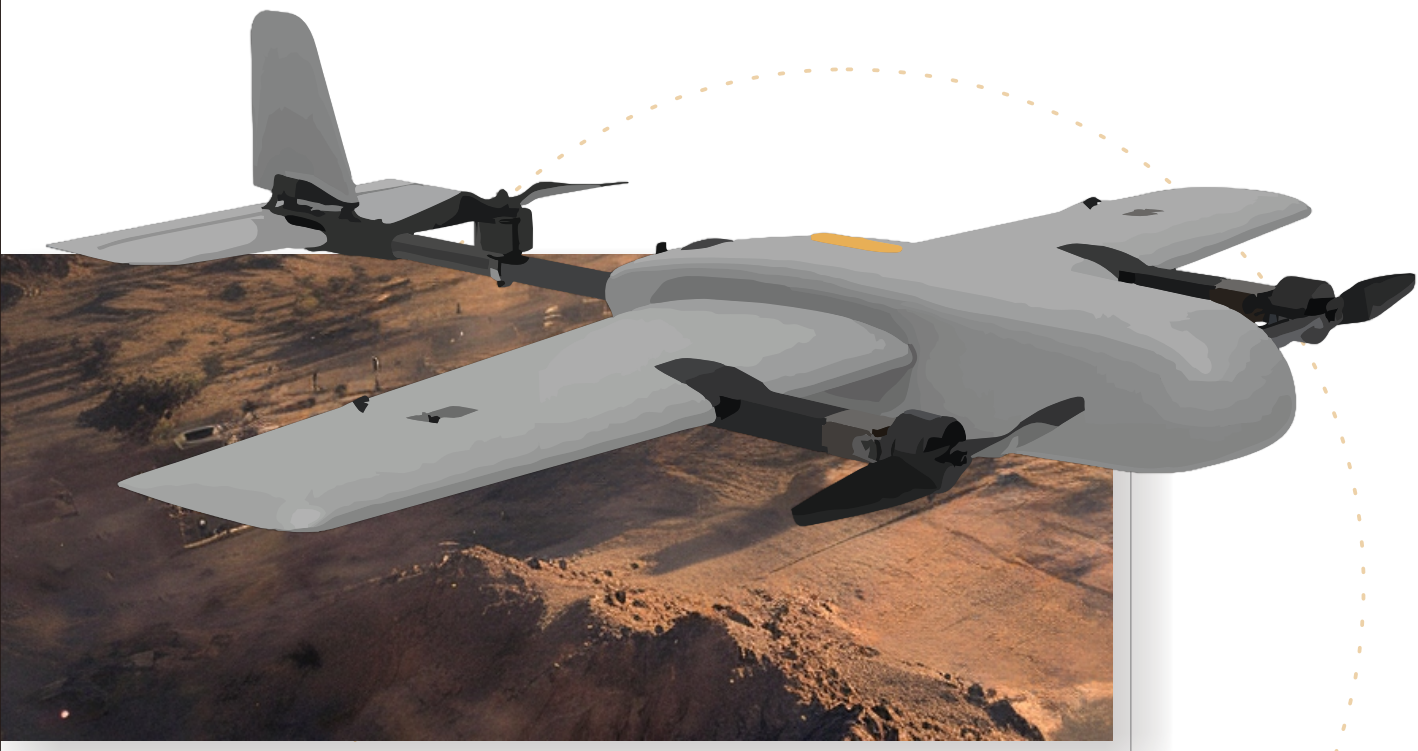


Material
Carbon fiber Composite;Aluminum alloy



Pito X500





Pito 300



Dimensions
Wingspan:1700mm
Length:1317mm



Range
30km



Speed
Cruise: 30~100km/h
Dash:200km/h



Endurance
50min@3kg;
30min@5kg



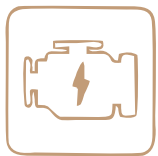
Takeoff Weight
12.5kg



Maximum payload weight
5kg



Ceiling
3000m



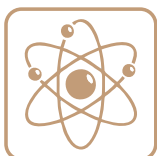
Engine
Electric motor



Launch mode
VTOL



Preparation time
<5 min



Material
Carbon fiber composite;EPP

Pito M500



Dimensions
Wingspan:1460mm
Length:2100mm



Range
220km



Speed
Cruise: 252km/h
Dash:360km/h



Endurance
40min



Takeoff Weight
34kg



Maximum payload weight
5kg



Ceiling
6000m



Engine
Heavy fuel turbojet engine



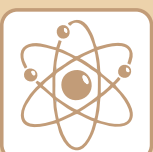
Launch mode
Pneumatic ejection
(Rail)



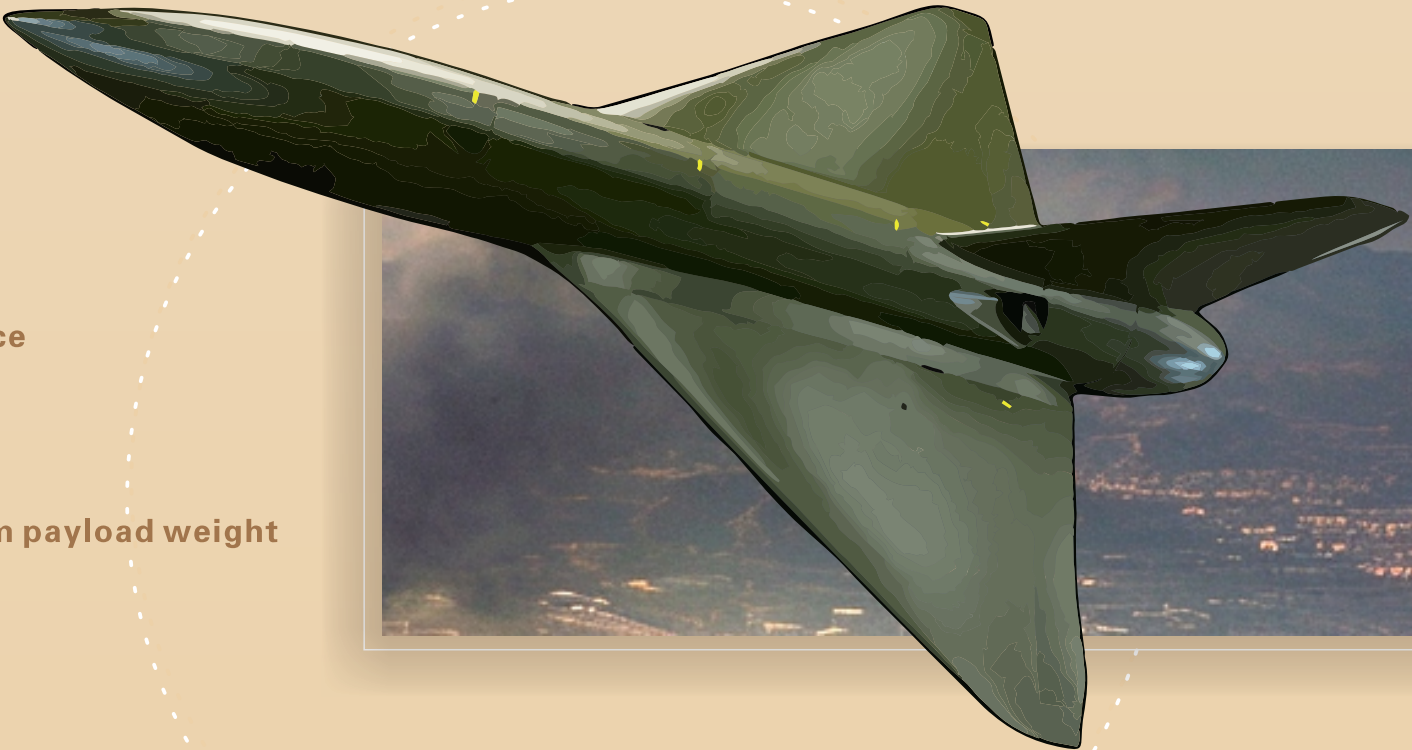
Fuel tank
15L



Preparation time
<10min



Material
Glass fiber composite



Pito M500



Pito 3500



Pito 3500



Dimensions
Wingspan:2154mm
Length:2523mm



Range
800~1500km



Speed
Cruise:120~160km/h
Dash:180km/h



Endurance
8~12h



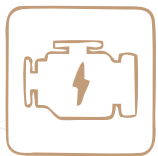
Takeoff Weight
180kg



Maximum payload weight
35~50kg



Ceiling
3000m



Engine
Gasoline piston engine



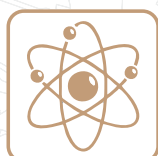
Launch mode
Rocket-assisted
launching;Rocket booster



Fuel tank
110L



Preparation time
<10min



Material
Carbon fiber composite;
Aluminum alloy

Pito H5000



Dimensions
Wingspan:1700mm
Length:4100mm



Range
600km



Speed
Cruise:630~730km/h
Dash:1082km/h



Endurance
1h



Takeoff Weight
175kg



Maximum payload weight
50kg



Ceiling
10000m



Engine
Heavy fuel turbojet engine



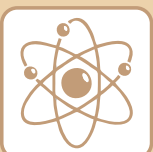
Launch mode
Rocket-assisted
launching;
Rocket booster



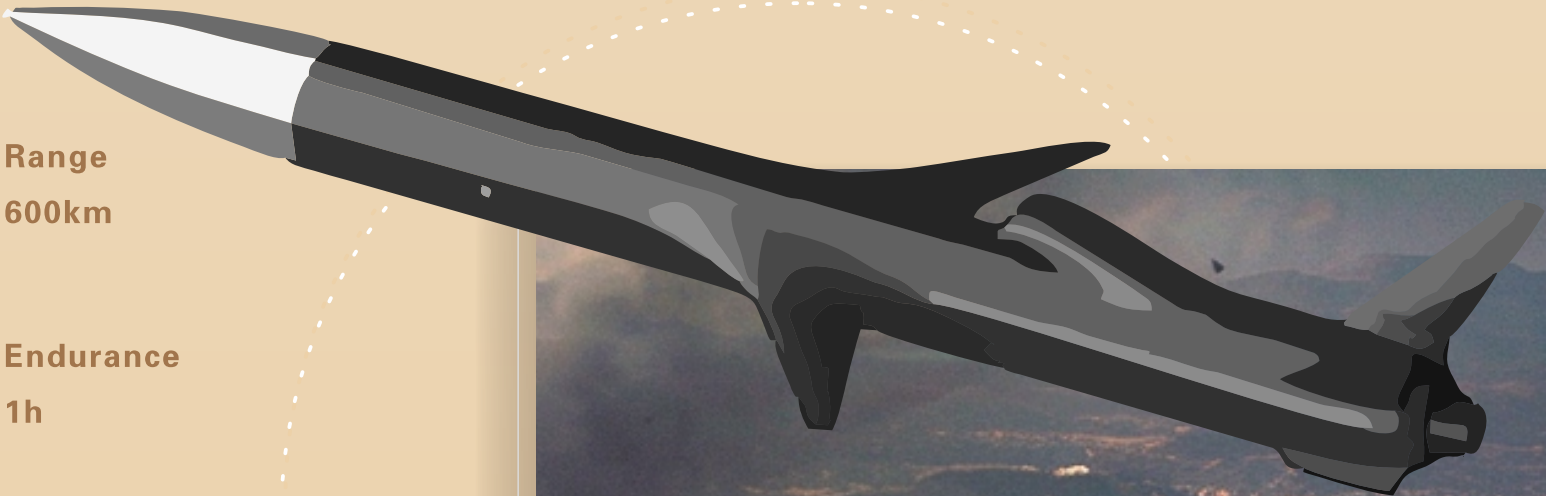
Fuel tank
90L



Preparation time
<15min



Material
Metallic material



Pito H5000



Falcon M50



Dimensions
Wingspan:2360mm
Length:2360mm
Wingspan:1500mm
Length:740mm(folded)



Speed
Cruise: 43km/h
Dash:54km/h



Takeoff Weight
59kg



Ceiling
3200m(Practical
ceiling:1200m)



Launch mode
VTOL



Preparation time
<5min



Range
20km



Endurance
170min



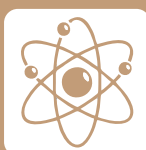
Maximum payload weight
20kg



Engine
Gasoline engine



Fuel tank
16L



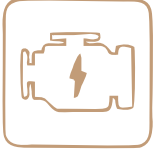
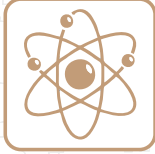
Material
Carbon fiber composite;
Aluminum alloy

Falcon M50



Falcon M110

Falcon M110

	Dimensions Wingspan:2360mm Length:2360mm Wingspan:1500mm Length:740mm(folded)		Range 15~50km
	Speed Cruise: 43km/h Dash:54km/h		Endurance 170min
	Takeoff Weight 96kg		Maximum payload weight 40kg
	Ceiling 3200m(Practical ceiling:1200m)		Engine Gasoline hybrid engine
	Launch mode VTOL		Fuel tank 24L
	Preparation time <5min		Material Carbon fiber composite; Aluminum alloy

Falcon 35



Dimensions
Wingspan:3744mm
Length:2020mm



Speed
Cruise: 95km/h
Dash:144km/h



Takeoff Weight
40kg



Ceiling
5850m



Launch mode
VTOL



Preparation time
<5min



Range
200km



Endurance
12h@3kg;7h@8kg;
2.5h@5kg(electric Drive)



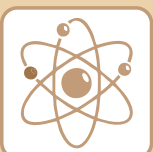
Maximum payload weight
17kg



Engine
Gasoline piston engine
/Electric



Fuel tank
10L

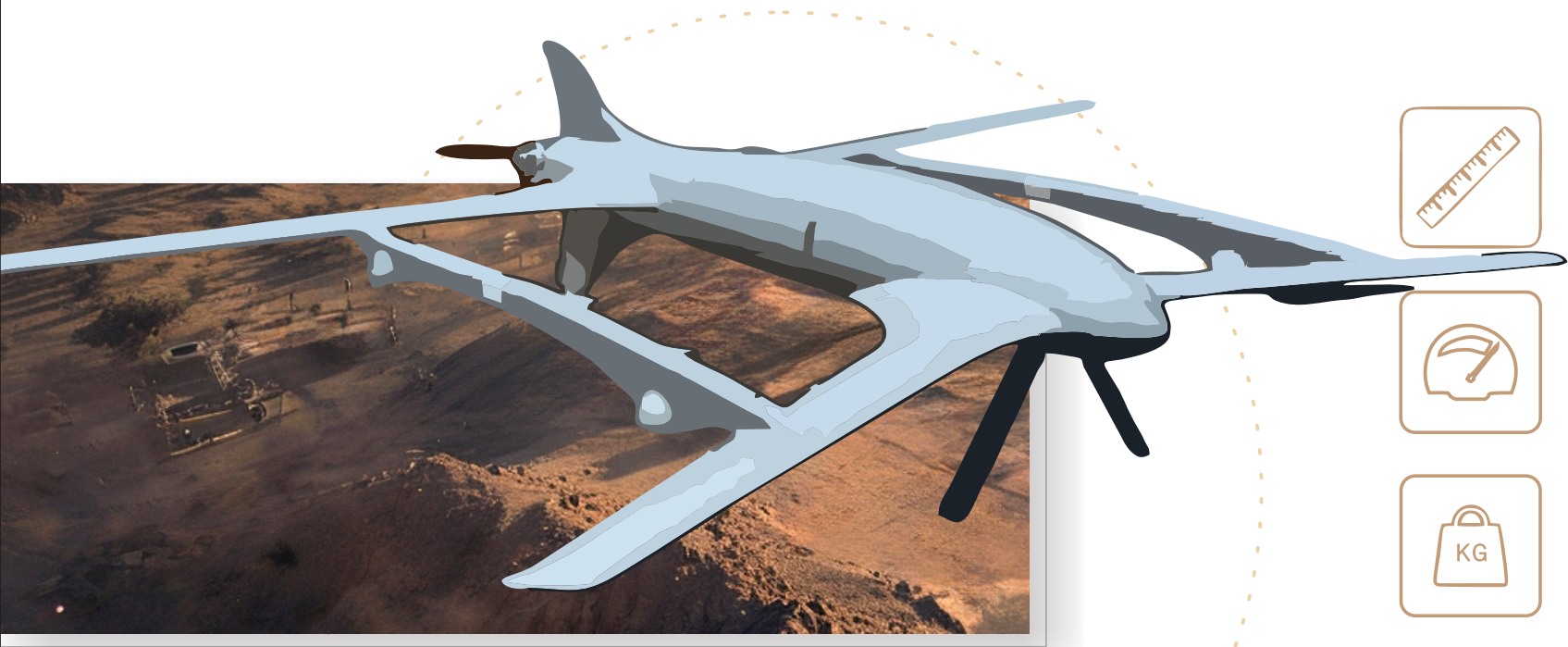


Material
Carbon fiber composite



Falcon 35





Falcon 95



Dimensions
Wingspan:5100mm
Length:2905mm



Range
500km



Speed
Cruise: 110km/h
Dash:180km/h



Endurance
8h@10kg;
4h@25kg;2.5h@30kg



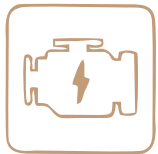
Takeoff Weight
100kg



Maximum payload weight
45kg



Ceiling
5000m



Engine
Gasoline piston engine



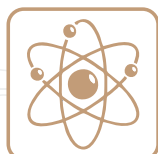
Launch mode
VTOL



Fuel tank
20L



Preparation time
< 10 min



Material
Carbon fiber composite

Falcon 95

Falcon 180



Dimensions
Wingspan:8000mm
Length:3930mm



Range
1000km



Speed
Cruise: 100km/h
Dash:180km/h



Endurance
8h@70kg



Takeoff Weight
180kg



Maximum payload weight
130kg



Ceiling
5000m



Engine
Gasoline piston engine



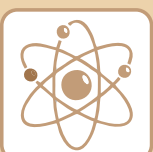
Launch mode
Running takeoff and
landing(Autonomous)



Fuel tank
80L



Preparation time
< 5 min(Rotor
installation time
< 30min)



Material
Carbon fiber composite



Falcon 180



TP 300



Dimensions
Wingspan:8800mm
Length:5500mm



Range
450km



Speed
Cruise: 90~130km/h
Dash:160km/h



Endurance
3.5h@320kg



Takeoff Weight
650kg



Maximum payload weight
320kg



Ceiling
4500m



Engine
Gasoline piston engine



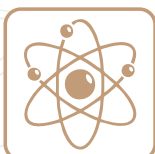
Launch mode
Running takeoff and
landing(Autonomous)



Fuel tank
150L



Preparation time
< 5 min
(Rotor installation
time< 30min)



Material
Carbon fiber composite;
Aluminum alloy

TP 300

Pito F5



Dimensions
Wingspan:300mm
Length:440mm



Range
10km



Speed
Cruise: 110km/h
Dash:180km/h



Endurance
20min



Takeoff Weight
1.1kg



Maximum payload weight
0.6kg



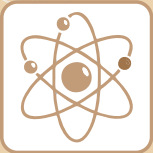
Ceiling
3000m(Practical ceiling:500m)



Engine
Electric motor



Launch mode
VTOL



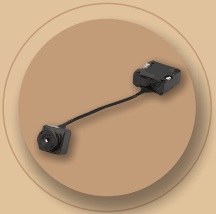
Material
Carbon fiber composite;
Aluminum alloy



Preparation time
< 5 min



Pito F5



Pito F25



Pito F25



Dimensions
Wingspan:390mm
Length:450mm



Range
10km



Speed
Cruise: 110km/h
Dash:180km/h



Endurance
20min



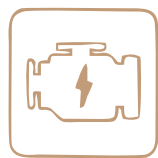
Takeoff Weight
5.5kg



Maximum payload weight
3kg



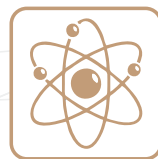
Ceiling
3000m(Practical
ceiling:500m)



Engine
Electric motor



Launch mode
VTOL

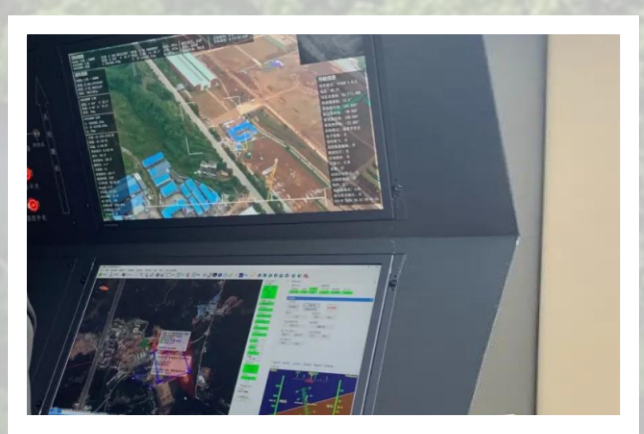


Material
Carbon fiber composite;
Aluminum alloy

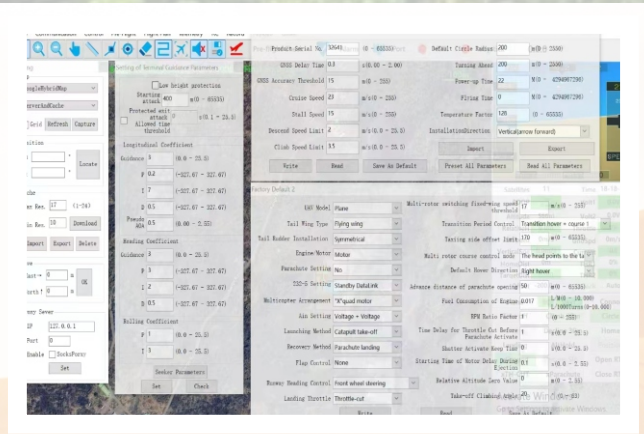
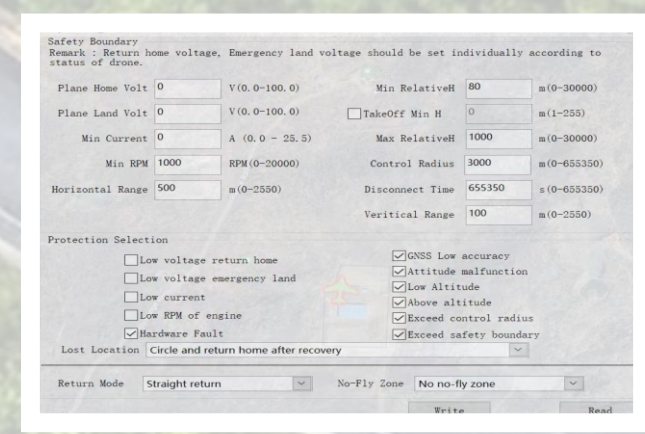
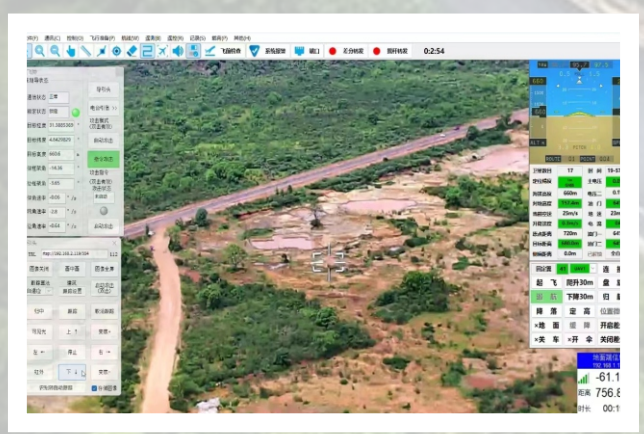


Preparation time
< 5 min





Ground Station and Control System



Mission Planning Wizard

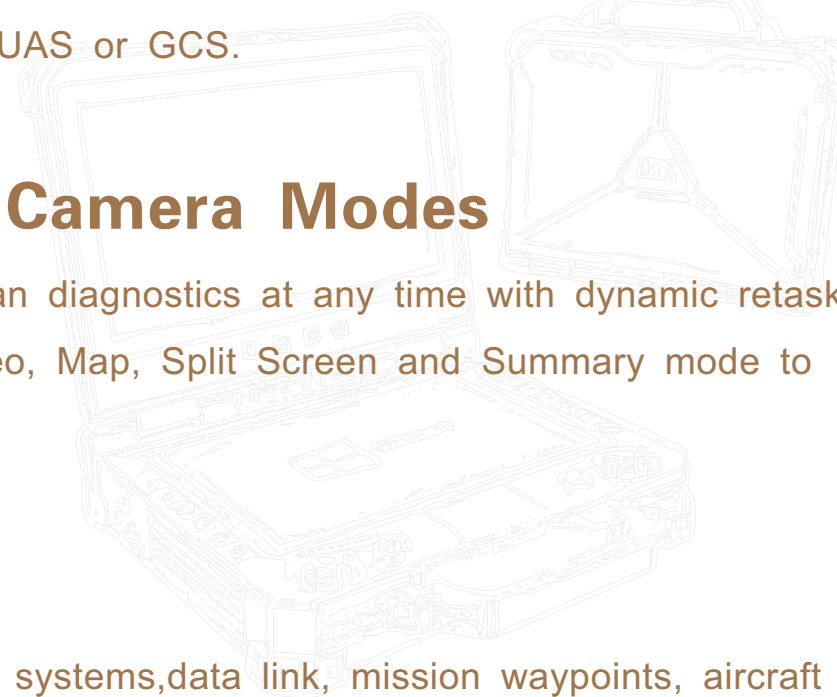
Takes operators through a step-by-step process to set flight operations and mission waypoints, identify any DTED, or quickly re-fly missions previously saved to the UAS or GCS.

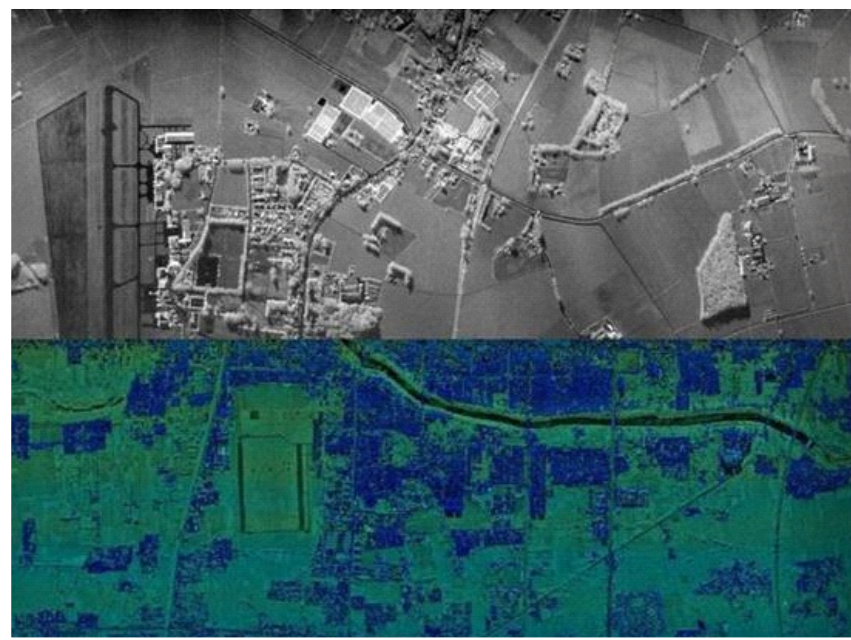
Mission Flight Diagnostics And Camera Modes

View aircraft, GPS, telemetry, radio, GCS and mission plan diagnostics at any time with dynamic retasking. Select from multiple view options including Real-time Video, Map, Split Screen and Summary mode to customize the viewing experience.

Pre-flight Checklist

Comprehensive checklist covering avionics and navigation systems, data link, mission waypoints, aircraft and payload control and aircraft instrumentation reducing the time from set-up to deployment.





Payload Control

Quickly access multiple camera and payload status and control options with zoom capability.



Portability Control

Pad can be used for multi-machine control of loitering munition.



Total solution
Provider



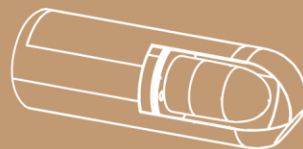
Ground station
(N in 1)



Electro-optical
pod & Seeker



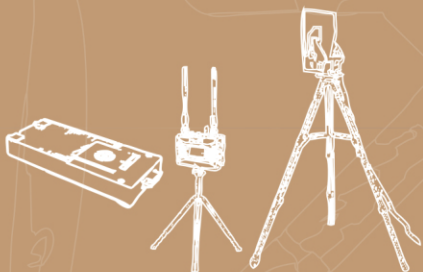
Laser seeker



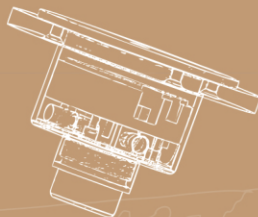
Anti-radiation
seeker



Satellite terminal



Data Link



Warhead



Anti-interference
antenna



Anti-interference
antenna