

DIATONE[®] FM 8X8 "BaCue" 机架组装示意图

FM 8X8 "BaCue" Frame Assemble Diagram

轻型影视摄影设备特种航拍搭载平台“BaCue”

厚, 得载物!

“BaCue”专为特种航拍设计,可搭载2公斤内的轻型影视级摄影设备,拍摄能够满足影视制作需要的特种航拍素材;

- ≡ 机臂使用13mm高强度碳纤维素材制作,保证强度,减少长机臂带来的振动;
- ≡ 左右机臂根部紧密贴合,并由M4螺丝固定,在遭受意外撞击时能有效保持机身结构,最大限度地保护设备;
- ≡ 前后机臂设计有抗扭框架结构,保证机身在飞行过程中不会发生因机身扭动导致的震动;
- ≡ 抗扭框架同时也作为相机托板的支撑结构,有效降低搭载相机后的飞行器整体重心;
- ≡ 独特的脚架结构保证飞行器在降落时能够得到有效缓冲,保护昂贵的摄影设备;
- ≡ 同时脚架上设计有图传天线安装位,确保飞行器在飞行时图传信号不被机身遮挡,用户可根据实际情况选择天线安装位置;
- ≡ 机身下方可安装2组6s/1800mAh(最大)锂电池,保证飞行器的留空时间。

Special aerial photography platform for micro filming equipment;

Specially designed for special aerial photography, it can carry micro filming equipment ($\leq 2\text{kg}$) to film video materials that can meet the needs of film and TV production;

- ≡ The arms are made of 13mm high strength carbon fiber to ensure the strength and reduce the vibration caused by arm length;
 - ≡ The roots of arms are closely connected and fixed by M4 screws, which can maintain the frame structure and protect the equipment in case of accidental impact;
 - ≡ The lower motor bases are fixed with 3 embedded nuts for easy installation;
 - ≡ The front and rear arms are designed with anti torsion frame to ensure that the frame will not vibrate during flight;
 - ≡ The anti torsion frame is also used as the supporting structure of the camera bracket, which can effectively reduce the height CG of the aircraft after carrying the camera;
 - ≡ The unique landing gear ensures that the aircraft can be effectively buffered when landing, protecting valuable filming equipment;
 - ≡ The mounting position of the VTX antenna is designed on the landing gear to ensure that the VTX signal will not be blocked by the fuselage during flight. The user can select the antenna installation position according to the actual situation;
- Two sets of 6S / 1800mAh (maximum) Li-Po batteries can be installed under the fuselage.

产品规格

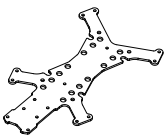
Product Specifications

机架类型: X/H hybrid	对角轴距: 400mm	机臂厚度: 13mm	机架净重: 635g
设备层高: 23mm	支持最大桨叶: 8 inch	飞控孔距: 30.5*30.5mm (M3)	摄像头间距: 19/20mm
推荐电池: 6S (1800 mAh × 2)	推荐电机: 2806-2808 系列电机		
Frame Shape: X/H hybrid	Motor to Motor: 400mm	Arm Thickness: 13mm	Frame Net Weight: 635g
Max Stack Height: 23mm	Supported Prop Size: 8 inch	FC Stack Mount: 30.5*30.5mm(M3)	Camera Spacing: 19/20mm
Recommended Lipo: 6S (1800 mAh × 2)	Recommended Motor Size: 2806-2808 Series motor		

配件清单

Parts List

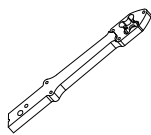
A1



底板 2.5mm
Baseboard 2.5mm

×1

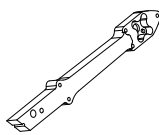
A2



电机臂A 13mm
Arm A (13mm)

×2

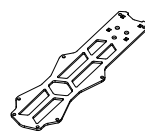
A3



电机臂B 13mm
Arm B (13mm)

×2

A4



上板 2.5mm
Upper Board (2.5mm)

×1

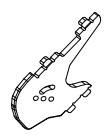
A5



摄像头侧板(右) 3.0mm
Camera Board (Right) 3.0mm

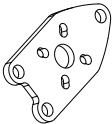
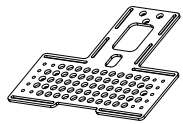



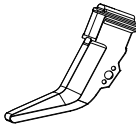
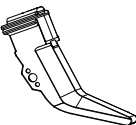
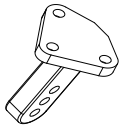
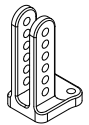
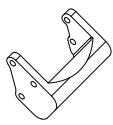
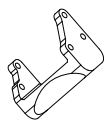








×1

A6

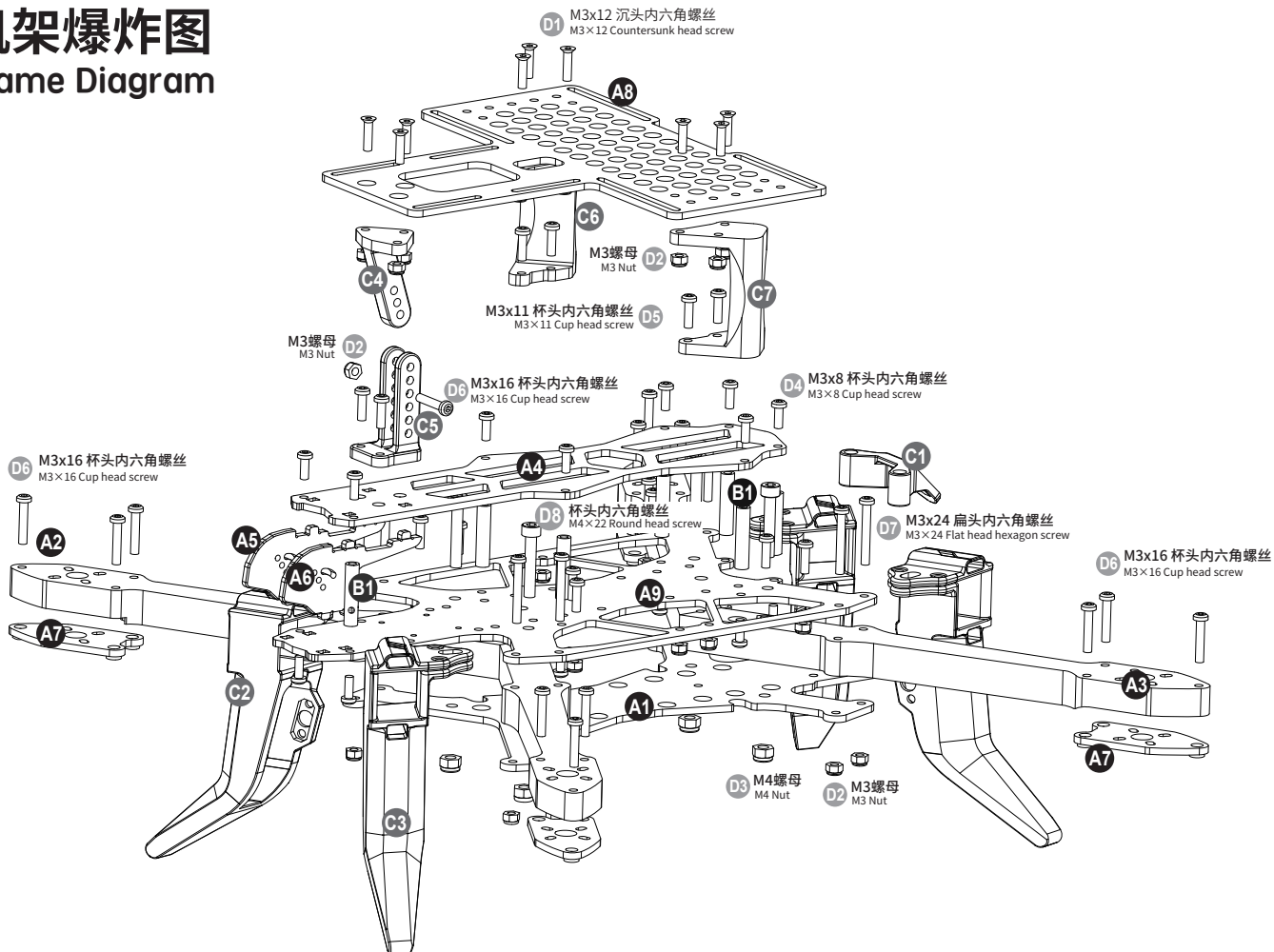


摄像头侧板(左) 3.0mm
Camera Board (Left) 3.0mm

×1

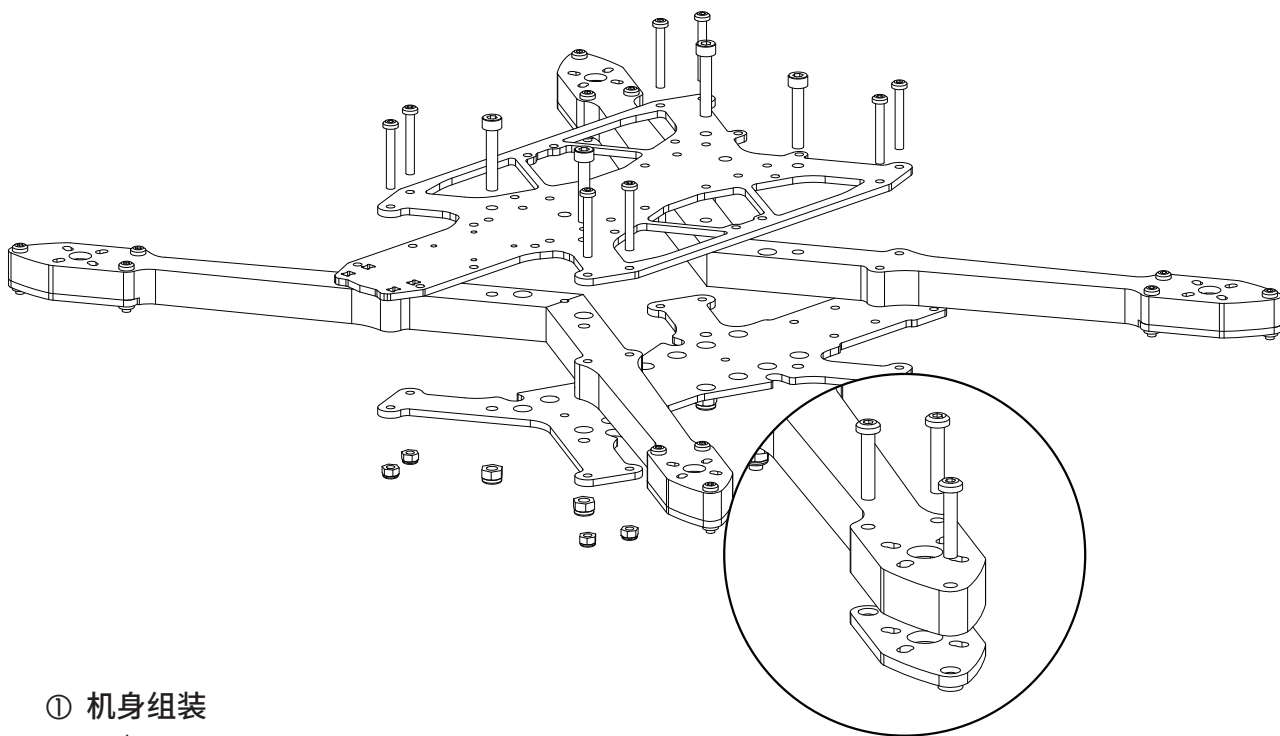
A7  下电机座 2.5mm Lower Motor Mounting Base	A8  相机托板 2.5mm Load Board (2.5mm)	A9  中板 2.5mm Medium Plate (2.5mm)	B1  M3×23 滚花铝柱 M3×23 Aluminum Column	C1  SMA天线座 SMA Connector	C2  起落架(左) Landing Gear (Left)
C3  起落架(右) Landing Gear (Right)	C4  前上相机支撑 Load Support (Up-front)	C5  前下相机支撑 Load support (Low-front)	C6  右后相机支撑 Load support (Right-rear)	C7  左后相机支撑 Load Support (Left-rear)	D1  M3×12 沉头内六角螺丝 M3×12 Countersunk Head Screw
D2  M3螺母 M3 Nut	D3  M4螺母 M4 Nut	D4  M3×8 杯头内六角螺丝 M3×8 Cup Head Screw	D5  M3×11 杯头内六角螺丝 M3×11 Cup Head Screw	D6  M3×16 杯头内六角螺丝 M3×16 Cup Head Screw	D7  M3×24 扁头内六角螺丝 M3×24 Flat Gead Hexagon Screw
D8  M4×22 杯头内六角螺丝 M3×24 Cup Head Screw					

机架爆炸图 Frame Diagram

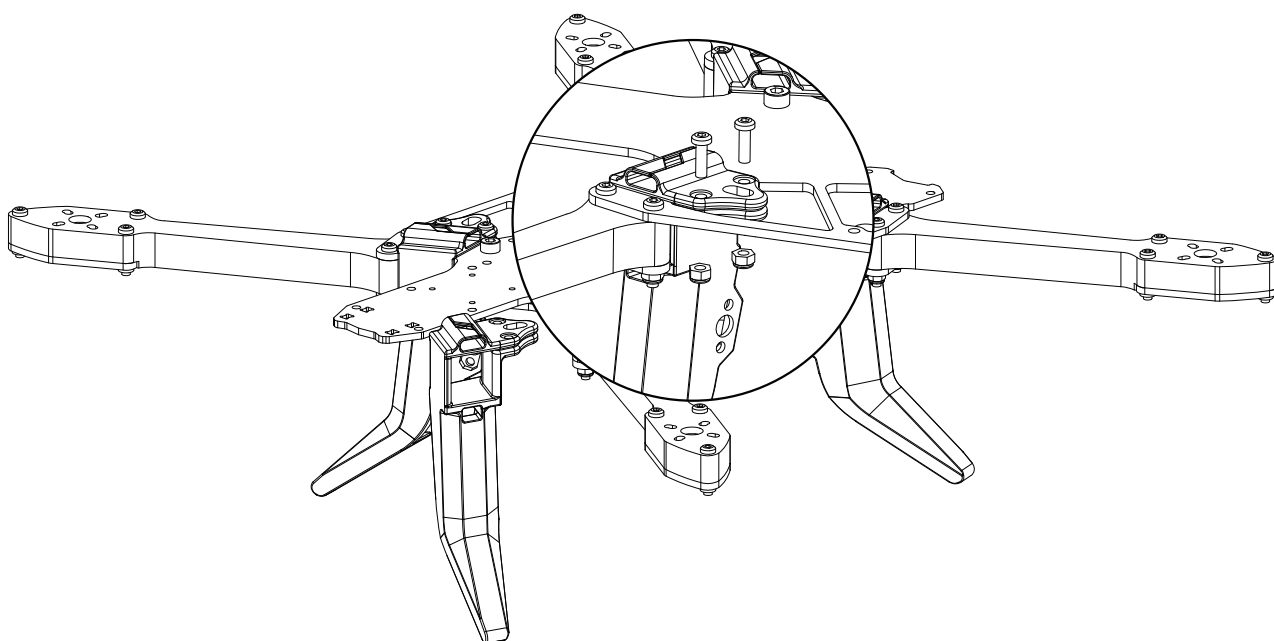


安装步骤

Install Step



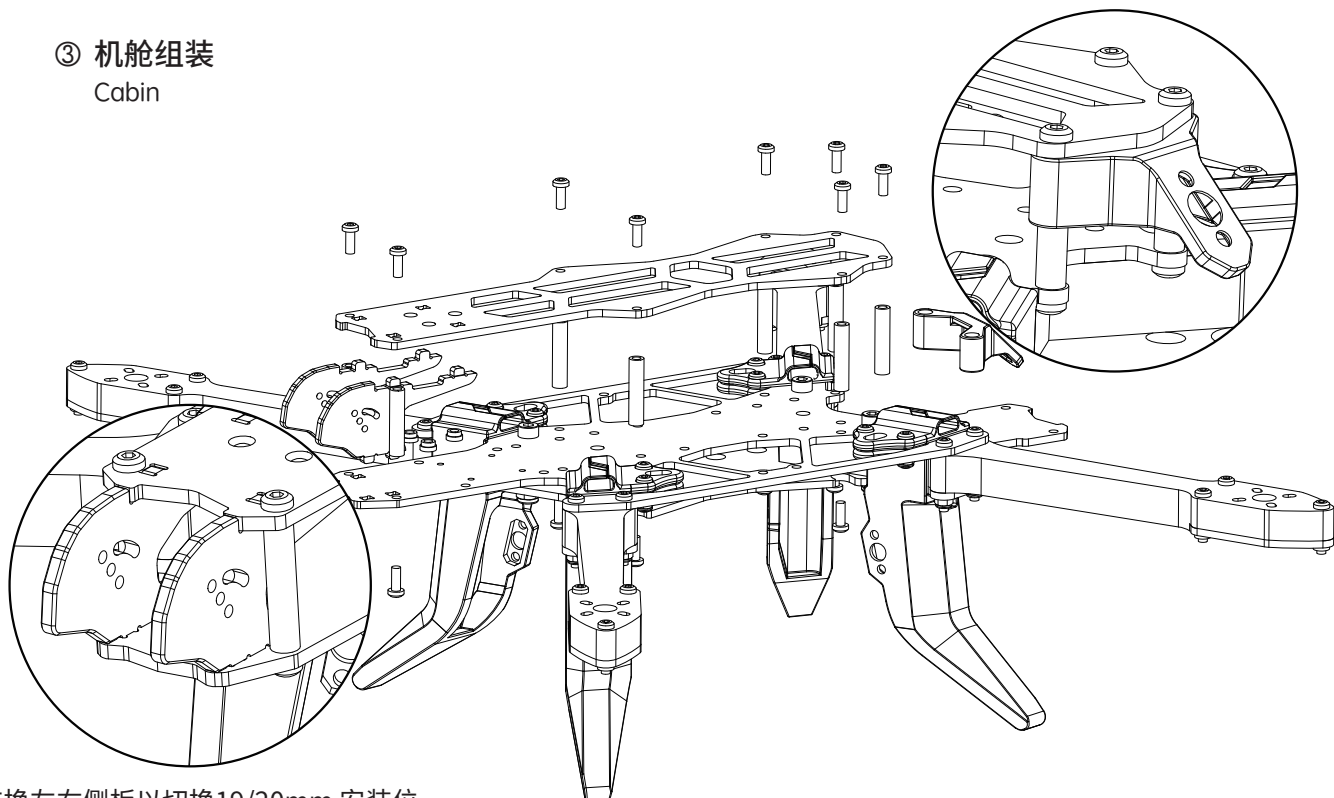
① 机身组装
Body



② 起落架组装
Landing Gear

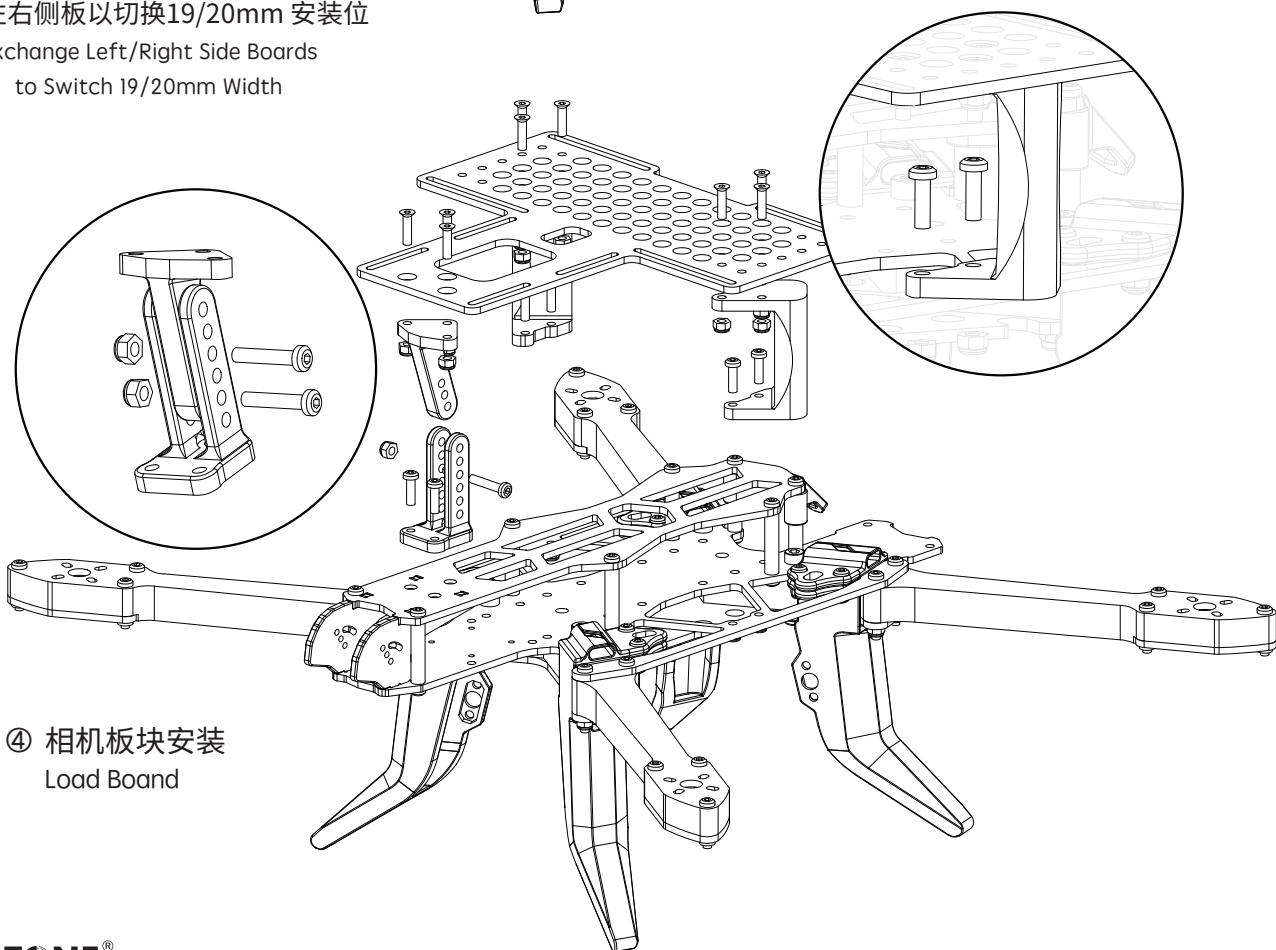
③ 机舱组装

Cabin



交换左右侧板以切换19/20mm 安装位

Exchange Left/Right Side Boards
to Switch 19/20mm Width



④ 相机板块安装

Load Board

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For more information, please refer to the Diatone official website