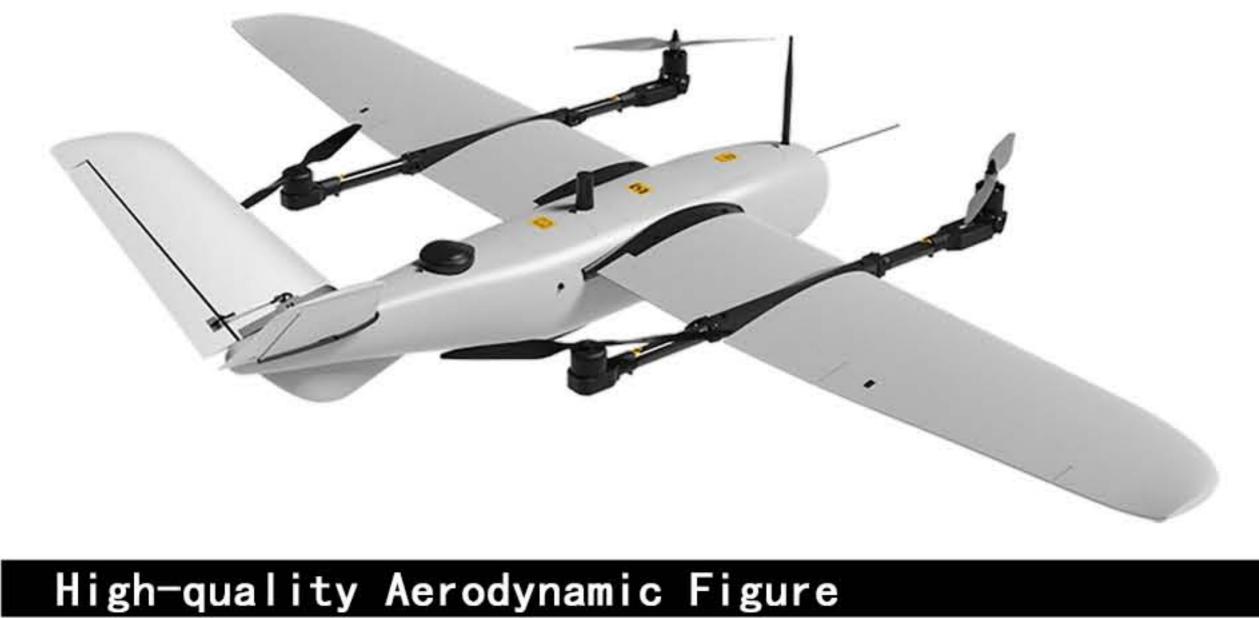
Tips

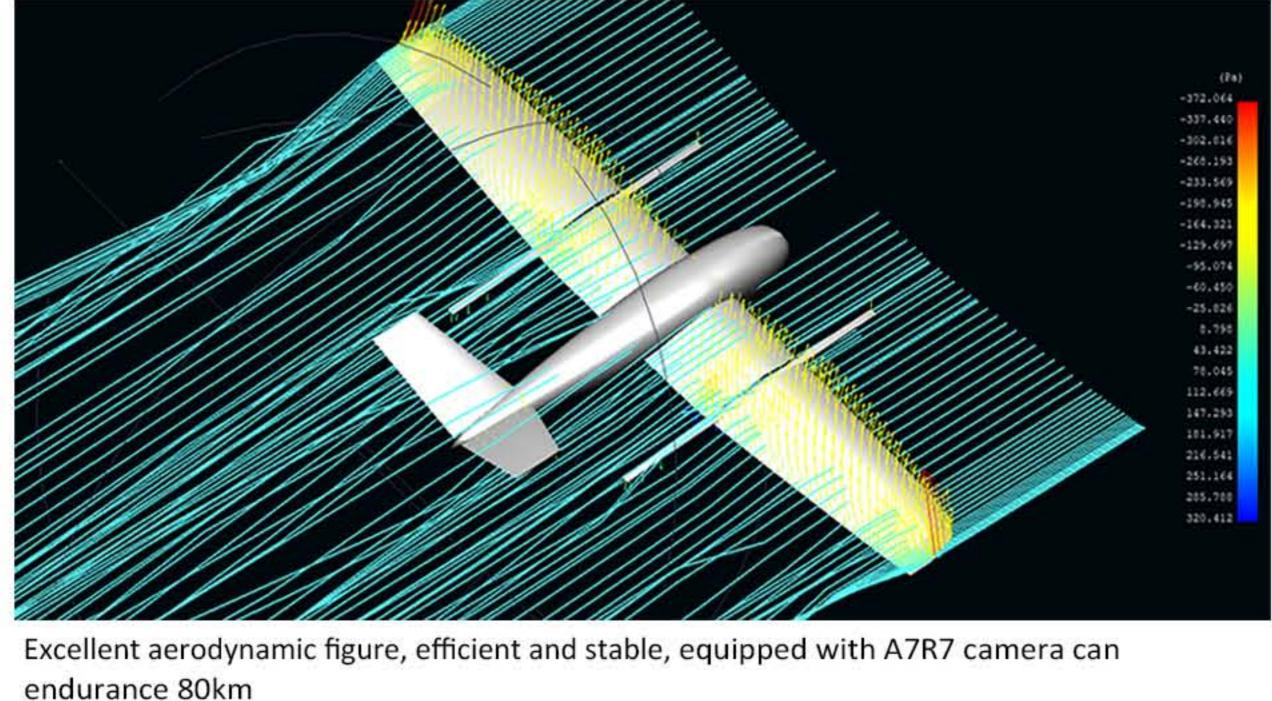
Makeflyeasy team improved the production process of Believer and Freeman, improved production efficiency and reduced labor costs. The price of carrier products is lowered

Overview Description

Freeman 2100 (Span 2.1m) is a VTOL fixed-wing aerial survey carrier modified on the basis of Believer

The market positioning of Freeman 2100 is high cost perform and entry-level, and aim to help more traditional surveying team to take the lead to fly and complete aerial survey projects and use data to create value





Fast Folding Arm



turned to lock

Using self-locking and folding

One button can be folded and

structure

Aluminum alloy and carbon tube

are fixed by 4 rivets, light and re-

liable



ESC has good heat dissipation



Simplified Servo, ESC wiring,

effect, without fear of harsh

external environment of work

beautiful and practical

Can accommodate Hobby-

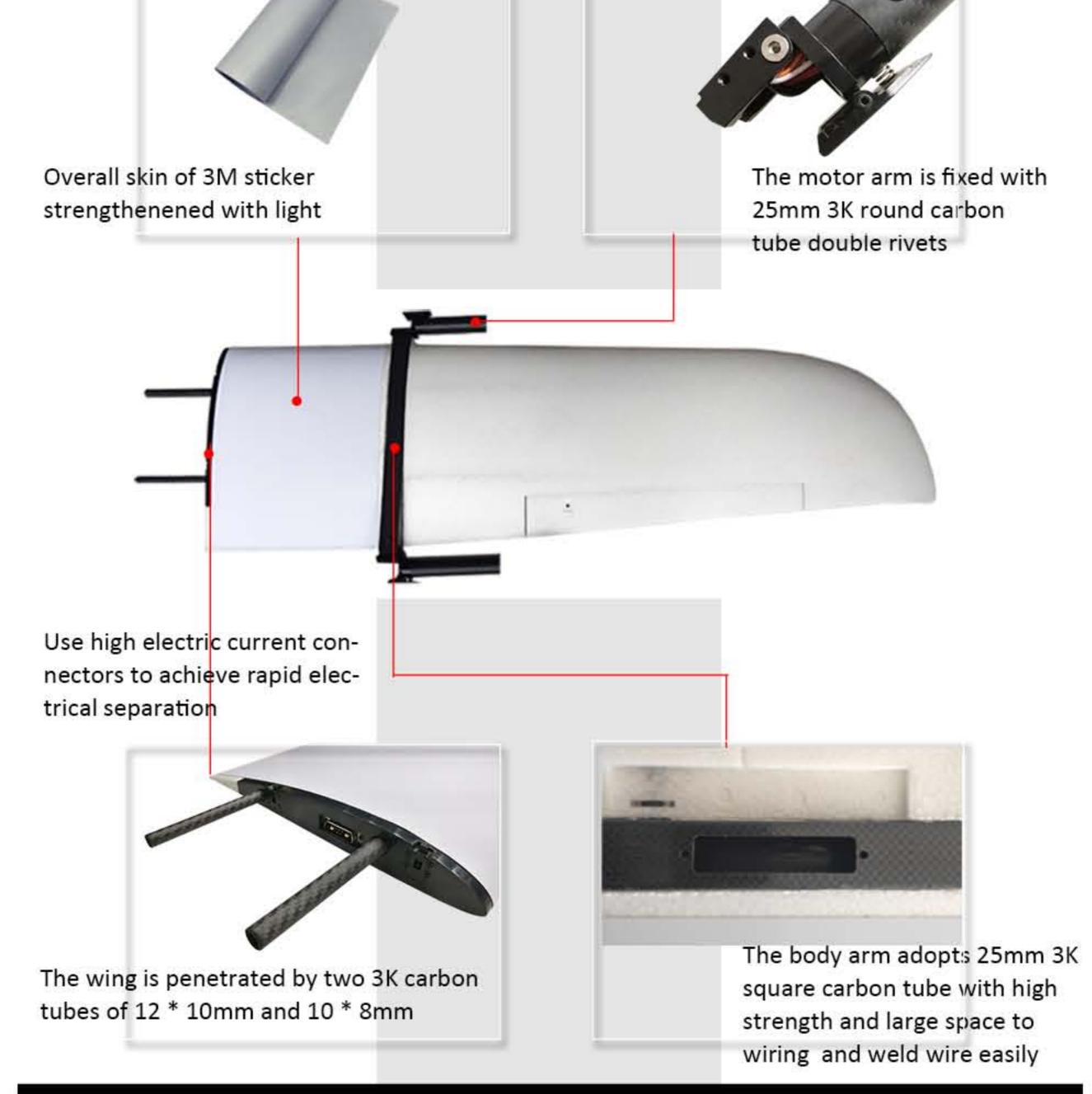
wing 40 / 60A ESC



Aviation aluminum alloy

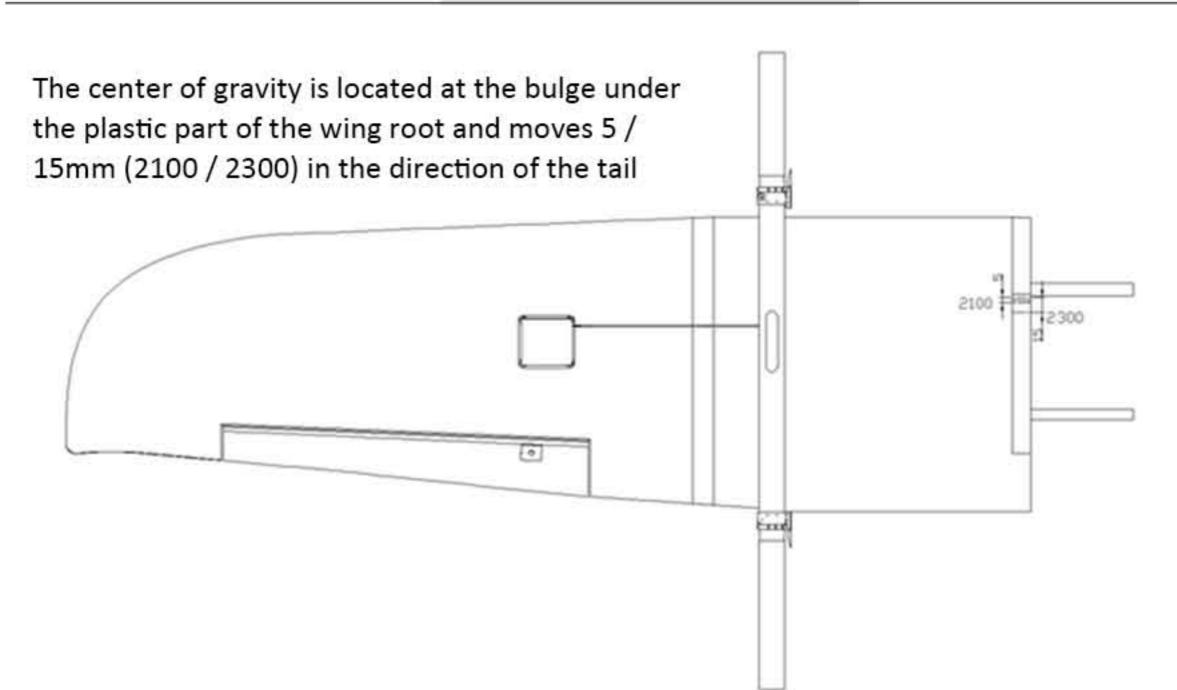
and dustproof

CNC machined, waterproof



High Strength of Multi-axis Structure

Center of Gravity



Large Cabin Space



The battery cabin can accommodate 6S@16000 / 22000 mah batteries

The load cabin can accommodate A7R, A7R2 cameras, or 5 A5100 weight-reduced cameras



The PPK antenna is reserved to facilitate carrying the PPK module to improve the POS positioning accuracy

Quick Disassembly Without Tool



wing enhances the flight stability of the aircraft, making the course more accurate

The newly added vertical rear

self-locking structure, which is automatically locked after insertion. It can be removed with one press, and the mechanical transmission is synchronously separated

The rear wing adopts a





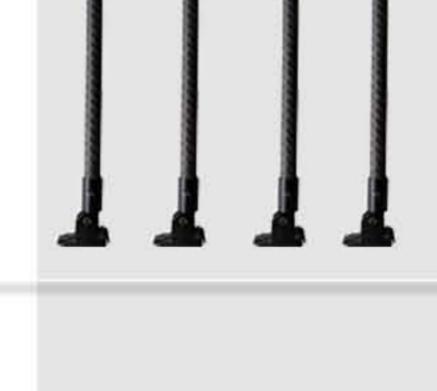


Folding Landing Gear (Optional)

It supports the installa-

gear, which can be self-locked when pulled and retracted immediately with one press

tion of folding landing



from hitting the ground

It can be used with the hanging

bracket to prevent the camera

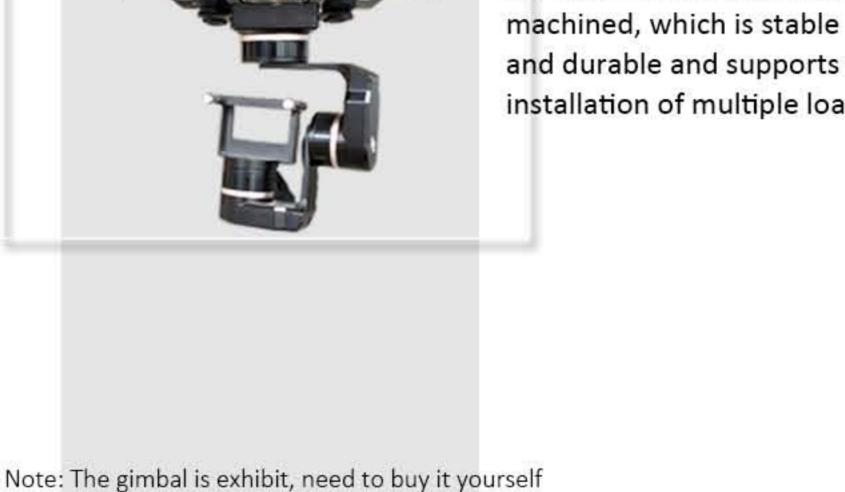
The hanging pillar is made of aviation alumi-

Hanging Bracket (Optional)

chined, which perfectly matches the internal structure of the fuselage

Mission Planer Vtol Survey V1.2

num alloy CNC ma-



and durable and supports the installation of multiple loads

跟随地形

高度曲线

kml测区

kml覆盖

删除

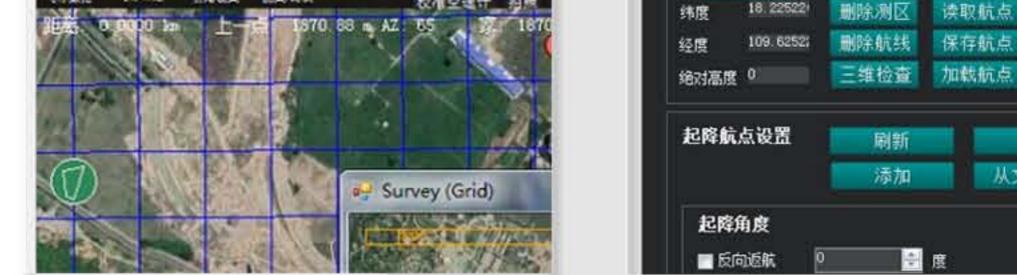
The hanging board is made

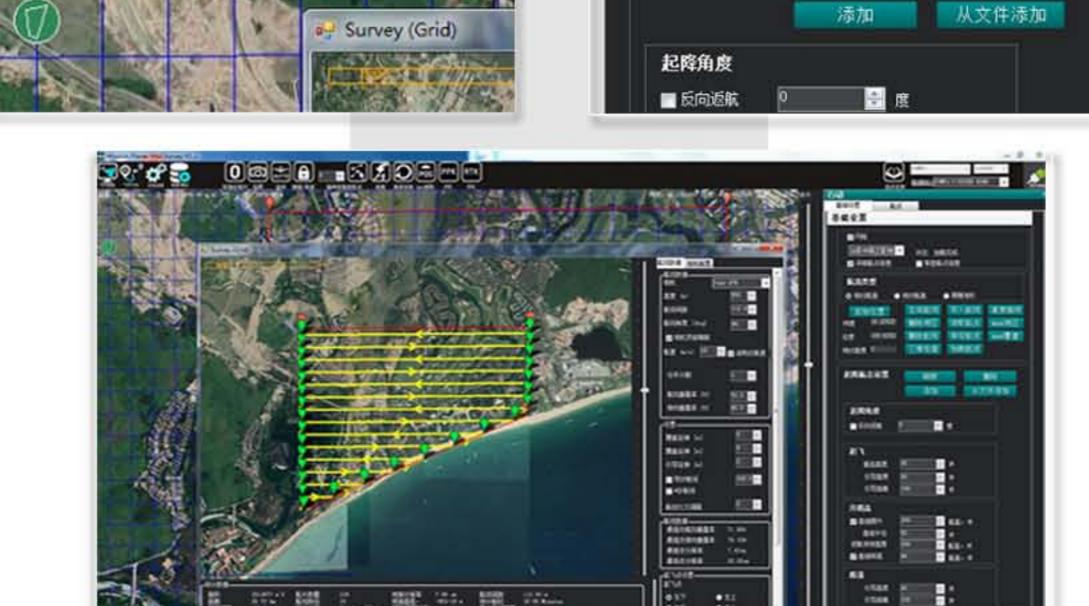
of 1.5mm carbon plate CNC

● 绝对航高 ◎ 相对航高 生成航线 起始位置

航高类型

Deeply Optimized Ground Station (Always Free)



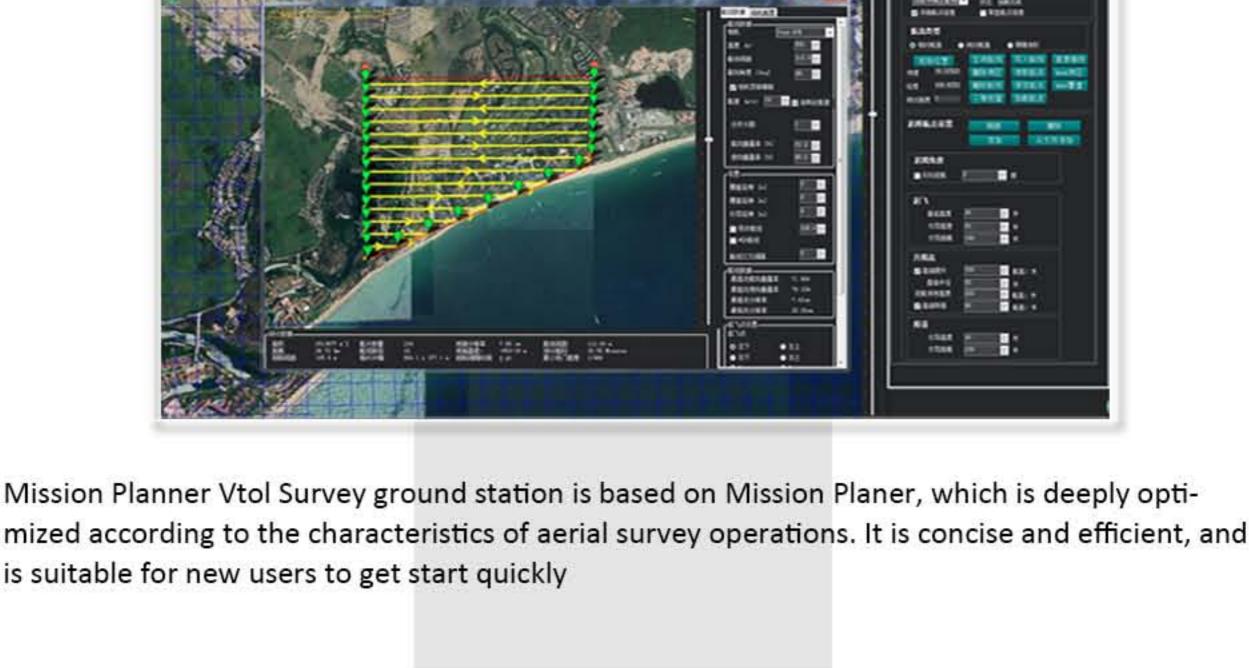


Mission Planner Vtol Survey ground station is based on Mission Planer, which is deeply optimized according to the characteristics of aerial survey operations. It is concise and efficient, and is suitable for new users to get start quickly

Deeply Optimized Ground Station (Always Free)







makeflyeasy航天交流1群 □ DXX人間 PI数据子展示 El & www.makeflyeasy.net/citi.tsp?id=141 中報天 医-公司 編 相告 1 文字 医 30 - 20 -PERSONAL PROPERTY AND PERSONAL PROPERTY AND 1180 @GIS-Building 都可以用的 \$29\$ 20200113_095118.0m4 IIII __ makeflyeasy航测 [dom] GS-Building(19908418) 2020-01-13 18:9901 [29] Hasin Plane Val Survey...

数级用

新成別(972/1673) CD D

品面 (6) 新疆线图-PB()...

Sm (%) names e. O to (deter) the extra-2 [dee-] M %-8022-Fc1298... See Carl and and and 意题《**李**绘市】HEE展(MAL... ○ [◆独の] 英章がありた。 ○ 20 (中性の) 第月製作った...

(15型) Steve(230646569) 2020-01-13 14:22:28

[ISB] Steve(159500000) 2020-01-13 14:54:20 Omakefyeary GROSSTEERING CONTRACTOR

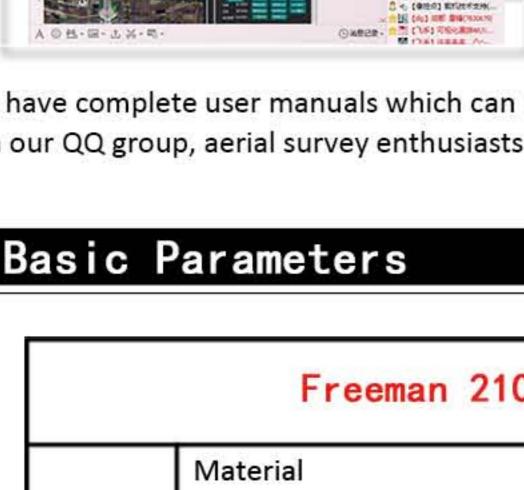
Gmakeflyeavy Gmakeflyeavy 区位结合证数均均用证 7 有数程序

(dg) =skelyesylmakelynaty@qq.comi 2020-01-13 14/2057

@Steve 你做到哪一步了?发个截题看看

[dig] makefyessymmisthessy@nancesi 2000-01-13 1825-18

Technical Support

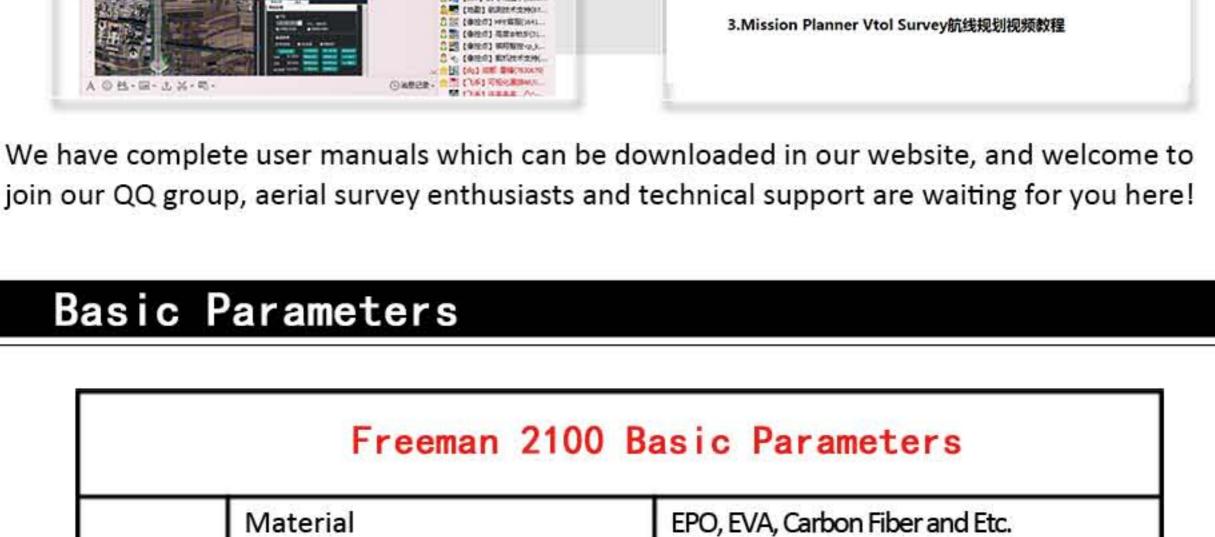


Wing Span

Suggested Load

Load Cabin Size

Tilt



1.pixhawk航测手抛固定翼装机教程

2.pixhawk航测倾转式垂直起降固定翼装机数程

技术支持目录

Fuselage 1070 mm Max take-off Weight 6.5 Kg

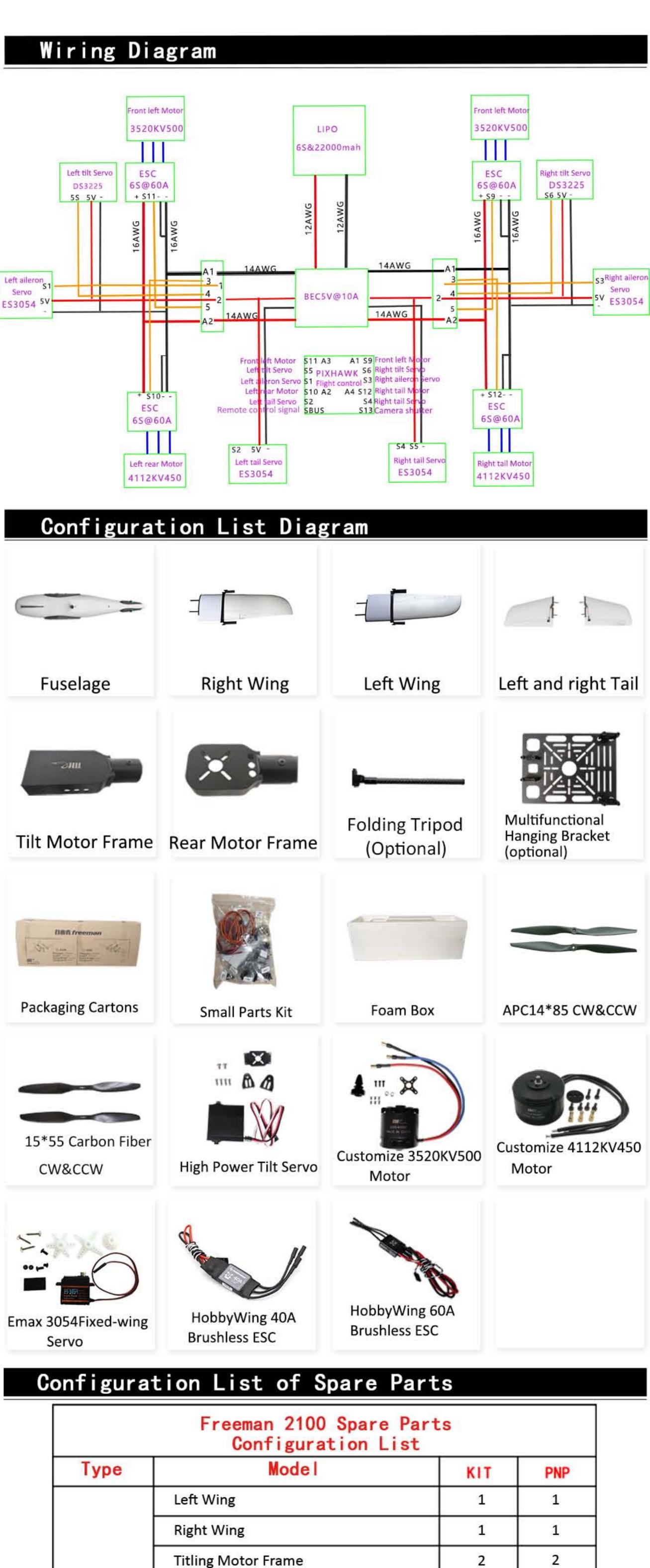
2100 mm

600 g

120*150*120 mm

VT0L Fixed	Longest Flight Range	80 Km (With 600g Load)	
	Practical ceiling height	4000 m (Altitude)	
Wing	Flight Duration	80 Min	
	Suggested Flight Speed	65 Km/h (18 m/s)	
	Wind Resistance	Level 5	
	Take-off and Landing Approach	VTOL	
	Dismounting Way	No Tools Required	
	Dismounting Step	6 Steps	
	Transport case seize	1.23m*0.45m*0.33m	
iring	Diagram		
	ESC 65@60A + S11		





Hobbywing 60A Brushless ESC ES3054 Fixed-Wing Servo

APC 1485 CW&CCW

APC 1555 CW&CCW

Rear Motor Frame

Small Components Packet

Customize 3520 KV500 Motor

Customize 4112S KV450 Motor

Hobbywing 40A Brushless ESC

Customize Vigorous Titling Servo

Foam Packing Box

Fuselage

Left Tail

Right Tail

Carton

Fuselage Parts

Aircraft

Power

F&Q

System

2

1

1

1

1

1

1

1

2

1

1

1

1

1

1

1

2

2

2

2

2

2

4

2

Q:What do I do if I don't know how to adjust the PID of Freeman? A:With network connected, the Mission Planner Vtol Survey ground station can automatically load the parameters of the Freeman 2100/2300 and write the parameters to achieve a stable

Q:What is the difference between Freeman 2100 and Freeman 2300?

aspect ratio, a larger load capacity, and high flight efficiency.

flight effect. Q:Are there installation instructions for Freeman?

A:You can directly go to our official website www.makeflyeasy.com and click "Technical Sup-

unscrewed and fixed directly on the front motor base, which greatly simplifies the installation

A:The main difference is that the 2300 wing is 20cm longer than the 2100 wing. It has a larger

A:By default, the PWM = 1000 rocker arm is vertical to the servo, and the PWM = 2000 rocker arm is horizontal to the servo.

port" to get detailed installation document.

Q:How to installed the tilt servo?

fatigue or mental discomfort

of the servo and is artistic and practical. Disclaimer

Q:What is the relationship between the stroke and position of the tilt servo?

A:The 25-30kg dual-axis tilt servo that are common on the market can be

Makeflyeasy aerial survey series products are sensitive items, and the manufacturer does not bear any responsibility for the consequences of direct or indirect derivative accidental injury caused by any reason, and it is forbidden to use in military Please keep the aircraft out of the reach of children. Make sure that the aircraft is far away from crowds and dangerous objects when flying. Do not carry out any aircraft operation while drinking,

Specifications

Video Capture Resolution	Other	Operator Skill Level	Beginner
Indoor/Outdoor Use	Outdoor	Camera Mount Type	Other
State of Assembly	Unassembled Kit	Controller Mode	MODE1,MODE2
Control Channels	7 Channels	Controller Battery	0
Remote Distance	0	Power Source	Electric
Remote Control	Yes	Package Includes	Original Box
Material	Metal,Plastic,Carbon Fiber,Foam	Features	Auto Return

Recommend Age

Type

18+

Airplane

Origin

Aerial Photography

Mainland China

No