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广州市华科尔科技股份有限公司

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01. 公司介绍 \ COMPANY PROFILE

广州市华科尔科技股份有限公司

是一家专业从事无人机研发、生产、销售和技术服务于一体的高新技术企业;产品广泛应用于警用安防、 消防救援、农业植保、巡检侦察、遥感测绘、电力巡检、海事救援、智能伴飞、无人值守等多个领域。

公司成立于2001年,座落于粤港澳大湾区—广州市南沙经济开发区,占地面积3万平方米,在职科研/工程/生产人员300余人。华科尔无人机完全自主研发,先后通过了ISO9001、ISO14001、ISO45001等国际质量、环境、职业安全等体系认证;经过二十多年的技术积累和沉淀,华科尔已成为全球领先的智能无人机系统解决方案提供商,奠定了全球智能飞行器行业领导地位。公司已获得海内外发明专利、实用新型专利和软件著作权等300余项。近年来连续被行业组织评选为"中国无人机十大品牌"、"中国无人机十大创新品牌"、"全球无人机五十强";先后获得"广东省智能化航拍无人机工程技术研究中心"、"广东省机器人骨干企业"、"广东省自主创新示范企业"、"市级企业技术中心"、"市级研发机构"等荣誉称号,并连续通过了十多项省、市、区三级政府的科研项目立项和研究成果验收。

华科尔无人机畅销全国,并在北美、欧洲及中东等30多个国家政企单位得到了广泛应用。华科尔人将继续 秉承"专业、专注"的工匠精神,不断创新超越,服务全球,智造无限可能!

Guangzhou Walkera Technology Co., Ltd

Is a company specializing in UAV R&D, A high-tech enterprise integrating production, sales and technical services; products are widely used in police security, fire rescue, agricultural plant protection, inspection and reconnaissance, remote sensing mapping, power inspection, maritime rescue, and intelligent swarm flight, unattended and other fields.

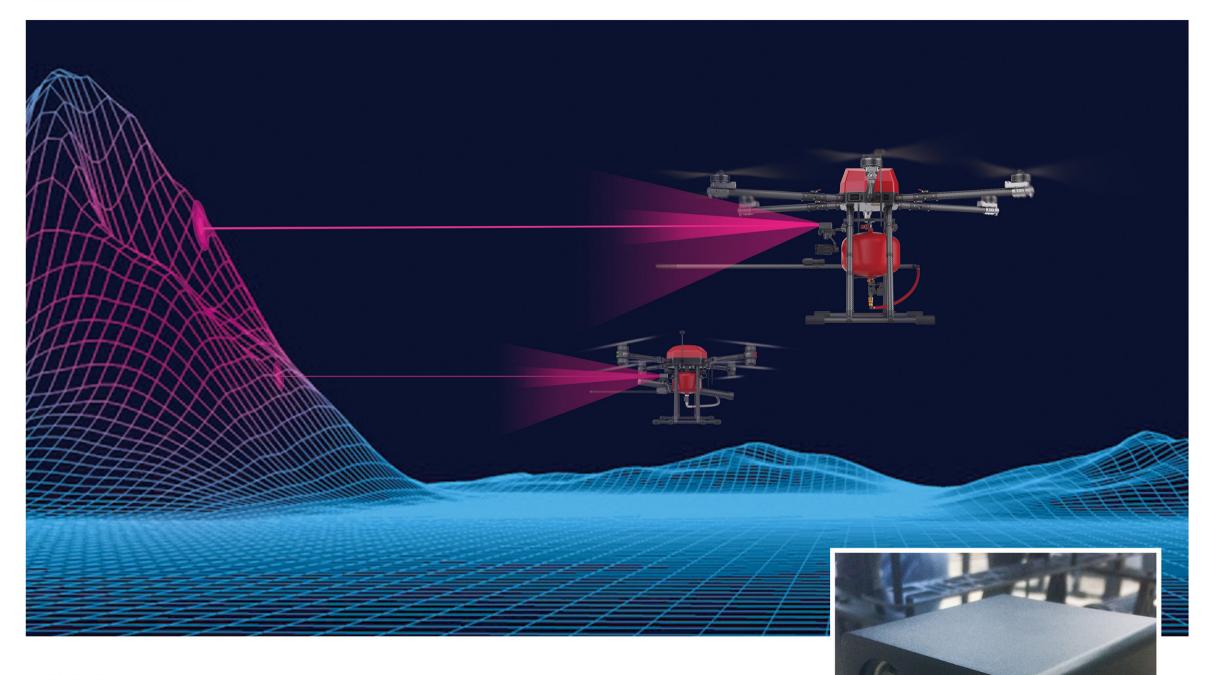
The company was established in 2001 and is located in the Guangdong-Hong Kong-Macao Greater Bay Area-Guangzhou Nansha Economic Development Zone. It covers an area of 30,000 square meters. Walkera UAV is completely independently owned and has passed ISO9001, ISO14001, ISO45001 and other international quality, environment, occupational safety and other system certifications; after more than 20 years of technology accumulation and precipitation, Walkera has become the world's leading intelligent unmanned provider of aircraft system. The company has obtained more than 300 invention patents, utility model patents and software copyrights at home and abroad. Walkera drones are sold worldwide and have been widely used in government and enterprise units in more than 30 countries including North America, Europe and the Middle East. Walkera people will continue to uphold the craftsman spirit of "professionalism and focus", continue to innovate and surpass, serve the world, and intelligently create infinite possibilities!







04. 功能介绍\FUNCTIONS



激光雷达 / LIDAR

采用激光雷达技术,通过高精度传感器打造的智能避障系统,激光测距可达100米,能够识别前方向3-15米(可调)的障碍物并进行刹车减速,防止因误操作带来的风险,保障你的飞行安全。避障和测距双重保护,让你的飞行更加安全,加大救援的概率。

Intelligent obstacle avoidance system made by high-precision sensors, the laser ranging can reach up to 100meters, the obstacle can be identified from 3 to 15meters (adjustable)in the front direction and the brake is decelerated to prevent riskscaused by wrong operation and guarantee your flight safety. Both obstacle avoidance and ranging protection make your flight safer and increase the probability of rescue.

04. 功能介绍 \ FUNCTIONS



带有夜视瞄准系统 / With night vision targeting system

ZHUN拥有超强负载与抗震颤设计,配合高倍镜瞄准镜加带有夜视功能的高帧率相机,发射精度高,能够在复杂火场气象环境下远程精准发射灭火弹。通过图传实时在地面控制端显示瞄准目标点,在APP客户端有十字瞄准星,大大提高射击精准性,提高救援效率。

ZHUN is equipped with a high-power load and anti-tremor design, a high-power aiming mirror and a high-frame camera with night vision function. With high transmission accuracy, ZHUN is able to fire extin-guishing projectiles remotely and accurately in a complex fire weather environment. The target point is displayed on the ground control end in real time through the graph transmission, and the cross target star is available on the APP client, which greatly improves the accuracy of shooting and improves the rescue efficiency.

机载火箭发射灭火弹和灭火罐 / Airbo

Airborne rocket fire extinguishing bombs and fire suppression bottle

ZHUN双重灭火无人机机身下方搭载一支火箭发射灭火弹和灭火罐,灭火器飞行动力为火箭发射动机,有效发射距离40米,灭火罐喷粉管展开长度4.33米(最短可缩到1.5米);灭火弹和灭火器采用专用灭火剂装填,高楼层场景下可对火源点进行有效打击,为消防救援提供高空火力压制。

Under the fuselage of the dual fire-fighting drone ZHUN is equipped with a rocket launcher and fire extinguisher. The fire extinguisher is powered by the rocket launcher, The effective firing distance is 40 meters, and the expansion length of powder spraying pipe of extinguishing tank is 4.33 meters (the minimum can be reduced to 1.5 meters); Fire extinguishers and extinguishers are loaded with special extinguishing agent, which can effectively strike the fire source in the scene of high floors, providing high-altitude fire suppression for fire rescue.









智能化安全保护系统 / Intelligent security protection system

ZHUN在飞行中,如偶发特殊情况,任意电机故障而导致动力不平衡,GPS模式下,飞行器可自动修正,保持飞行姿态,通过控制遥控器油门慢慢降低,实现安全降落,飞行器仍然处于可控状态,有效的提高可靠性。

In the flight, for example, the power imbalance is caused by occasional special circumstances and arbitrary motor failure. In the GPS mode, the aircraft can be automatically corrected and maintain the flight attitude. By controlling the throttle of the remote control, the safe landing can be achieved.



04. 功能介绍 \ FUNCTIONS

ZHUN消防无人机专用带屏遥控器 / ZHUN firefighting drone special remote controller with screen

针对消防救援的需求,我们专为ZHUN消防无人机而设计带屏遥控器,带屏遥控器集便携与高亮显示一身,在强光直射下也能呈现清晰图像,结合内置APP,让你摆脱使用普通移动设备时的繁杂信息的干扰,更加轻松高效作业。

Aiming at the special needs of Firefighting application, we designed a remote controller with screen for ZHUN Firefighting Drone, The remote controller with screen is portable and highlighted. It can also display clear images in direct sunlight, with built-in APP, you can get rid of the interference of complicated information when using ordinary mobile devices, and work more easily and efficiently.





高亮显示屏 / High-brightness display screen

遥控器集成 7.86 英寸2K高亮显示屏,屏幕最高亮度 达 $2000\,\mathrm{cd/m^2}$,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。

ZHUN Firefighting Drone with screen remote controller integrates 7.86 inch 2K high-brightness 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.



高清图传 / HD image transmission

ZHUN消防无人机带屏遥控器配备使用先进的2.4G和5.8G双频远距离传输系统,波长长,抗干扰能力强,有效控制距离可达6KM,传输稳定可靠。

ZHUN Firefighting Drone with screen remote control equipped integrates the advanced 2.4G and 5.8G dual frequency long range video transmission system, long wavelength, strong anti-interference ability, effective control distance up to 6KM, stable and reliable transmission.

ZHUN消防无人机带屏遥控器定制化系统

Customization system of ZHUN remote controller with screen

定制化Android系统搭配深度优化的WKDrone-ZHUN APP,摆脱使用普通移动设备时的操作卡顿和繁杂信息的干扰,让作业更高效、安全;同时,系统还支持安装其它安卓APP,从而实现更多影像编辑和分享功能。

Customized Android System Collocation Depth Optimized WKDrone-ZHUN APP, Get rid of the interference of operation carton and complicated information when using ordinary mobile devices, and make the operation more efficient and safe; At the same time, the system also supports the installation of other Android Apps to achieve more image editing and sharing functions.



ZHUN消防无人机带屏遥控器定制APP / Customized APP for ZHUN remote controller with screen

针对消防救援的特殊需求,我们专为ZHUN消防无人机而设计的APP,简化操作,轻松作业。可监视化平台,方便操作者统计和监管,实时查看作业的进度、规划作业航线等功能,实时显示作业参数及飞行参数等。

To meet the special needs of Firefighting applications, we designed an APP specifically for ZHUN Firefighting Drone, which simplifies the operation and makes it easy to operate. The monitoring platform can make it convenient for operators to make statistics and supervision, check the progress of plant in real time, operation area, and plan operation routes, etc., and display operation parameters and flight parameters in real time.



05. 可挂载物件\MOUNTED MATERIALS



3KG\5KG灭火罐(WK-1500)

干粉净重3kg\5kg 总重6.2kg\9.5kg 充装压力1.2MPa, 电控快开方式

喷粉管:碳纤维材质;

长度:展开4.33m (最短可缩到1.5m)

3KG Fire Extinguishing Tank

The n.w.: 3kg \5kg Total w.: 6.2 kg, 9.5kg of dry powder respectively. Filling pressure 1.2 MPa Electronically controlled fast opening mode, powder spray pipe: carbon fiber material; Length: Expansion 4.33M (Minimum can be reduced to 1.5m)



喷水箱

高压水泵电压: 48V 高压水泵重量: 2.5 kg 高压水泵压力: 开:0.25MPa 关:1.5MPa 水箱: 10升(WK-1500)/17升(WK-1800)

喷水管材质:碳纤维

伸缩长度:展开长度3m(最短可缩到1.5m)

Water Tank

High pressure pump voltage: 48V Weight of high pressure water pump: 2.5kg water pump pressure: on :0.25MPa off:1.5MPa Water tank: 10L(WK-1500)/17L(WK-1800) Material: carbon fiber Expansion length: expansion length 3m (minimum up to 1.5m)



12KG灭火罐(WK-1800)

干粉净重12kg,总重19kg 充装压力1.2MPa,电控快开方式

喷粉管:碳纤维材质;

长度: 展开4.33m (最短可缩到1.5m)

12KG Fire Extinguishing Tank

The n.w.: 12kg and total w.: 19kg of dry powder respectively. Filling pressure 1.2 MPa Electronically controlled fast opening mode. powder spray pipe: carbon fiber material; Length: Expansion 4.33M (Minimum can be reduced to 1.5m)



水带消防喷水

可接消防栓、消防车高压供水

喷水管材质: 碳纤维

伸缩长度:展开长度3m(最短可缩到1.5m)

Fire Horse

It can work with fire hydrant and firefighting truck Material: carbon fiber Expansion length: expansion length 3m (minimum up to 1.5m)



垂直抛投干粉灭火弹

ABC超细干粉;4枚干粉弹,可依次抛投,每枚灭火面积达6㎡ 内置1080P 高清抛投瞄准镜头

适用: 大型场所、工厂、森林、交通灭火

Direct Throwing Dry Powder Fire Extinguishing Bomb

ABC Ultrafine Powder; 4 pcs Dry Powder Bombs which can be thrown in turn, each pc Fire extinguishing area up to 6m2, built-in 1080P high-definition throwing and aiming lens Suitable for fire extinguishing in large places, factories, forests and traffic



补光相机

30倍光学变焦、1080P高清相机 总像素: 216万

适用: 夜间监控侦察, 安全巡逻

Fill-up Camera

30X optical zoom, 1080P HD camera Total pixels: 2.16 million Suitable to: Night surveillance and reconnaissance, security patrol



双光相机

可见光: 30倍光学变焦、1080P高清相机 红外热成像: 25mm 640x480分辩率 适用: 夜间监控侦察,消防、安全巡逻

Dual-lens Camera

30X optical zoom, 1080P HD camera Infrared thermal imaging: 25mm 640x480 resolution Suitable to: Night surveillance and reconnaissance, fire, security patrol



高空发射器灭火弹

CM60 型机载式发射器 外管口径: Φ67mm 灭火弹单发灭火能力: 9.2 m3 (全淹没) 最大射程: ≤50m 种类: ABC超细干粉;

High Altitude Launcher Fire Extinguishing

CM60 Airborne Launcher Outer tube caliber: 67mm Single fire extinguishing capability of fire extinguisher: 9.2 m3 (full submergence) Maximum Range: ≤50m Type: ABC Ultrafine Dry Powder



4K 30倍光学变焦

1200万高清 4K画质,30倍变焦 焦距: 6.7-134.5mm 适用:远距离追踪,监控侦察,

安全巡逻

4K 30X Optical Zoom Camera

12 million HD 4K 30X Optical Zoom Focal length: 6.7-134.5mm Suitable to: Long-range tracking, surveillance and reconnaissance, security patrol

05.可挂载物件\MOUNTED MATERIALS



救生圈抛投

内置1080P 高清抛投瞄准镜头 辅助搜寻精准抛投

适用:海上应急救援抛投

Lifebuoy Throwing

Built-in 1080P High Definition throwing aiming lens assisted search precision throwing Suitable to: marine emergency rescue throwing



倾斜相机

APS-C画幅的(单个)2400万像素 12000万总像素 可1:500测图 适用: 采集城市三维影像、地物测绘

Tilt camera

APS-C picture (single) 24 million pixels 120 million total pixels for 1:500 mapping Suitable for: acquisition of three-dimensional urban images, topographic surveying and mapping



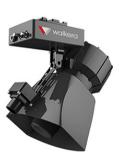
条幅宣传

遥控展开、投放 条幅规格: 80x30cm

适用:消防演习、法制及广告宣传

Banner Promotion

Remote control deployment and launch Banner Specification: 80x30cm Suitable to: fire drills, legal system and advertising



空中喊话器

音量达125分贝,传音距离可达1.2公里 100W功率,一键录音

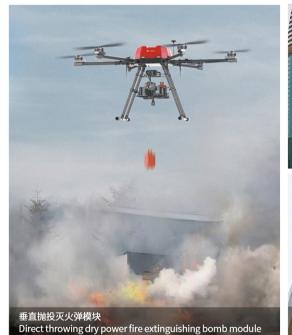
适用:现场指挥、人群疏散、执法喊话

Air Caller

The volume is 125 decibels and the invoice transmission distance is 1.2 kilometers. 100W power, one-key recording Suitable to: on-site command, crowd evacuation, law enforcement shouting

06. 应用场景 \ APPLICATIONS











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07. WK-1800产品介绍\PRODUCT DETAILS

六轴大载重 6-Axis large load

六大旋翼电机提升飞行动力,搭载灭火弹及其它救援设备,最大 起飞重量: 56.10公斤, 最大负载重量: 20公斤。

6-Axis motors enhance flight power, equipped with fire extinguishing bombs and other rescue equipment, Maximum take off weight: 56.10kg and the maximum load weight is 20 kg.

30倍光学变焦相机 30 X optical zoom camera

标配挂载30倍光学变焦相机,超远距离监控,可观察火场及灾情的 一切细节情况,能有效帮助制定救援方案。

Equipped with 30 X optical zoom camera, remote monitoring, It can observe the fire site and all details of the disaster, and can effectively help developing the rescue plan.



智能电池,长航时 Intelligent battery, long-endurance

内置智能电源管理系统,标配电池单次飞行续航时长50分钟, APP内置低电压警报与电量管理,确保无人机稳定飞行。

Built-in intelligent power management system, standard battery with a single battery life of 50minutes, APP built-in low voltage alarm and power management to ensure stable drone flight

创新桶型折叠设计 Innovative barrel folding design

折叠六轴结构设计,电机提升飞行动力,最大起飞重量56.10 公斤,能搭载灭火弹及其它救援设备。

Folding six-axis structure design, the motor improves flight power, the maximum take-off weight is 56.10 kg, Can carry fire extinguishing bombs and other rescue equipment

07. WK-1800介绍\PRODUCT DETAILS









08. WK-1500产品介绍\PRODUCT DETAILS

机载火箭发射灭火弹 The airborne rocket fires fire bombs

有效发射距离40米,单发可覆盖范围为9.2立方米,遥控器APP端设有十字瞄准星,误差小。

The effective launch distance is 40 meters, with a coverage area of 9.2 cubic meters single shot. The APP terminal of the remote control is equipped with cross aiming star, with small error.

30倍光学变焦相机 30 X optical zoom camera

标配挂载30倍光学变焦相机,超远距离监控,可观察火场及灾情的一切细节情况,能有效帮助制定救援方案。

Equipped with 30 X optical zoom camera, remote monitoring, It can observe the fire site and all details of the disaster, and can effectively help developing the rescue plan.



机载电子快开灭火罐 Airborne electronic fire extinguishing pot

灭火喷粉管展开长度4.33米(最短可缩到1.5米),灭火罐净含量为3公斤,遥控器APP端设有十字瞄准星,误差小。

The expansion length of the powder spraying pipe of extinguishing tank is 4.33 meters (the minimum can be reduced to 1.5 meters), Extinguisher Net weight 3kg. The APP terminal of the remote control is equipped with the cross aiming star, with small error.

折叠四轴八桨设计 Foldable four-axis eight-paddle design

折叠四轴结构设计,八电机提升飞行动力,最大起飞重量45公斤,能搭载灭火弹及其它救援设备,飞行时间可达35分钟。

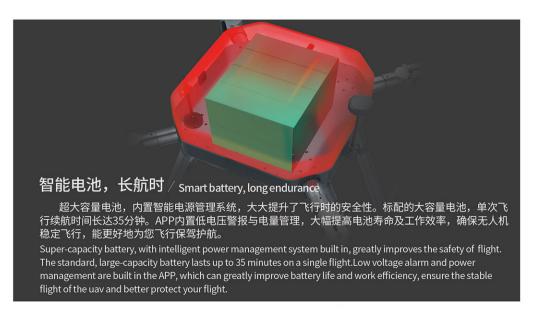
Foldable four-axis structure design, eight-motor lift flight power, with a Max Take-off weight of 45kg, it can be loaded with fire extinguishing bombs and other rescue equipment and can fly 35 minutes maximum.

08. WK-1500介绍\PRODUCT DETAILS









09. WK-1800 参数 \PARAMETERS

对称电机轴距:	1900mm	传感器:	1/2.3 SONY IMX117 CMOS
机身尺寸:	展开尺寸1800x2070x910mm	变焦倍率:	30倍光学变焦
	折叠尺寸950 x1100 x 910mm	ISO范围:	100-3200(视频) / 100-1600(照片)
续航能力:	50分钟	录制分辨率:	4K 30fps
最大起飞重量:	56.10kg	拍照分辨率:	3840 x 2160
最大巡航速度:	10m/s	变倍速度:	大约2.0秒
最大上升速度:	5m/s	水平视角:	59.8°-3.0°(广角-望远)
最大下降速度:	3m/s	近摄距:	5000mm(广角-望远)
最高工作海拔:	5000m	视频存储最大码流	: 64Mbps
最大抗风能力:	12m/s	压缩标准:	H.264 / H.265
防水防尘能力:	基础防水/日常防尘	支持文件存储格式	: FAT32/JPG/MP4
工作温度:	-10°C—45°C	支持存储卡类型:	Micro SD/SDHC卡 最大支持128G, 传输速度为Class10及以上或达到 UHS-1评级的卡
瞄准镜参数:		灭火罐:	
放大倍率:	3-9倍(可调)	净含量:	12kg
调节方式:	旋转锁定环手调式	材质:	HP295
调节量:	100码外1咔哒1/4英寸	重量:	19kg
分化线:	十字密点分化	充装压力:	1.2MPa
调焦方式:	物镜调焦	安装方式:	快挂式
		打开方式:	电子快开
激光雷达测距	避障:		
测距量程:	100m		
障碍物感知范围:	3-15m(可调)	屏幕尺寸:	7.86inch
测量频率:	10kHz	分辨率/亮度:	2048x1536 / 2000cd/m ²
FOV:	水平20°,垂直3°	内存:	RAM:4G; ROM:16G
		系统:	Android
喷水箱:		工作频率:	2.4GHz双频
净含量:	17升	信号有效距离:	约6千米(开阔无遮挡,无电磁干协
材质:	HP295	内置电池:	7.4V 9000mAh LiPo 2S
高压水泵重量:	2.5kg	视频输出接口:	HDMI
充装压力:	1.2MPa		
安装方式:	快挂式	喷粉管:	
打开方式:	电子快开		
			表开长度4.33m(最短可缩到1.5m)

Folded: 950 x1 Flight time: 5 Max Take off weight: 5 Maximum cruise speed: 1 Maximum rise speed: 5)x2070x910mm
Folded: 950 x1 Flight time: 5 Max Take off weight: 5 Maximum cruise speed: 1 Maximum rise speed: 5	100 x 910mm 0minutes 66.10kg 10m/s 5m/s
Flight time: 5 Max Take off weight: 5 Maximum cruise speed: 1 Maximum rise speed: 5	Ominutes 66.10kg LOm/s 5m/s Bm/s
Max Take off weight: 5 Maximum cruise speed: 1 Maximum rise speed: 5	66.10kg L0m/s 5m/s Bm/s
Maximum cruise speed: 1 Maximum rise speed: 5	LOm/s 5m/s Bm/s
Maximum rise speed: 5	ōm/s Bm/s
	Bm/s
Maximum decline speed: 3	•
	5000m
Working altitude: 5	
Maximum wind resistance: 1	2m/s
Waterproof and dustproof of	capability:
Basic water	erproof/daily dustproof
Working temperature: -1	0°C—45°C
Sighting telescope:	
Magnification: 3-9 tim	nes
Adjusting mode: Swivel	lock hand mode
Adjustment: One cl	ick from 100 yards 1/4 incl
Differentiation line: Cross-	dense point differentiation
Focusing mode: Object	ive lens focusing
LIDAR ranging obstacl	
Distance measuring range:	100m
Range of obstacle perception	
Measuring frequency:	10kHz
FOV: Level 20° and 3°ver	tically
Fire suppression bottl	e:
Net weight:	17L
Material:	HP295
Weight of water pump:	2.5kg
Filling pressure:	1.2MPa
Installation method:	Quick hanging type
Open mode:	Electronic fast

Zoom ratio: 30x	optical zoom
SO range: 100-	3200(Video) / 100-1600(Photo)
Recording resolution	n: 4K 30fps
Photography resolut	tion: 3840 x 2160
Zoom speed:	About 2.0 seconds
Horizontal viewing a	ingle: 59.8°-3.0°
Near distance:	5000mm
Video storage stream	n: 64Mbps
Compression standa	ard: H.264 / H.265
Support file storage for	rmat: FAT32/JPG/MP4
Memory card: cransmission rate of Cla	Micro SD/SDHC 128G Max a ass 10 and above or UHS-1 rating
Fire suppression	
Net weight:	12kg
Material:	HP295
Neight:	19kg
	10 10 10 10 10 10 10 10 10 10 10 10 10 1
Filling pressure:	1.2MPa
Filling pressure:	1.2MPa : Quick hanging type
Filling pressure:	1.2MPa
Filling pressure: nstallation method Open mode:	1.2MPa : Quick hanging type
Filling pressure: nstallation method Open mode: Remote:	1.2MPa : Quick hanging type Electronic fast
Filling pressure: nstallation method Open mode: Remote: Screen:	1.2MPa : Quick hanging type Electronic fast 7.86inch
Filling pressure: nstallation method Open mode: Remote: Screen: Resolution/Brightne	1.2MPa : Quick hanging type Electronic fast 7.86inch ss: 2048×1536/2000 cd/m
Filling pressure: Installation method Installa	1.2MPa : Quick hanging type Electronic fast 7.86inch
Filling pressure: nstallation method: Open mode: Remote: Screen: Resolution/Brightne nternal storage: System:	1.2MPa : Quick hanging type Electronic fast 7.86inch 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android
Filling pressure: Installation method Installa	1.2MPa : Quick hanging type Electronic fast 7.86inch ess: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI
Filling pressure: nstallation method: Open mode: Remote: Screen: Resolution/Brightne nternal storage: System: Video output interfa Woring frequency: Effective signal dista	1.2MPa : Quick hanging type Electronic fast 7.86inch sss: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI 2.4GHz & 5.8GHz dual frequency
Filling pressure: nstallation method: Open mode: Remote: Screen: Resolution/Brightne nternal storage: System: Video output interfa Woring frequency: Effective signal dista	1.2MPa : Quick hanging type Electronic fast 7.86inch ess: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI 2.4GHz & 5.8GHz dual frequency ence: About 6km
Filling pressure: nstallation method: Open mode: Remote: Screen: Resolution/Brightne nternal storage: System: Video output interfa Woring frequency: Effective signal dista	1.2MPa : Quick hanging type Electronic fast 7.86inch sss: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI 2.4GHz & 5.8GHz dual frequency ince: About 6km no electromagnetic interference)
Filling pressure: Installation method: Open mode: Remote: Resolution/Brightne Internal storage: Flystem: Video output interfat Woring frequency: Effective signal distat Iopen, no occlusion, Powder spraying	1.2MPa : Quick hanging type Electronic fast 7.86inch sss: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI 2.4GHz & 5.8GHz dual frequency ince: About 6km no electromagnetic interference)
Filling pressure: Installation method: Open mode: Remote: Resolution/Brightne Internal storage: System: Video output interfat Woring frequency: Effective signal distat open, no occlusion,	1.2MPa : Quick hanging type Electronic fast 7.86inch sss: 2048×1536/2000 cd/m RAM: 4G; ROM: 16G Android ce: HDMI 2.4GHz & 5.8GHz dual frequency ince: About 6km no electromagnetic interference)

Gimbal and Camera:

Sensor: 1/2.3 SONY IMX117 CMOS

10. WK-1500 参数 \PARAMETERS

飞机参数:		灭火器参数:		Aircraft:		Fire extinguisher paran	neters.	
对称电机轴距:	1500mm	型号:	CM60 型机载式发射灭火器		wheelbase: 1500mm		borne Fire Extinguisher	
机身尺寸:	展开尺寸1150x1150x760mm	CM60 型机载式发射灭火器直径: φ60mm			Symmetrical motor wheelbase: 1500mm Fuselage size: Unfold:1150×1150×760 mm		CM60 Airborne Fire Extinguisher Diameter: \$\phi60mm\$	
	折叠尺寸650x650x760mm	灭火器长:	995mm	N - 8	:650×650×760mm	Length:	995mm	
续航能力:	35分钟	灭火器全重:	≤3010g	Flight time:	35minutes	Weight:	≤3010g	
最大起飞重量:	45kg	灭火剂种类:	ABC超细干粉	Max Take off weight:		Extinguishing agent type:	ABC Superfine dry powde	
最大巡航速度:	10m/s	灭火剂净重:	≥1100g	Maximum cruise spe		Extinguishing agent weight:	≥1100g	
最大上升速度:	5m/s	器体主材质:	铝合金	Maximum rise speed		Body material:	Aluminum alloy	
最大下降速度:	3m/s	单发灭火能力:	9.2立方(全淹没)	Maximum decline spe		1	2cubic meters (Totally submerged	
最高工作海拔:	5000m	灭火器发火电流:	≥700mA	Working altitude:	5000m	Fire extinguisher firing currer		
最大抗风能力:	14m/s	灭火器安全电流:	≤150mA	Maximum wind resista		Fire extinguisher safety curre		
防水防尘能力:	基础防水/日常防尘	灭火器最大射程:	≤40 米	Waterproof and dust		Fire extinguisher maximum r		
工作温度:	-10°C—45°C	灭火器发射初速:	≤35m/s		sic waterproof/daily dustproof	Fire extinguisher launch velo		
- 八+D+D 全米b		灭火器喷射延期时间:	5s-6s	Working temperature		Fire extinguisher injection delay	,	
云台相机参数: ^{传感器:}	1/2.3 SONY IMX117 CMOS	灭火器使用温度:	-40°C~+50°C			Fire extinguisher working tempe		
变焦倍率:	30倍光学变焦	全密封:	防水、防潮、不爆炸	Gimbal and Cam		0 0 1	oistureproof, non-explosive	
		灭火器使用年限:	5年		3 SONY IMX117 CMOS	Fire extinguisher service life:	5 years	
ISO范围:	100-3200(视频) / 100-1600(照片)	44 44 44 44 44 44 44 44 44 44 44 44 44			optical zoom			
录制分辨率:	4K 30fps	发射器参数:	CMCO 刑扣 # 十 # HP		3200(Video) / 100-1600(Photo)	Shoot machine parame	211002000	
拍照分辨率:	3840 x 2160	型号:	CM60 型机载式发射器	Recording resolution	•	Model:	CM60 airborne launcher	
变倍速度:	大约2.0秒	发射器外管口径:	ф67mm	Photography resolut		Out diameter Shoot machine	L. L. Control of the	
水平视角:	59.8°- 3.0°(广角-望远)	最大外管口径:	ф70mm	Zoom speed:	About 2.0 seconds	Maximum outer tube diamet	err: φ70mm	
近摄距:	5000mm(广角-望远)	发射器全长:	1000mm	Horizontal viewing a		Shoot machine full length:	1000mm	
视频存储最大码流		发射器全重:	≤1400g	Near distance:	5000mm	Shoot machine full weight:	≤1400g	
压缩标准:	H.264 / H.265	发射弹种60型弹器体主材质		Video storage stream		60 types of projectile body:	Composite material, allo	
	t: FAT32/JPG/MP4	发射器触发电压:	12-24V 电信号	Compression standa	· ·	Shoot machine trigger voltage	e: 12-24V electrical signal	
支持存储卡类型:	: Micro SD/SDHC卡 最大支持128G, 传输速度为Class10及以上或达到 UHS-1评级的卡	发射器触发电流:	≥700mA	Support file storage for	mat: FAT32/JPG/MP4	Shoot machine triggered cur	rent: ≥700mA	
		发射器使用温度:	-40°C~+50°C	Memory card:	Micro SD/SDHC 128G Max a	Shoot machine usage tempera	ture: -40°C~+50°C	
		发射器使用年限:	3年≥100次	transmission rate of Cla	ass 10 and above or UHS-1 rating	Shoot machine usage life:	3 years ≥100 times	
瞄准镜参数:		灭火罐:		Sighting telescop	pe:	Fire suppression bottle	•	
放大倍率:	3-9倍(可调)	净含量:	3kg	Magnification:	3-9 times	Net weight:	3kg	
调节方式:	旋转锁定环手调式	材质:	HP295	Adjusting mode:	Swivel lock hand mode	Material:	HP295	
	100码外1咔哒1/4英寸	重量:	6.2kg	Adjustment:	One click from 100 yards 1/4 inch	Weight:	6.2kg	
分化线:	十字密点分化	充装压力:	1.2MPa	Differentiation line:	Cross - dense point differentiation	Filling pressure:	1.2MPa	
调焦方式:	物镜调焦	安装方式:	快挂式	Focusing mode:	Objective lens focusing	Installation method:	Quick hanging type	
激光雷达测距)	游障:	打开方式:	电子快开	LIDAP ranging of	ostaclo avoidance:	Open mode:	Electronic fast	
测距量程:	100m	~ 拉四女**•		Distance measuring	ostacle avoidance:			
障碍物感知范围:	3-15m(可调)	遥控器参数:	7.86inch		erception: 3~15 m (adjustable)	Remote:		
测量频率:	10kHz	屏幕尺寸:		Measuring frequency		Screen:	7.86inch	
FOV:	水平20°,垂直3°	分辨率/亮度:	2048x1536 / 2000cd/m ²	FOV: Level 20 ° and		Resolution/Brightness:	2048×1536/2000 cd/m ²	
		内存:	RAM:4G; ROM:16G	TOV. Level 20 dill	20 vertically	Internal storage:	RAM: 4G; ROM: 16G	
喷粉管:		系统:	Android	Powder spraying	gpipe:	System:	Android	
材质:	碳纤维	工作频率:	2.4GHz双频	Material:	Carbon fiber	Video output interface:	HDMI	
伸缩长度:	展开长度4.33m(最短可缩到1.5m)		6千米(开阔无遮挡,无电磁干忧)	Expansion length:	4.33m expansion length	Woring frequency: 2.4GHz	& 5.8GHz dual frequency	
		内置电池:	7.4V 9000mAh LiPo 2S		(minimum shrinkage to 1.5m)	Effective signal distance: (open, no occlusion, no elect	About 6KM	