

技术参数
Technical Parameter

飞行器参数		Aircraft	
螺旋桨尺寸	直径x螺距: 22.4x8 in ch	Main Rotor Dia.	22.4 x 8 inch
对称电机轴距	1188mm	Diagonal Wheelbase	1188mm
机身尺寸	展开1291×1129×480mm 折叠600 x 480 x 480mm	Overall (L x W x H)	Unfolded 1291×1129×480mm Folded 600 x 480 x 480mm
重量	标准起飞重量10kg(含电池) 最大起飞重量17kg(海平面附近)	Weight	Standard takeoff weight 10kg (with battery) maximum takeoff weight 17kg
电机	160rpm/V	Motor	160rpm/V
电调	持续电流: 60A(散热条件良好)	ESC	Sustained current: 60A
最大上升速度	5m/s		(Good heat dissipation conditions)
最大下降速度	2m/s	Max Ascent Speed	5m/s
最大水平飞行速度	定位模式5-10m/s可调(无风环境)	Max Descent Speed	2m/s
	运动模式10m/s(无风环境)	Max Horizontal Flight Speed	GPS mode: 5~10 m/s adjustable(windless); Cruise mode: 10 m/s(windless);
	姿态模式15m/s(无风环境)		Attitude mode: 15 m/s(windless)
最大可倾斜角度	定位模式30°, 运动模式30°, 姿态模式30°	Max Pitch Angle	GPS mode: 30°; Cruise mode:30°; Attitude mode: 30°
最大旋转角速度	120°/s	Max Rotational Angularvelocity	120°/s
最大可承受风速	8m/s	Max Wind Resistance	8m/s
最大飞行海拔	5000m	Max Flight Altitude	5000m
悬停精度	垂直: ±0.5m(GPS定位正常工作时) 水平: ±0.1m(GPS定位正常工作时)	Hovering Accuracy	Vertical : ±0.5m (when GPS positioning working) Horizontal: ±0.1m (When GPS positioning working)
飞行时间	无负载: 63分钟	Flight Time	No payload: Standard flight time 60 minutes
工作环境温度	0°C 至 +40°C	Working Temperature	10°C to +40°C
卫星定位模块	GPS/GLONASS或BDSS/GLONASS 双模双冗余	GNSS	PS/GLONASS or BDSS/GLONASS dual-mode and dual-sink
云台台系参数数		Gimbal	
尺寸:	136°98*139mm	Input voltage	136°98*139mm
重量:	452g	Size	452g
输入电压:	12V	Weight	12V
稳云定台系参统数	3轴(俯仰、横滚、水平)	Stabilization System	3 axis (Pitch, Roll, Horizontal)
角度控制精度	静态: ±0.008°; 动态: ±0.02°; 防抖: ±0.008°	Controllable Accuracy	Static: ±0.008°; Motion: ±0.02°; Shake-proof: ±0.008°
可控转动范围	俯仰: -110°至 +60°; 水平: ±150°; 横滚: ±10°	Controllable Range	Pitch: -110°~ +60°; Horizontal: ±150°; Roll: ±10°
最大控制转速	俯仰: 30°/s; 水平: 30°/s	Max Controllable Speed	Pitch: 30°/s; Horizontal: 30°/s
相机参数		Camera	
影像传感器:	1/2.3英寸SONY IMX117 CMOS	Mage Sensor	1/2.3inch SONY IMX117 CMOS
镜头像素:	1200万	Lens Pixel	1200 Million
传感器	1/2.3 SONY IMX117 CMOS	Sensor	1/2.3 SONY IMX117 CMOS
ISO范围	100-3200(视频) / 100-1600(照片)	ISO Range	100-3200(Video) / 100-1600(Image)
录制分辨率	4K 30fps	Video Resolution	4K 30fps
拍照分辨率	3840 x 2160	Photo Resolution	3840 x 2160
焦距	6.7-134.5mm	Focal Length	6.7-134.5mm
变焦倍率	30倍光学变焦	Zoom Ratio	30x optical zoom
变倍速度	大约2.0秒	Zoom Speed	About 2.0s
水平视角	59.8°- 3.0°(广角-望远)	Horizontal View	59.8°- 3.0°(Wide Angle-Telescopic)
近摄距	5000mm(广角-望远)	Close-shot Distance	10 - 1500mm(Wide Angle-Telescopic)
视频存储最大码流	64Mbps	Video Storage Maximum	64Mbps
压缩标准	H.264 / H.265	Compress Standard	H.264 / H.265
支持文件存储格式	JPG/MP4	Files Format	JPG/MP4
支持存储卡类型	Micro-SD卡, 最大支持128G, 传输速度为Class10及以上或达到UHS-1评级的Micro SD卡	Support Micro-sd	Micro-SD Card (maximum 128G, transmitting speed is C10 and above or UHS-1)
飞行电池参数		Aircraft Battery	
电压	45.6V(22.8V*2)	Voltage	45.6V(22.8V*2)
容量	25000mAh	Capacity	25000mAh
放电倍率	10C	Discharge rate	10C
电池类型	LiHV 12S	Battery type	LiHV 12S
遥控器参数		Remote Controller	
工作频率	2.4GHz&5.8GHz双频	Working frequency	2.4ghz & 5.8ghz dual frequency
内存	RAM: 4G; ROM: 16G	Internal storage	Ram: 4g; rom: 16g
系统	Android	System	Android system
信号有效距离	约10千米(开阔无遮挡, 无电磁干扰)	Signal effective distance	About 10km(open,no electromagnetic interference)
视频输出接口	HDMI	Video output interface	HDMI
内置电池	7.4V 9000mAh LiPo 2S	Built-in battery	7.4v 9000mah lipo 2s
存储卡类型	最大支持64GB容量的microSD卡	Memory card type	Maximum support for 64gb microsd card
显示屏	7.86英寸屏幕,分辨率2048*1536, 亮度2000cd/m²	Display device	7.86inch screen, Resalution:2048*1536, Brightness 2000cd/m²
推荐工作环境温度:	-10°C至40°C	Workingenvironmenttemperature	From -10 °C to 40 °C,
充电环境温度:	5°C至40°C	Chargingenvironmenttemperature	From 5 °C to 40 °C



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冗余安全设计 | 便携折叠机身 | 63分钟续航 | 10KM图传 | IP43 防护

Flight Safety | Foldable Design | 63-min Flight Duration | 10km Video Transmission | IP 43



4K高清航摄相机
4K High Definition Aerial Camera
高清的图像经过后期处理，可应用在地图、建筑测量领域。
HD images could be used in mapping and architecture sectors.



高亮显示屏
High-brightness Display Screen
屏幕最高亮度达2000 cd/m²，约为普通移动设备的两倍，在强光直射下仍清晰可见，作业更加安全可靠。
Display screen with maximum brightness of 2000 cd/m², It's about twice as safe and reliable as ordinary mobile devices, and it's still visible in direct sunlight.

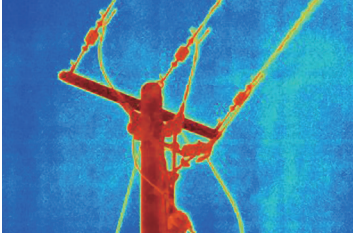


30倍光学变焦相机
超远距离监控，细节一览无遗。电力通信设施巡检、交通巡逻，桥梁检测等任务变得更加安全和高效。
30X Optical Zoom Lens
The ultra long range inspection enables you to clearly observe the details of the object. Besides, the long range monitoring makes powerline and communication inspection, traffic patrol, bridge inspection and so forth much safer and more efficient.

红外热成像相机 (定制版)



红外线热成像相机有穿透能力强、探测距离远、可识别隐藏目标、温度检测及昼夜可视等优势。基于图像与温度算法，在不利气候环境下（如稀疏的树叶、烟、雾及伪装等）识别目标。
Thermal Infrared Camera(customized)
Based on image and temperature algorithm, the camera enables you to identify targets in bad weather conditions.



微光夜视相机 (定制版)



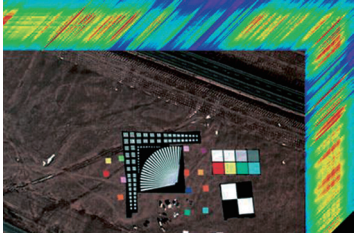
适用于夜间光线微弱的环境，获得高清晰度、低噪点的图像，广泛应用在军警安防领域。
Low-light Night-vision Camera(customized)
Suitable for low-light environments, it helps you to receive high definition, low noise images, it is widely used in military and security sectors.



多光谱相机 (定制版)



广泛应用在农业、林业、种植业等等，通过后期技术合成处理，为农业灾害评估提供准确信息。
Multi-spectral Camera(customized)
Widely used in agriculture, forestry, and crop production sectors. Precise information could be provided to disaster evaluation in these sectors.



便携折叠设计 Foldable Design For Great Portability

创新桶式折叠设计，机臂、脚架均可折叠，轻松携带。组装简单方便，迅速启动作业。

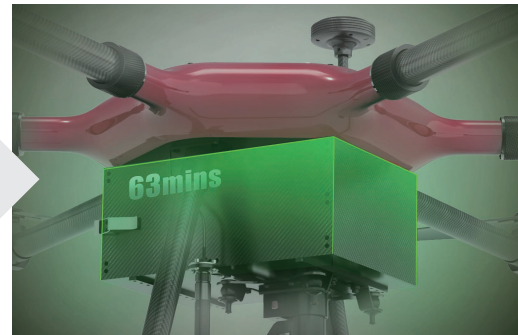
The innovative design makes the aircraft arms and landing gear all foldable and portable. Easy assembly generates quick operation.



耐久续航
Great Fight Duration

电池系统由两块22000mah 电池组成，最大连续飞行时间长达63分钟（空载状态，海平面无风状态下悬停飞行）。

The battery system is comprised of three 22000mAh batteries, providing a maximum of 63-min flight duration(empty payload, zero wind and hovering conditions).



行业应用专用软件
Industrial Application Software

针对行业应用的特殊需求，我们开发V1100 PRO专用APP简化操作，轻松作业。

To meet special requirements in many industrial applications, we developed an APP for V1100 PRO that greatly simplifies the flight operations.



高清图传
HD Image Transmission

V1100 PRO使用先进的2.4G和5.8G双频远距离传输系统，最大图传距离可达10KM。波长长，抗干扰能力强，传输稳定可靠。

V1100 PRO integrates the advanced 2.4G and 5.8G dual frequency long range video transmission system, which makes the maximum video transmission range as long as 10KM. Long wavelength, strong anti-interference ability, stable and reliable transmission.



大载重，三防性能
Large Load, Three Safeguard

具备强大的载荷扩展功能，通过搭载高度集成的设备在面对不同的应用场景时仍能游刃有余。机身采用封闭式设计，拥用IP43三防能力具备工业级防水、防尘防腐蚀能力。

With powerful load expansion function, it can be used in a wide range of applications with highly integrated devices. The fuselage adopts closed design, IP43 three-proof capability, and has industrial grade water proof dust proof and anti-corrosion ability.



行业应用可搭载平台 Payload-carrying Platform For Industrial Applications

热成像相机 (定制版)
Thermal Imaging Camera (customized)



适用电力、搜救
高灵敏度热成像相机，突破光线和空间的局限，可随时随地捕捉清晰、精准的热图像。让你能快速搜索大面积区域，或近距离检测难以攀爬的设备。工作变得更加高效、轻松和安全。
Suitable for power, search and rescue sectors
Highly sensitive thermal imaging camera, designed for breaking the light and space limits, capable of capturing clear and precise thermal images wherever you are, anytime. It allows you to quickly search a large area or hard-to reach devices, making the work more efficient, easier and safer.



微光夜视相机 (定制版)
Low-light Night-vision Camera (customized)



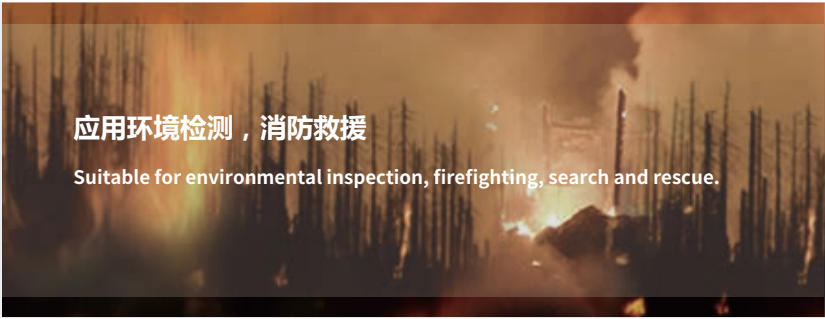
应用警用侦察、夜晚救援
在低照度环境下，拍摄清晰物体画面，适合夜晚微光环境拍摄作业。
Suitable for police reconnaissance, nighttime rescue
In low-light environments, it is able to shoot clear images of objects, suitable for nighttime low-light missions.



多功能气体分析仪 (定制版)
Multi-purpose Gas Analyzer (customized)



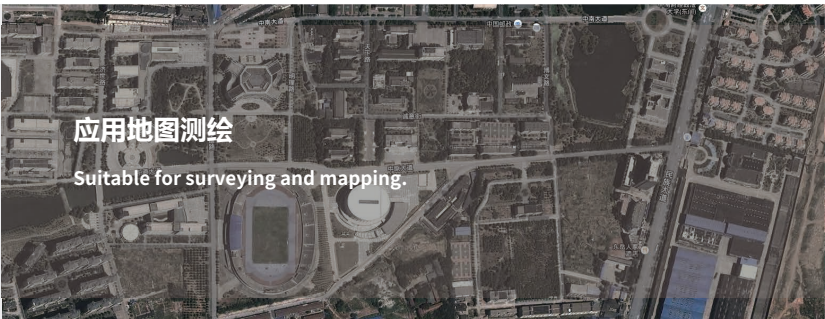
应用环境检测，消防救援
Suitable for environmental inspection, firefighting, search and rescue.



倾斜相机 (定制版)
Tilt Camera (customized)



应用地图测绘
Suitable for surveying and mapping.



探照灯，喊话器 (定制版)
Searchlight, Loudspeaker (customized)



应用消防救援，警用侦察
Suitable for firefighting, search and rescue, police reconnaissance.

