



Micromultiplexer Aero Technology co.,Ltd

A: 17F Han's Laser Building, NO. 9988 Shennan Avenue, Nanshan District, Shenzhen, China
T: +86 - 755 - 86074603
F: +86 - 755 - 23286506
E: info@mmcuav.com

PRODUCT CATALOG

en.mmcuav.com

mmc is limitless

ABOUT US	02
VEHICLES	05
CUSTOMIZATION	13
APPLICATIONS	19

■ ABOUT US

MMC is a hightech enterprise that designs, develops, manufactures and distributes industrial multirotor UAVs, focusing on enhancing productivity and improving work security & safety.

We are the premier provider of unmanned system solutions and UAS customized services with unparalleled innovation within R&D. With R&D centers in North America and China, MMC has designed various series of commercial multirotor drones which are widely used in but not limited to precision agriculture, power utilities and public security.



深圳市科比特航空科技有限公司
SHENZHEN MICROMULTICOPTER AERO TECHNOLOGY CO.,LTD



Swift F4



HyDrone 1800



Phoenix A6

VEHICLES

Swift F4	07
Hydrone 1800	09
Phoenix A6	11



Swift F4



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parameter	
L-W-H (mm)	2000(L)*1200(W)*400(H)
Max. take-off weight	22.6 kg
Max. payload	10 kg
Frame weight	9 kg
Cruising Speed	0~6 m/s
Max. wind resistance	10 m/s
Max. operating radius	10 km
Flight Time(light load)	20 min
Flight Time(full load)	13 min
Nozzle Tubes Length	1.3 m
Spraying Speed	0.8-1.0 L/min
Spraying Scope	≥3.0 m
Spraying Efficiency	≥20000 m³/h
Propeller (mm)	760 (30 inch)
Power Transfer	80 A
Battery	2*16000 mAh/6S
Structure	Foldable
Airframe & Arm & Landing gear	Carbon fiber + aviation aluminum
Weather	Sunny / cloudy
Communication link capability	2 (2.4GHz) km
Rate of climb AMSL (Above Mean Sea Level)	1 m/s
Max. operating altitude AMSL (Above Mean Sea Level)	4500m



HY Drone 1800



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parameter	
L-W-H (mm)	1770 (L) x 1770(W)x470(H)
Propeller (mm)	730 (28inch)
Standard loads	5 kg
Cruising Speed	0~8 m/s
Maximum operating Radius	10 km
Endurance	>180 min
Flight distance	>100 km
Power & battery	hydrogen fueled
Assembly&Disassembly	Tapered arms with plug structure
Body&Arms&Landing Gear	Integral Carbon fiber
Boby	orange / black (Customization)
Rate of climb AMSL (Above Mean Sea Level)	0~2 m/s
Temperature	10 up to 50 °C
Humidity	max 90% r.H.
Max Wind Resistance	9 m/s (beaufort scale 5)
Maximum operating altitude AMSL (Above Mean Sea Level)	4500 m
Communication link capability	2 (2.4GHz) /5 (900MHz) km
Weather	Sunny, rain or snow



Phoenix A6



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parameter	
L-W-H (mm)	2280 (L) x 2070 (W) x 620 (H)
Propeller (mm)	730 (28inch)
Maximum take-off weight	8 kg
Standard loads	3 kg
Cruising Speed	0~9 m/s
Rate of climb AMSL (Above Mean Sea Level)	0~2 m/s
Temperature	10 up to 50 °C
Humidity	max 90% r.H.
Max Wind Resistance	9 m/s (beaufort scale 5)
Maximum operating altitude AMSL (Above Mean Sea Level)	4500 m
Communication link capability	2 (2.4GHz) / 5 (900MHz) km
Maximum operating Radius	5 km
Maximum operation time without payload	75 min
Maximum operation time	43 min (load 2 kg) / 28 min (load 5 kg)
Power transfer	40 A
Battery	22000 mAh/6S
Assembly&Disassembly	Tapered arms with plug structure
Body&Arms&Landing Gear	Integral Carbon fiber
Boby	Red (Customization)
Weather	Sunny, rain or snow



APPLICATIONS

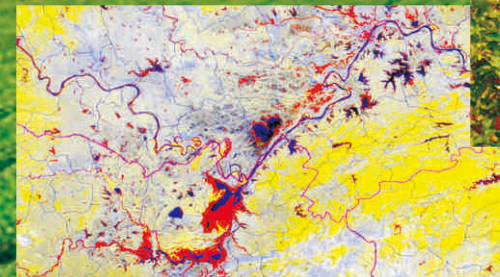
Precision Agriculture	20
Power Line Stringing	22
Power & Utilities Inspection	24
Public Security	26
Mapping /GIS	28



Precision Agriculture

MMC UAV Applications

- Monitoring in crop
- Monitoring in livestock
- Agriculture remote sensing
- Plant pollination
- Pesticide spraying
- Orchard inspection





Power Line Stinging



Power & Utilities Inspection

MMC UAV Applications

Power line / cable inspections
Oil / Gas pipeline inspections
Solar installation inspections
Cooling tower inspections
Wind turbine inspections
Bridge inspections
Train line inspections
Radiation measurement and monitoring





Mapping /GIS

MMC UAV Applications

Remote sensing and
photogrammetry
Surveying & mapping of
earthquakes
Surveying & mapping of plane
crashes
Mapping of industrial zones
Surveying & mapping of flooding
Surveying & mapping of
landslides
Surveying & mapping of
catastrophes
GIS application-Urban planning
GIS application-Environmental
assessment

