**LodBird 手拼无人机**

**LodBirdSpliced Unmanned Aerial Vehicle**

1、

木板拼装无人机。模块化设计，富有拼装乐趣。造型多样，小巧灵活，安全，性能卓越，强大的功能延展性。

Wood plate spliced unmanned aerial vehicle. Modularized design and full of fun of splicing. With diversified shapes, small-size and flexible, safe, high-performance and powerful functional scalability.

2、

您就是我们的设计师，个性化定制。

You are our designer and we provide you with personalized customization.

低成本，多玩法：核心控制模块可以控制飞机，还可以控制遥控车、遥控船等。

Low cost and multiple playing methods: the core control module can control the UAV and also can control remotely controlled vehicles and ships and so on.

推荐科学教育或亲子娱乐，让孩子在动手组装的过程中学到无人飞行器的控制原理。

适合年龄：8-12岁

Scientific education or family gathering entertainment will be recommended to enable children to learn control principles of UAV during manual assembly.

Suitable for kids with age: 8-12 years.

3、

这是一台纯手工拼装的木质无人机

This is a wooden UAV spliced manually.

享受重温儿时旧梦的乐趣

It enables you to re-experience fun in the dreams when you are a child.

享受与孩子一起制作小飞行器的温馨时光

Enjoy happy time of making small aircrafts together with your kid

享受近距离接触时尚科技并完成它的过程

Enjoy close experiencing of fashionable technology and process of realizing it.

享受木质与电子的结合与碰撞

Enjoy combination of wood plates with electronic technology

享受自己的智慧变成产品

Enjoy conversion of your own intelligence into products.

4、

机身

Main body

采用优质木材，环保安全，立体拼装组合。无需工具，传统木工工艺与现代工程学的完美结合。

High quality wood is employed with eco-friendliness and safety and 3D splicing combination is provided. It requires no tool and is a perfect combination of traditional carpenter processes and modern engineering science.

飞控

Flight control

自主研发的多通道飞控系统，满足基本飞行功能之余还具备强大的功能拓展性，可加载其它功能模块，例如摄像头，机械臂等。

The multi-channel flight control system autonomously developed is strongly functionally scalable while fulfilling basic flight functions so that other functional modules such as camera, mechanical arm, etc. can be loaded.

5、

遥控器

Remote control

遥控器同样采用全木元素，整体小巧轻盈，支持6通道控制；富余通道可以扩展各种有趣功能。

The remote control is also fully made of wood, has a small size and light weight and supports 6-channel control so that various funny functions can be added through redundant channels.

电机

Motor

本产品含有两对正反转8520电机，动力强劲，持久耐用。

This product includes two pairs of forward and reversibly rotatable8520 motors with strong power which are durable.

6、

桨叶

Paddles

桨超小尺寸双叶桨，安全可靠。

The propeller is ultra small with double paddles which are safe and reliable.

外围360度浆叶护圈，无论初学者还是挑战高难度动作都可安心飞行。

It is equipped with an external 360 DEG paddle protective ring so that both beginners and advanced players can fly the UAV safely.

宁波蓝飞鹂航空科技有限公司是领先的小型飞行器设备和解决方案提供商。我们基于客户需求持续创新，在消费级无人机、飞行控制器、导航系统和商业应用等领域都进行了长期探索和不懈积累。公司专注于小型无人机领域，服务于消费级市场，特别是教育、娱乐市场等，并为企业级客户提供全方位的方案支持和技术服务。我们致力于无人机的应用市场，打造无人机未来世界。

NEPHELE ROBOTICS is a leading small aerial vehicle equipment and solution provider. We implement continuous innovation based on customer needs and complete long-term exploration and endeavored accumulation in the fields of consumer-class UAVs, flight controllers, navigation systems, commercial applications, etc. We are specialized in small UAV industry, serve the consumer grade market especially such as education and recreational markets and so on and provide enterprise customers with all-round solution support and technical services. We are committed to the application market of UAVs and building the future world of UAVs.

**模块系统**

**Module System**

8、

SAGI是为混合翼、固定翼、多旋翼、直升机等行业级无人机提供的专业级导航飞控系统和解决方案

The SAGI is the professional-class navigation and flight control system and solution provided for hybrid-wing, fixed-wing, multi-rotor and helicopter UAVs.

LEO是用于行业级固定翼、多旋翼无人机的高性价比飞控产品

The LEO is a high cost-performance flight control product intended for the industry class fixed-wing and multi-rotor UAVs.

9、

Neptune G2是为军工、科研以及工业级用户打造的惯性导航模块，可以为各种航行器的稳定和控制提供精确、全面的测量信息，如实时的姿态角、四元数、三维角速率、三维位置、三维速度、三维加速度、真空速、校正空速和UTC时间等信息

The Neptune G2 is an inertia navigation module built for military industrial, scientific research and industrial class users. It can provide for various aircrafts accurate and comprehensive measurement information, such as real-time attitude angle, quaternion, 3D angular rate, 3D position, 3D speed, 3D acceleration, true airspeed, calibrated air speed, UTC time, etc.

兼具GNSS INS（卫星 惯性组合导航系统）和AHRS DR（姿态参考系统 航位推算）双导航模式

It can operate in both the GNSS INS (global navigation satellite system inertial navigation system) and AHRS DR (attitude and heading reference system dead reckoning) navigation modes.

Pluto N1是一款专门为极客和机器人发烧友设计的超小型高性价比增强型姿态航向参考系统（E-AHRS）。冥王星N1不仅可以为自平衡车一类的二维UGV设备提供导航解决方案，

还可以为UAV或UUV之类的设备提供三维导航解决方案。

The Pluto N1is an ultra small high cost performance enhanced attitude and heading reference system specially designed for geeks and robot fanciers (E-AHRS). The Pluto N1 not only can provide a navigation solution to 2D UGVs of the self-balancing vehicle type, but also can provide a 3D navigation solution to UAVs or UUVs.

10、

IDS（Information Distribution System）是一款全新的无人机数据整合分发核心平台，内建数据链、wifi、4G通讯网络，可以外接DGPS；适用于场外远距离无人机操作，实现轻量化作业。

The IDS (Information Distribution System) is a brand new UAV data integration and distribution core platform. It is equipped with built-in data links, Wi-Fi, 4G communication network and can be connected externally to DGPS. It is suitable for out-of-range long-distance UAV operation for realizing light-weight operation.

DG1是一款便携型高精度GNSS接收机，由机载Rover和地面Base基准站组成，定位精度达到厘米，支持差分和后差分两种模式，适合高精度航拍作业等工作。

The DG1 is a portable high-accuracy GNSS receiver. It consists of an onboard Rover and a ground Base station. With a cm-level positioning accuracy and support for differential and post-differential modes, it is suitable for high-accuracy aerial photography.

11、

Alcedo无人机

AlcedoUAV

独特的杯型设计，为旅行而生

With unique cup-shaped design, it is developed for travel.

灵巧便携的一体化折叠设计，无须拆卸组装，一个随身的背包就可以轻松容纳，出行随时享受航拍乐趣

With flexible and portable integrated foldable design, it requires no disassembly and assembly so that it can be easily contained in a back bag to enable you to enjoy aerial photographing at any time when you travel outside.

想拍就拍，独创的待机模式，只需3秒即可唤醒起飞。

Photograph wheneveryou want to. With unique standby mode, you only take 3 seconds to awake the UAV to take off.

12、

主要功能：实时图像回传、摄影摄像、室内定位、睡眠待机等

Main functions: real-time image return, photographing, indoor positioning, standby mode, etc.

易用的交互设计，告别繁琐操控，轻松变身航拍达人

The easy-to-use interactive design enables you to say goodbye to complex operations and controls and instead easily turn as an advanced aerial photographer.

智能的电子围栏模式，在APP限定飞行区域，Alcedo将只在此区域内活动。

The intelligent electronic fence mode enables it to fly in the flight area limited by the APP so that Alcedo only flies in this area.

参数

Technical Data

飞行器

Aerial Vehicle

重量（含电池）约900g

Weight (including battery) approximately 900g

尺寸 210\*100mm（收纳）210\*380mm（飞行）

Dimensions 210\*100mm (folded) 210\*380mm (flying)

飞行时间 23min

Flight duration 23min

相机参数

Camera Data

图像传感器 1/2’3CMOS

Image sensor 1/2’3CMOS

照片分辨率 1200万

Photo resolution 1200万

录像分辨率 1080P/120fps

Video recording resolution 1080P/120fps

云台

Holder

俯仰角 0-90度

Angle of pitch 0-90DEG

稳定系统 三轴

Stabilization system three-axial

图像/数据传输

Image/data transmission

最大传输距离 2km

Maximum transmission distance 2km

电池

Battery

类型 智能锂电池

Type intelligent lithium battery

容量 4100Mah

Capacity 4100Mah

室内定位

Indoor positioning

类型 光流/超声波

Type light stream/ultra-sonic wave

速度侦测范围 速度小于3m/s

Speed detection range speed lower than3m/s

高度侦测范围 0.3米-4米

Height sensing range 0.3-4m