

PROFESSIONAL DRONE SOLUTION



STARVIEW DRONE SOLUTIONS

Reliable commercial drone make the task easier, safer, and faster. Starview, as an industry leading drone solution provider, is committed to providing intelligent and standardized drone solutions suitable for different application scenarios.

Mapping & Surveying: Starview provides professional drone mapping solutions, covering different application areas, such as land survey, city planning, construction and infrastructure, etc., Which can save time, ensure safer working conditions and more accurate 3D models.

Inspection: Starview provides safer and efficient drone inspection solutions for customers. The application field involves power line & pipeline inspection, emergency monitoring and surveillance patrol etc. Drone inspection will help to increase safety, reduce work time and labor costs, access to hard-to-reach areas and get more accurate data, etc.



MAPPING

3D modeling; Urban Planning; Geological Exploration; Land Title Confirmation, etc.



INSPECTION

Land and Transportation; Oil and Gas Pipelines; Environmental Protection Supervision; Water Supervision; Forest Supervision; etc.



LOGISTICS

Logistics Transportation; Emergency Material Transportation; etc.



SECURITY

Security and firefighting; Anti-smuggling; Anti-drug; Anti-crime and evil; Maritime Supervision; Emergency Rescue; etc.



SCIENTIFIC RESEARCH

Scientific Experiment; Training and Education; Secondary Development; Subject Research; etc.



AGRICULTURE

Precision Agriculture Ecological Protection Poppy Patrol; etc.



SDRONE-PRO SERIES A

STARVIEW SDRO-ATHEA2XXMP HEAVY LIFT COAXIAL OCTOCOPTER DRONE



DESCRIPTION

SDRO-ATHEA2XXMP coaxial octocopter is a multipurpose & heavy lift drone with max 70 kg payload and 45 min-endurance (no payload). It is an ideal heavy lift drone thanks to its capability of carrying up to a 70 kg payload. It can reach 18 min endurance with 50 kg payload. It can be equipped with various equipment, such as cargo delivery box, fire extinguishing bomb, capture net, searchlight, and it can be applied in fields like reconnaissance mission, emergency rescue, firefighting, or other situations that need quad-copters capable of doing some serious heavy lifting.

FEATURES

- SDRO-ATHEA2XXMP features full carbon fiber body, light weight and super high strength. It adopts quick-assemble design, including arms and smart battery, which ensures a short assembly time, greatly shortens preparation time for each flight.
- SDRO-ATHEA2XXMP adopts dual GPS design, improving positioning accuracy and anti-interference ability. It is also equipped with two radars to enhance in-flight safety and aircraft stability, which helps keep the drone and the mission safe even in complex operating environments.

Technical specifications	HEAVY LIFT COAXIAL OCTOCOPTER DRONE
MODEL	SDRO-ATHEA2XXMP
Controlling Range (No Interference)	10 Km
Wheelbase	2,039 mm
Unfolded Dimensions (W x D x H)	1,590 x 1,515 x 890 mm
Folded Dimensions (W x D x H)	860 x 860 x 850 mm
Maximum Payload	70 Kg
Maximum Take-off Weight	140 Kg
Flight Time	45 min @ No payload; 18 min @ 50 Kg
Flight Speed	90 km/h
Battery	2x 16s 50,400 mAh
Battery Weight	32 Kg
Material	Carbon Fiber; Aviation Aluminum
Working Temperature	-20°C ~ 55°C

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STARVIEW SDRO-AALT37X TANDEM-WING HYBRID VTOL DRONE



DESCRIPTION

The SDRO-AALT37X tandem-wing hybrid equips a double-cylinder EFI generator and applies DGPS technology and quick-mount design. It can be an excellent platform for inspections, mapping and survey, search and rescue, etc.

As a tandem-wing drone, both wings can provide much more lift force than a conventional airplane and promote stability and control at the same time

FEATURES

- The SDRO-AALT37X supports remote start, which is critical if the generator stops accidentally in the air. EFI engine can automatically adjust the fuel/air ratio via electronic controls to maintain optimal combustion conditions and determine the precise amount of fuel that the injector needs to deliver. By optimizing air/fuel ratios and ignition timing, EFI engine eliminates random engine stoppages and other problems associated with sub-optimal ratios, so it increases reliability and reduces the time and expense of maintenance.
 - The SDRO-AALT37X supports DGPS, which helps provide higher locating accuracy and attitude self-correction ability, and because there is no compass, electromagnetic interference won't be a worry. One of the antennas is hiding inside the tail to reduce wind resistance.
 - The inner space of SDRO-AALT37X is big enough for various mission payloads to carry out various missions.
 - Quick-mount design of the wings also saves time and space during assembling and transportation.
- Aerodynamic shape also reduces wind resistance and improves efficiency.
- The carrying case of SDRO-AALT37X integrates a slide-out plate for PC, an operating desk, and a organization place for oil pump and pipes.
 - Long endurance and large loading capacity make SDRO-AALT37X a versatile platform for a wide variety of scenarios, such as inspections, mapping and survey, delivery, etc

Technical specifications		TANDEM-WING HYBRID VTOL DRONE
MODEL		SDRO-AALT37X
Wing Configuration		Tandem Wing
Wingspan	Forward Wing	2,820 mm
	Rear Wing	3,750 mm
Length		2,020 mm
Carrying Case (W x D x H)		2,100 x 730 x 670 mm
Flight Time		10 hours (4 Kg battery, 4 Kg payload, 10 L fuel)
Flight Speed		93 ~ 144 Km/h
Service Ceiling		5,000 m
Maximum Take-off Height		2,000 m
Wind Resistance		13 m/s
Weight		20 Kg (No battery and no fuel)
Maximum Take-off Weight		35 kg
Maximum Payload		15 Kg (Including fuel and battery)
Generator Power		14 V 180 W (Optional)
Fuel Tank Capacity		10 L
Battery Weight		4 Kg
Working Temperature		-20°C ~ 55°C

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STARVIEW SDRO-ANAGA1XX-L LIDAR COMBO



DESCRIPTION

The SDRO-ANAGA1XX-L Lidar combo includes a high efficiency multirotor and LiDAR point cloud data acquisition system, which is widely used in the acquisition of 3D spatial information in surveying, electricity, forestry, agriculture, land planning, mine safety.

FEATURES

- The SDRO-ANAGA1XX-L has better wind resistance and attitude stability. The co-axial design effectively increases the load capacity of SDRO-ANAGA1XX-L, and if one motor or propeller stops running, the whole octocopter system will not be affected, which is still able to land safely.
- The loading plate of SDRO-ANAGA1XX-L is designed with a quick-detach adapter, making the aircraft perfectly compatible with different mission payload, such as lidar, mapping camera, oblique mapping camera, searchlight and megaphone system etc.
- Unique arm design: High & low arm design makes drone more maneuverable, compact, and accelerate rather quickly. The folding arms are made of carbon fiber material with each arm weighting only 10 g.
- Safety and reliability: Navigation light system on the motor seat has three control mode, slow flash fast flash/off, for which you can assign different meanings in different situations.
- Various pavioads compatible: The loading plate of SDRO-ANAGA1XX-L is designed with a quick-detach adapter, making the aircraft perfectly compatible with different mission payload.
- High-efficiency cooling system: There are multiple ventilation holes and cooling fans on the fuselage. When the internal temperature reaches to 35 degrees the cooling system starts to work automatically, which can effectively alleviate the phenomenon of overheating. Besides, this cooling system can switch off automatically in low temperatures.
- Integrated with a laser scanner, GNSS satellite positioning system, INS inertial navigation system, and an A6000 camera, LiDAR is a high-precision drone LiDAR point cloud data acquisition system. It enables real-time and extensive collection of high-precision point cloud data and rich image information, making it suitable for various applications such as digital city construction, land surveying, forestry, and agriculture.
- The LIDAR offers high precision GNSS positioning, rapid data processing, and a lightweight design of under 1.1 kg

Technical specifications**STARVIEW LIDAR COMBO**

MODEL	SDRO-ANAGA1XX-L
Controlling Range (No Interference)	20 Km
Wheelbase	815 mm
Unfolded Dimensions (W x D x H)	670 x 650 x 200 mm (excluding propellers/landing gears)
Folded Dimensions (W x D x H)	440 x 210 x 200 mm (excluding propellers/landing gears)
Carrying Case (W x D x H)	680 x 450 x 350 mm
Propeller	560 mm
Weight	2.6 Kg (No battery)
Battery Weight	2.8 Kg
Transport Weight	7 Kg
Maximum Take-off Weight	8 Kg
Hovering Accuracy	Vertical $\pm 0.8\text{m}$ / Horizontal $\pm 2.5\text{m}$
Maximum Ascent Speed	4 m/s
Maximum Descent Speed	3 m/s
Maximum Wind Speed	14 m/s
Hovering Time (No Payload)	90 min
Working Voltage	50.4 V
Working Temperature	-10°C ~ 55°C
Maximum Flying Speed	108 Km/h
Service Ceiling	6,000 m
Maximum Pitch Angle	25°

LIDAR SPECIFICATIONS

Measuring Distance	190 m @ 10% reflectivity
Laser Safety Grade	905 nm Class 1 (IEC 60825-1:2014)
Laser Line Number	Equivalent to 64-beam
Accuracy	2 cm
Data Volume	Triple echo; 720,000 Points/sec
FOV	70° the circular view
Laser	Livox Avia
Update Frequency	200 Hz
Weight	1,020 g
Working Temperature	-20°C ~ 55°C
Working Voltage	12 - 16 V
Power Consumption	20 W
Compatible Drone	Multirotor with max. 10 m/s flying speed
Storage	Internal storage 64 Gb; Max. 128 Gb SD card

CAMERA SPECIFICATIONS

Model	Sony A6000
Effective Pixels	26 MP
Trigger Event	Distance or Time trigger
Minimum Time Interval	1 s
FOV	83°

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STARVIEW SDRO-AREX3XX HYBRID VTOL DRONE



DESCRIPTION

The SDRO-AREX3XX is a high-performance hybrid VTOL drone that can adapt to a variety of environments. The canard aerodynamic design is good for improving lift to enhance flight time, which also protects the drone from stall to ensure the flight safety. The auto switch between quad-rotor mode and fixedwing mode not only enables SDRO-AREX3XX vertical take-off and landing without a special site in quad-rotor mode, but also has the characteristics of fixedwing, such as long endurance, fast cruising speed, low-noise, etc.

FEATURES

- The fuselage is made of carbon fiber material with 3,368 mm wingspan, featuring lightweight, high strength, waterproof and anti-interference. A pair of propeller under the canard also reduces the weight of fuselage without a traditional lever. Unique modular quick-detach design allows the whole installation and debugging to be completed in less than 10 minutes. And a medium-sized SUV is large enough to transport all equipment.
- The biggest highlight of SDRO-AREX3XX is the electronic fuel injection (EFI) engine, which provides a more reliable and stable flight. The ignition timing and fuel supply is calculated precisely by ECU. The operation performance in cold areas can be effectively improved for low-temperature start function. And the fuel is completely burned at different altitudes serving to protect the engine.
- Specifically designed the IMU integrated inner shock absorber structure for LEO-2 flight control system effectively reduces the impact of aircraft vibration to LEO-2. Temperature compensation range is from -15oC to 85oC. Therefore, equipped with LEO 2 flight control system, SDRO-AREX3XX is able to keep steady flight attitude. The standard transmission distance of SDRO-CTL-DA1X 16-channel radio controller is 8 - 10 km.
- The most distinguishing characteristic of LEO FC and LEO-2 FC is that the LEO-2 is able to estimate yaw with two GPS module. Orientation accuracy can reach up to 0.2°.
- SDRO-AREX3XX is a versatile platform, which is enough to load SAR radar, lidar and various cameras, such as oblique cameras, gimbal cameras, hyperspectral cameras so that to provide solutions for a wide variety of scenarios, such as inspections, mapping and survey, traffic monitoring, search and rescue, logistics, etc.

Technical specifications	CANARD HYBRID VTOL DRONE
MODEL	SDRO-AREX3XX
Wingspan	3,368 mm
Length	1,850 mm
Carrying Case (W x D x H)	2,050 x 530 x 570 mm
Material	Carbon fiber
Flight Time	6 hours (No payload)
Flight Speed	90 Km/h
Service Ceiling	5,000 m
Take-off/Landing	VTOL
Maximum Fixedwing Climb Rate	5 m/s
Wind Resistance	≤ 12 m/s
Stall Speed	16 m/s
Weight	18 Kg
Maximum Take-off Weight	32 Kg (No battery and no fuel)
Maximum Payload	12 Kg (Including fuel)
Fuel Tank Capacity	8 L
Working Temperature	-20°C ~ 55°C

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STARVIEW SDRO-ATHEA21X-H HYBRID AGRICULTURE DRONE

DESCRIPTION

The SDRO-ATHEA21X-H agriculture hexacopter equips an EFI engine, 120° FOV camera with two lights and two high-precision radars.

SDRO-ATHEA21X-H agriculture drone adopts classic folding structure, which is convenient for transportation and storage during operation.



FEATURES

- Sturdy and Durable: The use of integrated injection molding technology realizes integrated design of the fuselage and has a higher fuselage strength. Centralized power supply, signal and power supply are separated to reduce interference. The body frame is made of 3K carbon fiber material, which is high strength and lightweight. The body shell is made of PC material, which is dustproof, waterproof and anti-corrosion.
- Handy and High-efficiency: Smart EFI engine improves fuel efficiency and reduces loss by calculating the best fuel/air ratio and ignition time. By so, SDRO-ATHEA21X-H provides an easier and better operation experience. A detachable camera adapter is designed on the front of the fuselage, which can be installed or taken off as needed. Water-cooling system of the engine prevents the engine from overheat and improves the overall performance of SDRO-ATHEA21X-H. The video/data transmission range is 5 km. Two high-precision radars for obstacle avoidance and terrain following makes the operation more reliable and safer.
- Easy Control: With an application on the phone, you can do route planning, drone status checking, real-time parameters adjusting, light control and other operations. Multi-functional remote control provides 12 channels, parameter real-time display and a high-brightness screen.
- 6,000 W EFI Engine: Higher fuel efficiency and reduces loss by calculating the best fuel/air ratio and ignition time, providing stable and continuous power for operation.
- Water-cooling System: A liquid cooled engine draws away heat from the engine and controls temperature of the engine efficiently.
- Easier & Safer: Two high-precision radars for obstacle avoidance and terrain following makes the operation more reliable and safer.
- One-piece Double-barrel Spray Tank: 8 m spraying width 8 pressure nozzles >120,000 m²/h coverage.
- Easy Controlling: With application on the phone, you can do the route planning, drone status checking, real-time parameters adjusting, light control and other operations.
- High-Bright Lights for Night Operation: 120° large FOV camera with two high-bright lights enhance working capability during the night.

Technical specifications		HYBRID AGRICULTURE DRONE	
Model		SDRO-ATHEA21X-H	
Wheelbase		2,100 mm	
Unfolded Dimensions (W x D x H)		1,800 x 2,000 x 730 mm	
Folded Dimensions (W x D x H)		730 x 1,055 x 730 mm	
Weight		RTF weight: 42 Kg; Fully loaded: 70 Kg	
Spray Width		6 ~ 8 m	
Efficiency		120,000 m2/h	
Working Voltage		58.8 V	
Battery		2x 7S 10,000 mAh	
EFI ENGINE SPECIFICATIONS			
Generator Weight		9.8 Kg	
Generator Output		6 kW	
TERRAIN FOLLOWING RADAR SPECIFICATIONS			
Detection Range		0.3 ~ 15 m (against the ground)	
Detection Accuracy		0.05 m	
Output Frequency		50 Hz	
Power Consumption		1.5 W @ 25°C	
Working Voltage		6 ~ 28 V	
Protection Level		IP67	
OBSTACLE AVOIDANCE RADAR SPECIFICATIONS			
Detection Range		1 ~ 25 m	
Detection Accuracy		0.1 m	
Output Frequency		40 Hz	
Power Consumption		3.0 W @ 25°C	
Working Voltage		9 ~ 28 V	
Protection Level		IP67	
RTK MODULE SPECIFICATIONS			
Weight		148 g	
GNSS Signal		GPS-L1/L2; GLONASS L1/L2; Beidou-B1/B2	
Positioning Accuracy (RMS)	Point Positioning	Horizontal: 1.5 m (RMS); Vertical: 3.0 m (RMS)	
	RTK	Horizontal: 0.01 m ±1 ppm (RMS); Vertical: 0.02 m ±1 ppm (RMS)	
Orientation Accuracy		<0.16° (RMS)	

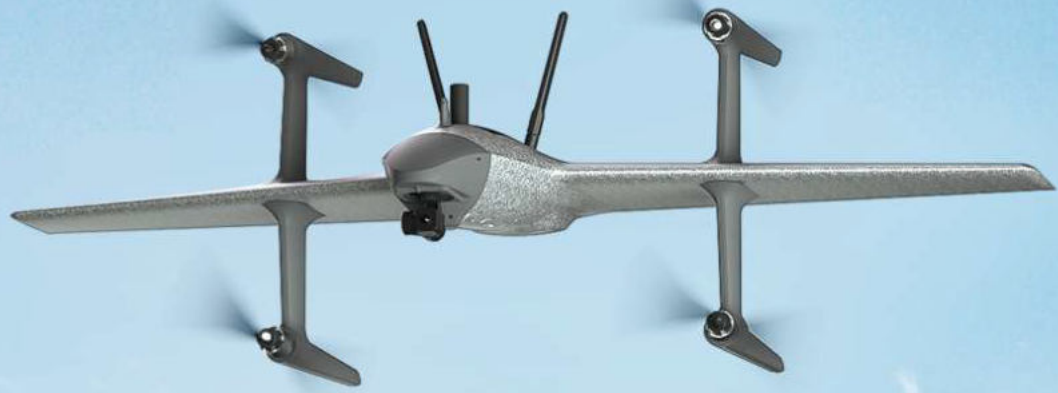
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SDRONE-PRO SERIES B

STARVIEW SDRO-BHW VTOL FLYING WING



DESCRIPTION

SDRO-BHW Flying Wing with 50 min endurance is an easy operation Mapping and Inspection VTOL, which can take-off and landing vertically without a runway.

SDRO-BHW is a lightweight and portable VTOL with light modular airframe, no messy wiring and no complicated connecting procedures. SDRO-BHW has no control surface, adopting differential steering mechanism to alter the direction, which brings users a minimalist control experience.

FEATURES

- Centimeter-level Mapping: SDRO-BHW-MVTOL mapping version is equipped with a Sony 24.3 MP mapping camera, high-precision PPK module and 5 km radio controller for centimeter-level mapping without ground control points.
- Long Range Inspection: SDRO-BHW-IVTOL inspection version has an onboard 3-axis gimbal camera featuring 12 MP and 1080P video transmission resolution. With SDRO-CTL-MK1X radio controller, SDRO-BHW-IVTOL can realize 15 km long range RC/data/video transmission, which can be used for disaster prevention, police surveillance and evidence collection, emergency monitoring and rescue.
- Modular Design, Quick Assembly: No tools needed and easy to carry.
- Onboard GPS: Connected with GPS, SDRO-BHW is able to perform Position Hold and return to home by itself. With the Flightpath Planning, the aircraft is able to fly between the destination and home along optimal routes intelligently determined by the software or the pilot could create waypoints as they wish.
- Emergency Failsafe, Multi-Protection: The well rounded failsafe mechanism including Return to Home Protection and VTOL Assisted Protection enhance in-flight safety and aircraft stability

Technical specifications**INSPECTION VTOL FLYING WING**

Model	SDRO-BHW-IVTOL
Controlling Range (No Interference)	15 Km
Wingspan	1,200 mm
Weight	1.12 Kg (No battery)
Flight Time	50 min (with gimbal or mapping camera)
Flight Range	40 - 45 Km
Flight Speed	40 - 90 Km/h
Battery	4S 5,500 mAh Lipo
Maximum Take-off Weight	1.75 Kg

CAMERA SPECIFICATIONS

Image Sensor	1/2.3 inch CMOS
Effective Pixels	12 MP
FOV	80° ~ 100°
Focal Length	24 mm
Aperture	f/2.8
Focus Range	1 m to ∞
Video ISO Range	100 to 3200 (Auto/Manual)
Maximum Photo Size	4000 x 3000 (4:3)
Video Resolution	4K: 3840 x 2160 @24/25/30 fps 2.7K: 2720 x 1530 @24/25/30/48/50/60 fps FHD: 1920 x 1080 @24/25/30/48/50/60 fps
Digital Zoom Range	4K: 2 times; 2.7K: 3 times; FHD: 4 times
SD Card Capacity	≤ 128 Gb
Photo Format	JPEG/DNG (RAW)
Video Format	MP4 (H.264/MPEG-4 AVC)

GIMBAL SPECIFICATIONS

Sensitivity	Moderate/Sensitive
Follow Mode	Complete/Heading/Heading Pitch
Control Accuracy	0.02°

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Technical specifications**MAPPING VTOL FLYING WING**

Model	SDRO-BHW-MVTOL
Controlling Range (No Interference)	5 Km
Wingspan	1,200 mm
Weight	1.12 Kg (No battery)
Flight Time	50 min (with gimbal or mapping camera)
Flight Range	40 - 45 Km
Flight Speed	40 - 90 Km/h
Battery	4S 5,500 mAh Lipo
Maximum Take-off Weight	1.75 Kg

CAMERA SPECIFICATIONS

Dimensions (W x D x H)	75 x 65 x 90 mm (with 25 mm lens)
Weight	220 g (with lens)
Effective Pixels	24.3 MP
Camera Frame	APS Frame
Sensor Dimensions	23.5 x 15.6 mm
Lens Mount	Sony E Mount
Voltage	2 ~ 7S 10 ~ 30 V

PPK MODULE SPECIFICATIONS

Working Temperature	-30°C ~ 75°C
GNSS Signal	GPS; GLONASS; BDS; Galileo
GNSS Channel	72
Update Rate	5 Hz
Input Voltage	5 V
Antenna Voltage	3.3 V
Average Current	25 mA
Storage	16 Gb
Data Format	RINEX
Antenna Interface	Mcx
Horizontal Accuracy	2 cm + 1 ppm
Vertical Accuracy	4 cm + 1 ppm

WORK EFFICIENCY

Overlap Rate	80% x 70% Resolution; 5/10/20 cm; 60 min flight time
1 : 500 Flying Height 210 m	2 - 3 Km ² /flight
1 : 1,000 Flying Height 420 m	4 - 5 Km ² /flight
1 : 2,000 Flying Height 840 m	8 - 9 Km ² /flight

OPERATION ACCURACY

1 : 500 Without Ground Control Points	Horizontal accuracy ≤ 5 cm; Vertical accuracy ≤ 5 cm
1 : 1,000 Without Ground Control Points	Horizontal accuracy ≤ 8 cm; Vertical accuracy ≤ 10 cm
1 : 2,000 Without Ground Control Points	Horizontal accuracy ≤ 15 cm; Vertical accuracy ≤ 20 cm

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STARVIEW SDRO-BNAGA QUADCOPTER FOR INSPECTION AND MAPPING



DESCRIPTION

SDRO-BNAGA is a small but powerful drone designed for inspection and mapping. Its compact design, versatile functionality, and exceptional performance ensure you're equipped for success in various applications. Featuring IP65 rating folding frame, and multiple failsafe, SDRO-BNAGA packs practical tools in a miniature airframe.

Catering to various industries, the SDRO-BNAGA provides tailored and professional solutions to meet diverse needs. Whether for aerial photography, surveillance, mapping, or any other application, the SDRO-BNAGA is designed to provide top-notch performance and unmatched reliability.

FEATURES

- Featuring 90 minutes of flight time, IP65 rating folding frame and multiple failsafes, SDRO-BNAGA packs practical tools in a miniature airframe.
- Its compact folding airframe enables easy operation and flexible maneuvering.
- Forged from a combination of carbon fiber, PCB and CNC, SDRO-BNAGA is both light, 5.4 Kg including a battery and tough, allowing flight mission under a wide temperature range of -10oC - 55oC.
- A set of built-in antenna shields from dust and moist.
- Self-locking propellers spare the need for tools to mount.
- Under circumstances when SDRO-BNAGA is in low voltage status or loss of signal, Return to Launch failsafe will be automatically triggered to save the day.
- Plan the flight path that can be saved for future mission on either Herelink 5.5" inch touch screen or on Mission Planner/PC after linking herelink with PC through WiFi/Bluetooth/USB, drone flying becomes programmable and as simple as anyone can master. Alternatively, Herelink also serves as a streaming media server that delivers video and data (WAN) among team members on their devices like an ipad, mobile phone or PC, allowing a simultaneous team participation in the mission.

Technical specifications	QUADCOPTER FOR INSPECTION AND MAPPING
Model	SDRO-BNAGA
Controlling Range (No Interference)	20 Km
Wheelbase	815 mm
Unfolded Dimensions (W x D x H)	670 x 650 x 200 mm (excluding propellers/landing gears)
Folding Dimensions (W x D x H)	440 x 210 x 200 mm (excluding propellers/landing gears)
Carrying Case (W x D x H)	680 x 450 x 350 mm
Propeller	560 mm
Weight	2.6 Kg (No battery)
Battery Weight	2.8 Kg
Transport Weight	7 Kg
Maximum Take-off Weight	8 Kg
Hovering Accuracy	Vertical ±0.8m/ Horizontal ±2.5m
Maximum Ascent Speed	4 m/s
Maximum Descent Speed	3 m/s
Maximum Wind Speed	14 m/s
Hovering Time (No Payload)	90 min
Working Voltage	50.4 V
Working Temperature	-10°C ~ 55°C
Maximum Flying Speed	108 Km/h
Service Ceiling	6,000 m
Maximum Pitch Angle	25°
CHARGER SPECIFICATIONS	
Input Voltage	AC 100 ~ 240 V @50/60Hz; DC 10 ~ 34 V
Output Voltage	DC 1 ~ 34 V
Charging Current	0.2 ~ 20 A x 2
Discharging Current	0.2 ~ 3 A x 2
Maximum Charging Power	AC 400 W / DC 600 W x 2
Maximum Discharging Power	30 W x 2
Balance Current	1.5 A/Cell Max
Battery Type	LiFe; Lilon; LiPo 1 ~ 8S; LiHv; ULiHv 1 ~ 7S; Pb 1 ~ 14S; NiMH/Cd 1 ~ 18S
Working Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Dimensions (W x D x H)	176 x 183 x 57 mm
Weight	1,230 g
BATTERY SPECIFICATIONS	
Capacity	25,000/30,000/33,000 mAh (Optional)
Weight	4.5/5.2/5.7 Kg
Voltage	51.8 V
Type	Solid-State Li-ion
Working Temperature	-10°C ~ 40°C

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STARVIEW SDRO-BMX68X QUADCOPTER FOR INSPECTION AND MAPPING



DESCRIPTION

The SDRO-BMX68X is a small but powerful drone designed for inspection and mapping. It's compact design, versatile functionality, and exceptional performance ensure you're equipped for success in various applications. With an ultra-short 680 mm wheelbase, the SDRO-BMX68X offers exceptional maneuverability and control.

Catering to various industries, the SDRO-BMX68X provides tailored and professional solutions to meet diverse needs. Whether for aerial photography, surveillance, mapping, or any other application, the SDRO-BMX68X is designed to provide top-notch performance and unmatched reliability.

FEATURES

- Provides tailored and professional solutions to meet diverse needs.
- Compact and streamlined design.
- Full carbon fiber material, and 680 mm wheelbase.
- Versatile & enhanced maneuverability:
 - Lightweight design;
 - 10x optical zoom (option).
- Your gateway to effortless expansion:
 - Dual sensor night vision capability (option);
 - Ethernet port, HDMI, serial port supported.
- Elevating surveying & Mapping efficiency:
 - Oblique camera integration (option);
 - Built-in high-performance GPS module;
 - Cover 1 km² on a single battery charge.
- Image transmission system: With 20 km control range and dual-channel image transmission, the automatic frequency hopping technology enhances interference resistance, ensuring a more robust and stable image transmission.

- FPV perspective: Standard across the entire range is a single-axis FPV gimbal, delivering a safer and more stable flight perspective. It supports up to 1080P H.264 encoded video transmission and offers onboard recording and photography.
- Android system: Equipped with a 7-inch 1920 x 1200 resolution ISP high-brightness screen, reaching a maximum brightness of 2,000 nits. Built-in Android operating system and providing the required SOCKET interface for simplified development.
- Smart battery: Utilizing high-energy-density li-ion battery, coupled with an intelligent control board, it allows easy monitoring of battery levels and switch control, and is equipped with a smart discharge system.
- GCS App: Built upon the foundation of QGroundControl (QGC), this app offers a wealth of enhancements to provide a superior user experience and streamline your operations. With an improved interface, it offers a broader map perspective, enabling intelligent waypoint planning, automated execution, auto-follow, one-click-to-home functionality, and significantly enhanced operational efficiency for professional tasks across various domains.

Technical specifications

QUADCOPTER FOR INSPECTION AND MAPPING

Model	SDRO-BMX68X
Controlling Range (No Interference)	20 Km
Wheelbase	680 mm
Unfolded Dimensions (W x D x H)	780 x 780 x 255 mm
Folding Dimensions (W x D x H)	544 x 544 x 255 mm
Weight	1,161 g (No battery)
Transport Dimensions (W x D x H)	590 x 590 x 290 mm
Transport Weight	7 Kg
Maximum Take-off Weight	3.5 Kg
Hovering Accuracy	Vertical $\pm 0.8\text{m}$ / Horizontal $\pm 2.5\text{m}$
Maximum Rudder Speed	200°/s
Number of Axes	4
Maximum Ascent Speed	6 m/s
Maximum Descent Speed	4.5 m/s
Maximum Wind Speed	8 m/s
Hovering Time (No Payload)	100 min
Motor	4108
Working Temperature	-10°C ~ 40°C
Flight Speed	66 Km/h
Traction Rope Model	2.0 mm
Maximum Pitch Angle	35°

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REMOTE CONTROL SPECIFICATIONS

Controlling Distance (No Interference)	10 Km
Battery Life	6 ~ 20 hours
Transmitter Power	20DB@CE/ 23DB@FCC
Receiving Sensitivity	-120 DBM
Dust-free Design	Joystick dust-free
Charging Voltage	9 V
Channel	16
Supported Drone Type	Fixedwing, helicopter, glider, multi-rotor
Storage Capacity	8 Gb
Relay Function	Yes
Low Voltage Alarm	Yes
PC Parameter Adjusting Upgrade	Yes
Battery	20,000 mAh
Working Voltage	4.2 V
Charging Port	Type-C
Dimension (W x D x H)	272 x 183 x 94 mm
Weight	1,043 g
Frequency	2.400 - 2.483 GHz
Frequency Hopping	FHSS
Joystick Resolution	4096 grade

CHARGER SPECIFICATIONS

Input Voltage	AC 100 ~ 240 V @50/60Hz
Output Voltage	24 V
Charging Current	8A
Discharging Current	2A
Maximum Charging Power	100 W
Maximum Discharging Power	24 W
Balance Current	1 A
Battery Type	Lipo-6s
Working Temperature	0°C ~ 40°C
Storage Temperature	-20°C ~ 60°C
Dimension (W x D x H)	130 x 115 x 61 mm
Weight	380 g

BATTERY SPECIFICATIONS

Capacity	12,000 mAh
Weight	1,166 g
Voltage	4.4 x 6 V
Type	Lipo-6s
Plug Type	XT60
Working Temperature	-10°C ~ 40°C

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STARVIEW SDRO-BAYK-25X VTOL DRONE



DESCRIPTION

Starview SDRO-BAYK-25X is a long-endurance tail-pushed VTOL with high efficiency specifically designed for long-range inspection, surveillance and mapping jobs, which can realize 3.5 hour endurance with 1.2 kg payload.

FEATURES

- Starview SDRO-BAYK-25X adopts carbon fiber integrated molding process, which makes the whole body light and durable, the aerodynamic design and smooth surface ensure a low air resistance.
- The quick-detach design on both fuselage and cable connector makes it easy to assembly the drone in a short time. In particular, the detachable tail design has the advantages of reducing the volume and convenient transportation. The detachable payload compartment is also convenient for loading different task equipment.
- There is a DGPS version of SDRO-BAYK-25X that adopts dual GPS modules, providing GPS for yaw, higher locating accuracy, and eliminating compass calibration. DGPS version also supports propeller direction auto lock function that fixes in the air in fixedwing mode to reduce wind resistance.
- With long duration and stable flight performance SDRO-BAYK-25X VTOL can be applied in inspection and surveillance, mapping and survey by loading different gimbal cameras or mapping cameras, such as Starview zoom cameras, oblique camera and multispectral camera etc.
- SDRO-BAYK-25X VTOL equipped with 30x zoom camera and dual-screen ground control station featuring 15 km rc/data/video transmission range can be used for long range inspection like public security, border defense and energy industries.

Technical specifications**STARVIEW VTOL DRONE**

Model	SDRO-BAYK-25X
Wingspan	2,500 mm
Length	1,260 mm
Carrying Case (W x D x H)	1,300 x 530 x 470 mm
Battery Cabin (W x D x H)	260 x 150 x 85 mm
Material	Carbon fiber
Flight Time	4 hours (No payload)
Flight Speed	93.6 Km/h @ 12.5 Kg
Service Ceiling	4,800 m
Take-off/Landing	VTOL
Wind Resistance	10.8 m/s - 13.8 m/s (fixedwing); 5.5 m/s - 7.9 m/s (vtol)
Stall Speed	15.5 m/s
Weight	7.4 kg (no battery)
Maximum Take-off Weight	15 Kg (0 - 3000 m)
Maximum Payload	1.2 Kg
Battery	6S 25,000 mAh Lipo Battery x2
Working Temperature	-20°C ~ 45°C

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STARVIEW SDRO-BCE24X VTOL DRONE



DESCRIPTION

SDRO-BCE24X is a perfect platform for mapping and survey. It can do mapping jobs like generating high-precision orthophoto maps and digital elevation models by loading with 3DM V4 oblique mapping camera. SDRO-BCE24X VTOL is operated with 10 km (test in open environment without any obstacles or electromagnetic interference) range GCS, integrated with video/data/rc all in one, which can realize drone control, data and video transmission, route planning, real-time flight status feedback and other functions.

FEATURES

- SDRO-BCE24X VTOL featuring highly advanced aerodynamic design is a long flight time VTOL for survey and mapping.
- Adopting carbon fiber and PMI foam composite material, SDRO-BCE24X VTOL features light weight, high strength and strong anti-interference capability. The aerodynamic design and smooth surface ensure a low air resistance.
- The highlight of SDRO-BCE24X VTOL is the unique Taleron Design, which makes the whole horizontal tail as elevator giving this plane extraordinary agility.
- The SDRO-BCE24X VTOL loaded with 3DM V4 oblique mapping camera can be used to generate high-precision 3D maps and digital elevation models.

Technical specifications**STARVIEW VTOL DRONE**

Model	SDRO-BCE24X
Wingspan	2,400 mm
Length	1,510 mm
Carrying Case (W x D x H)	1,620 x 420 x 460 mm
Material	Carbon fiber
Flight Time	3.5 hours (No payload)
Flight Speed	68.4 Km/h @ 12.5 Kg
Service Ceiling	3,000 m
Take-off/Landing	VTOL
Wind Resistance	10.7 m/s
Stall Speed	15 m/s
Weight	5.1 Kg (No battery)
Maximum Take-off Weight	10 Kg
Maximum Payload	1.6 Kg (Excluding battery)
Battery	6S 16,000 mAh Lipo Battery x2
Working Temperature	-20°C ~ 50°C

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SDRONE-PRO SERIES C

STARVIEW SDRO-C5KMX4P MULTI-FUNCTIONAL TRAINING DRONE



DESCRIPTION

The SDRO-C5KMX4P is a new generation of multi-functional training drone. It is designed for training purposes, offering a cost-effective solution for teaching drone pilots various functions like planning routes, using a gimbal, and understanding drone parameters.

FEATURES

- Built-in megaphone supports max 120 dB volume and max 100 m height, and automatic noise reduction also makes the message clear and authentic.
- High-brightness illuminator under the fuselage allows the users to work in a dark situation. The farthest distance can reach 100 m.
- 2 Axis Stabilization Gimbal: Adjustable 2 axis stabilization gimbal, real-time control of the lens, reduce jitter, and keep the picture stable.
- The SDRO-C5KMX4P also integrates a cargo release hook, which can realize hanging objects remote delivery and airdrop.
- The SDRO-C5KMX4P is equipped with multi-function remote controller, which features better interactive interface and wider map view. It can be used with the upgraded ground-station APP developed based on Tower and QGC for autonomous flights.
- The SDRO-C5KMX4P also equip 20 m laser detector. With 5 cm blind area, 100 Hz measure speed and 20 m range, it can effectively avoid objects under insufficient light or with mirror reflection.
- High-Precision GPS Positioning: Accurate recognition and omni-directional sensing, making flying safer.
- High Strength And Collision Resistance: Upgraded and improved thicken nylon, with strong toughness, using industrial grade sensors, stable and collision resistant.
- Equipped With Brushless Power: Adopts 4 high-speed brushless power motors, which are more powerful than ordinary carbon brush motors and have a longer service life.
- FPV System - Reproduce The Real Vision: Mature gimbal technology, high-definition camera, 5 km long distance digital video transmission technology, showing FPV effects.

- 1080P HD Non-distortion Camera: 1080P true HD distortion-free camera, making the picture more clear and true.
- 5 km Digital Image/Video Transmission: Using with our remote control ground station to realize 5 km ultra-long-distance real-time digital video transmission, and say goodbye to the simulated snowflake screen and reproduce the real vision.
- 28 Mins Durance: The SDRO-C5KMX4P is equipped with a 4,200 mAh large-capacity high-density smart battery. Under no-load conditions, it can achieve a long battery durance of 28 minutes. The smart charging and discharging battery makes it working longer and safer.

Technical specifications

STARVIEW MULTI-FUNCTIONAL TRAINING DRONE

Model	SDRO-C5KMX4P
Controlling Range (No Interference)	5 Km
Wheelbase	450 mm
Unfolded Dimensions (W x D x H)	496 x 496 x 106 mm
Folded Dimensions (W x D x H)	361 x 361 x 106 mm
Flight Speed	43 Km/h
Flight Time	28 min
Service Ceiling	3,000 m
Motor	2312
Number of Axes	4
Propeller	228 mm
Propeller Material	Nylon + Fiber
Arm Material	Nylon + Fiber
Weight	650 g
Battery	3S 4,200 mAh
Battery Voltage	4.35 V
Battery Weight	233 g
Working Temperature	-10°C ~ 50°C

REMOTE CONTROL SPECIFICATIONS

Controlling Distance (No Interference)	10 Km
Battery Life	6 ~ 20 hours
Transmitter Power	20DB@CE/ 23DB@FCC
Frequency	2.400 - 2.483 GHz
Frequency Hopping	FHSS
Charging Voltage	9 V
Channel	12
Model Applications	Copter, fixedwing, multirotor, cars, boat, etc
Upgrade	Online app upgrading
Battery	10,000 mAh
Working Voltage	4.2 V
Dimension (W x D x H)	190 x 152 x 94 mm
Weight	530 g

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STARVIEW SDRO-C60ZMVTOL FPV VTOL DRONE



DESCRIPTION

The SDRO-C60ZMVTOL is a VTOL airplane of tricopter configuration with tilt rotors. This proficient design makes the aircraft highly efficient and easy to fly, minimizing difficulties in aircraft takeoff, landing, and pilot operations.

Strong flight control system and integrated with industrial avionics, the SDRO-C60ZMVTOL is capable of fully autonomous flight, intelligent risk management, multiple safety protection mechanisms, making the flight a pleasant experience.

FEATURES

Top speed up to 110 km/h. Flight range up to 60 km. Flight time up to 60 minutes.

- GPS anti-electromagnetic interference. Patented design of integrated airspeed sensor with GPS receiver Industrial IMU.
- Support multiple analog and digital video. Transmission protocols, such as Mavlink, DJI VTX, Walksnail, etc.
- One-Click Takeoff & Landing. Vertical Take off and Landing. Modular design for quick assembly in less than 3 minutes.
- Support manual flight mode. Support S.BUS and CRSF protocols.
- Professional Ardupilot 4.3 of customized firmware. Support Mission Planer and QGC ground stations.
- The SDRO-C60ZMVTOL features advanced safety protections, including mechanical protection, low voltage protection, speed protection, intelligent tilting protection, loss of control protection, automatic return, altitude protection, and attitude angle protection.
- Experience immersive flight control with FPV goggles, enjoying a real-time video feed of your aircraft's surroundings, complete with detailed flight information displayed on the screen.
- Effortlessly transport and protect your drone with our strong foam box. Quickly assemble in under 3 minutes with our modular design, leaving you more time to fly and enjoy.
- Compatible with various cameras, including AKGOW, GoPro (0.06), and DJI Action/Caddx Sport Cameras of similar structure, dimension, and weight.

Technical specifications**STARVIEW FPV VTOL DRONE**

MODEL	SDRO-C60ZMVTOL
Wingspan	1,200 mm
Length	788 mm
Height	168 mm
Propeller	8x6R; 8x6L; 8x3.8
Maximum Take-off Weight	1.4 Kg
Flight Time	1 hours
Flight Speed	110 Km/h
Flight Range	≤ 60 Km
Motor	2310
Material	Industrial EPP
GPS Position Accuracy	2 - 3 m
One Click Take-off & Landing	Yes
OSD	Yes
Route Planing	Yes
Return to Home	Yes
Battery	4S 5,100 mAh LiPo
Working Temperature	-20°C ~ 50°C

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STARVIEW SDRO-CGA16XMP HEAVY LIFT DRONE



DESCRIPTION

The SDRO-CGA16XMP is a multipurpose heavy-lift platform, features lightweight, high strength and has very good stability. SDRO-CGA16XMP can equip with gimbal camera, searchlights and cargo delivery box for inspection, reconnaissance mission and emergency rescue, etc.

FEATURES

- SDRO-CGA16XMP is made of carbon fiber material which features lightweight and high strength, and only the cover is made of glass fiber.
- The arm of SDRO-CGA16XMP is pluggable, it can be locked with the quick locking hooks. This detachable design makes it easy to transport and quick to set up
- SDRO-CGA16XMP heavy-lift drone is equipped with powerful motors and high efficient 760 mm propellers to ensure long flight time, this heavy-lift drone is able to carry a lot more weight than typical quadcopter.
- SDRO-CGA16XMP is equipped with dual folding landing gear system, it has enough space between the center board and the ground. So this strong body can be equipped with many equipment, like searchlights and cargo delivery box, and can be applied in fields like reconnaissance mission, emergency rescue etc.
- Besides this, SDRO-CGA16XMP also can be used for professional filming and aerial photography, this SDRO-CGA16XMP can load with DJI Ronin 2 gimbal, which is compatible with many mainstream DSLR and professional cameras with cinema grade glass, like RED Dragon, Canon C300 and Sony FS7 etc. The motor and ESC adopt the water-resistant design, and can be applied in different weather conditions. Also the closed fuselage structure can protect SDRO-CGA16XMP from rain and dust, and also make it easy to care for.

Technical specifications**STARVIEW HEAVY LIFT DRONE**

MODEL	SDRO-CGA16XMP
Wheelbase	1,620 mm
Propeller	760 mm
Fuselage Weight	5.8 Kg (With landing gear)
Flight Speed	36 Km/h
Flight Time	≥45 min
Maximum Lifting Speed	5 m/s
Maximum Descent Speed	4 m/s
Maximum Angle of Inclination	45°
Maximum Payload	30 Kg
Hover Precision	Vertical direction: ±0.5 m; Horizontal direction: ±1.5 m
Battery	4x 6S 16,200 mAh
Working Temperature	-10°C ~ 55°C
Service Ceiling	Suggested flight altitude: ≤500 m

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STARVIEW SDRO-CVOY VTOL FPV FLYING WING DRONE



DESCRIPTION

The SDRO-CVoy is an easy-to-operate VTOL flying wing, which can takeoff/landing vertically without a runway. SDRO-CVoy is suitable for both beginners and experts thanks to the well-rounded protection mechanism such as low-vol/RC loss return-to-home, VTOL assisted protection, EMERGENCY FAILSAFE, etc.

FEATURES

- 3-Axis Gimbal & 4K Video: Adopts 3-axis stabilization technology, even when the aircraft shakes in the fixedwing mode, the image can still be guaranteed to be stable and clear; Equipped with a 12 MP camera supporting 4K ULTRA HD at a frame rate of 30 fps, SDRO-CVoy allows you to film your flights with 4K resolution.
- 8 Km 1080P Real-time Image Transmission: With 1080P real-time image transmission from up to 8 km away, never will you miss a frame of the breathtaking sights.
- 1 Hour Flight & 45 Km Range: Thanks to the excellent structure design, the aircraft has an endurance time up to 1 hour and flight range of 45 km. Users no longer have to worry about insufficient cruising time, and can enjoy the happy time to the fullest.
- Immersive Flight Experience: Feel the thrill of immersive flight provided by the HD FPV Goggles (optional), giving you an ultra-smooth, real-time view of your flight.
- Modular Design & Easy to Carry: SDRO-CVoy adopts a modular design, you can assemble everything in 1 minute, and it is super convenient to carry.
- No Site Limit for Takeoff & Landing: SDRO-CVoy adopts a vertical take-off and landing method, which makes it more applicable in usage scenarios, such as mountains, cities, seaside and cliffs.

Technical specifications**STARVIEW VTOL FPV FLYING WING**

MODEL	SDRO-CVoy
Wingspan	1,100 mm
Image Transmission System	8 Km/1080P
Flight Time	60 min
Flight Range	45 Km
Flight Speed	40 - 90 Km/h
Battery	4S 5,500 mAh Lipo
Maximum Take-off Weight	1.75 Kg
Power System	2212 980KV motor + 9060 propellers
CAMERA SPECIFICATIONS	
Image Sensor	1/2.3 inch CMOS
Effective Pixels	12 MP
FOV	80° ~ 100°
Focal Length	24 mm
Aperture	f/2.8
Focus Range	1 m to ∞
Video ISO Range	100 to 3200 (Auto/Manual)
Maximum Photo Size	4000 x 3000 (4:3)
Video Resolution	4K: 3840 x 2160 @24/25/30 fps 2.7K: 2720 x 1530 @24/25/30/48/50/60 fps FHD: 1920 x 1080 @24/25/30/48/50/60 fps
Digital Zoom Range	4K: 2 times; 2.7K: 3 times; FHD: 4 times
SD Card Capacity	≤ 128 Gb
Photo Format	JPEG/DNG (RAW)
Video Format	MP4 (H.264/MPEG-4 AVC)
Gimbal Function	Pitch, roll, center

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STARVIEW SDRO-CVOY VTOL FPV FLYING WING DRONE



DESCRIPTION

The SDRO-EV-POGAS thermal drone is equipped with a 640 x 512 high-resolution thermal imaging camera featuring a 13 mm focal length lens and 16x digital zoom, it is easier than ever to observe distant targets. The system uses a new image processing algorithm, making thermal details clearer and more discernible than other options with similar resolution and hardware.

FEATURES

- Thermal Camera

- **640 x 512 High Resolution:** The SDRO-EV-POGAS infrared camera is equipped with a high-resolution 640 x 512 infrared sensor, allowing for exceptional pixel density to capture more details and thermal information.
- **16x Digital Zoom:** SDRO-EV-POGAS infrared camera boasts a powerful 16x digital zoom capability, enabling users to magnify details without getting close to the target.
- **13 mm Focal Length Lens:** This well-chosen focal length strikes a balance between target size and detail clarity, allowing users to obtain satisfactory infrared images in different application scenarios



- Multiple Temperature Measurement Modes

- **Central, Spot, And Regional Temperature Measurement:**
 - **Central temperature measurement:** View real-time display of the temperature in the center area of the screen.
 - **Spot temperature measurement:** Tap the screen, and the temperature of the selected object will be displayed in real time.
 - **Regional temperature measurement:** Get a dynamic view of the average temperature, maximum temperature, and - minimum temperature displayed in a selected area.

- **Temperature Alarm And Image Enhancement:**
 - Temperature alarm: Monitors the screen temperature in real time. The system prompts the user when the temperature reaches a set threshold.
 - Isotherm: Set a temperature range and the system will detect any objects within the temperature range specified.
 - Image enhancement: Supports real-time adjustment of image brightness, contrast, and image details. The system will highlight any objects within the temperature target.
- **10 Thermal Color Palettes:** White Hot; Cold and Hot; Rainbow; Enhanced Rainbow; Ironbow; Lava; Arctic; Searing; Gradation; Heat Detection.
- **Powerful Infrared Thermal Analysis Tool:**
 - **IRPC TOOL:** This free temperature measurement analysis tool is developed specifically for the thermal camera, and enables users to quickly import images, edit and analyze temperature measurements, and generate detailed reports for sharing and collaboration.
- **Picture-in-Picture Display Mode:** Visual and thermal imagery are combined to help users quickly interpret data and aid in critical decision making

- 50 MP Ultra-Sensitive Camera

The SDRO-EV-POGAS's RYYB sensor features the algorithm that provides excellent noise reduction in limited lighting conditions, further enhancing its 50 megapixel camera to give users more detail for better forensics and analysis.

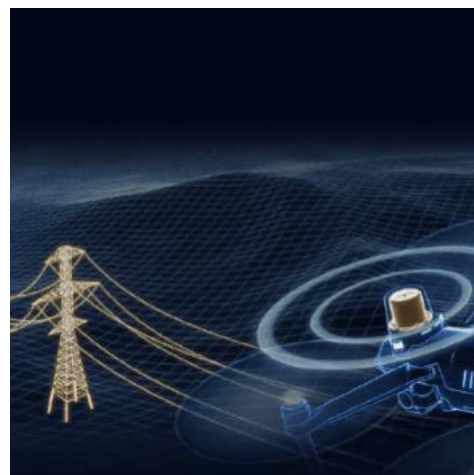
- **0.8" Sensor Size:** The SDRO-EV-POGAS's 0.8" RYYB CMOS offers up to 144% ~ 233% more surface area when compared to 1/2" or 1/2.3" competitors for maximum details in high-contrast lighting conditions.
- **RYYB Sensor Technology:** RYYB sensor technology moves away from RGB cameras by offering up to 40% more light sensitivity in low light scenarios.
- **PDAF + CDAF Autofocus System:** Never lose sights of your subjects with a combination of PDAF (Phase Detection Auto Focus) and CDAF (Contrast Detection Auto Focus) technology for fast and accurate tracking
- **Get The Full Scene:** The system supports 16x digital zoom and 4x lossless zoom, providing long-distance image acquisition and detailed insight into scenes safely.
- **4K HDR for Greater Dynamic Range:** 4K HDR automatically balances overexposure and under exposure when shooting scenes with too much contrast, producing clearer images with more layers.



- Centimeter Level Positioning

Starview SDRO-EV-POGAS introduces a brand-new RTK module, which provides real-time centimeter level positioning data, and supports Post-Processing Kinematic (PPK). The aircraft can record the original satellite observation data, camera exposure parameters and more. The positioning system supports an RTK base station and NTRIP RTK network, which help to achieve accurate and stable data acquisition in complex operation environments.

- **No GCP Required:** SDRO-EV-POGAS can connect to an NTRIP network and does not need GCPs to provide centimeter grade accuracy.
- **3rd Party Base Station Support:** SDRO-EV-POGAS supports all NTRIP-compatible base stations.



- **Photo Replication:** For repeatable missions, you can record the drone's previous shooting parameters. The gimbal, camera, and movement settings will be replicated, allowing missions to be easily duplicated.
- **Multi-Battery Missions:** The Explorer App allows the user to create and save multiple NTRIP profiles for different locations, so they don't have to manually input new a flight plan for every new location.

- **Starview Video Transmission**

Starview Video Transmission is built into the SDRO-EV-POGAS chipset, expanding the possibilities for your most critical workflows.

- **15+ Km:** Do more because you can fly further away.
- **QHD:** Incredible video resolution within a km, meeting most common use cases.
- **2,4 GHz / 5,8 GHz / 900 MHz:** Supports tri-band communication with automatic frequency hopping for maximum anti-interference capabilities. (900 MHz is only applicable for FCC countries.)

- **360° Obstacle Avoidance**

The SDRO-EV-POGAS is equipped with 19 groups of sensors including 12 visual sensors, the main camera, ultrasound, IMUs and other sensors enable building of three-dimensional maps and path planning in real time.

- **AI Enhanced Dynamic Track**

The SDRO-EV-POGAS's smart tracking uses deep learning algorithms to automatically track the selected subject while avoiding obstacles during flight. The function can track the subject in three modes: behind, side-by-side, or fixed position.

- **Auto Go Home & Accurate Landing**

SDRO-EV-POGAS will return home automatically when Low Aircraft Battery Level and Communication Lost. Additionally, SDRO-EV-POGAS's bottom binocular vision camera to create a density depth map.

Then, it calculates the depth map's flatness and angles to ensure an accurate and safe landing.

- **Mission Planner**

Rectangular and Polygon mission planners - Those are going to be great for anybody that's dealing with photogrammetry. So anybody that needs to be able to capture a lot of images in a rectangular mission or polygon mission, you're going to be able to do that in an autonomous fashion. Then you're going to be able to take SDRO-EV-POGAS's images and upload them to your 3D mapping

- **Smart Controller**

Smart Controller's 7.9-inch, 2000 nit high-brightness screen is clearly visible even under direct sunlight. Starview Video Transmission technology guarantees long-distance operations from up to 15 km away and enhances anti-interference abilities with triple-band frequency hopping. The customized Android system allows for additional flexibility with 3rd party apps and an IP43 rating ensures all weather performance.

Technical specifications	SDRO-EV-POGAS
Take-off Weight (With Propellers and Battery)	1,250 g
Maximum Take-off Weight	1,999 g
Unfolded Size (W x D x H)	457 x 558 x 108 mm
Folded Size (W x D x H)	230 x 130 x 108 mm
Wheelbase	397 mm
Maximum Take-off Altitude	7,000 m
Maximum Ascent Speed	8 m/s
Maximum Descent Speed	4 m/s

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Technical specifications	SDRO-EV-POGAS
Maximum Horizontal Flight Speed	20 m/s
Maximum Flight Distance (No Wind)	23 km
Maximum Angular Velocity	120°/s
Maximum Tilt Angle	33°
Maximum Flight Time (No Wind)	38 min
Maximum Hovering Time (No Wind)	33 min
Maximum Resistance to Wind	12 m/s (Take-off and landing)
Working Temperature	-10°C ~ 40°C
Operating Frequency	902 - 928 MHz (FCC Only); 2.400 - 2.4835 GHz; 5.725 - 5.850 GHz
Transmission Power (E.I.R.P)	- 900MB: FCC/ ISCED: ≤31 dBm - 2.4G: FCC/ ISCED: ≤32 dBm; SRRC/ CE/ MIC/ RCM: ≤20 dBm - 5.8G: FCC/ ISCED/ SRRC/ MIC: ≤33 dBm; CE/ RCM: ≤14 dBm
Hovering Accuracy	- Vertical: ±0.1 m (when the visual positioning is working normally); ±0.5 m (when GNSS works normally) - Horizontal: ±0.3 m (when the visual positioning is working normally); ±1.5 m (when GNSS works normally)
GNSS	GPS/ Beidou/ Glonass/ Gallieo
Internal Storage	8 GB
Maximum SD Storage	Support 256 GB (UHS-3 or Class 10)

THERMAL CAMERA SPECIFICATIONS

Sensor	Uncooled VOx Microbolometer
Lens	FOV H33° V26°; Focal length 13 mm
Zoom	1 - 16x
Pixel Pitch	12 μm
Spectral Range	8 μm to 14 μm
Temperature Range	High gain mode: -20° to +150°; Low gain mode: 0° to +550°
Temperature Measurement Accuracy	±3°C or ±3% of reading (whichever is greater) @Environmental temperature -20°C ~ 60°C
Accurate Temperature Measurement Distance	2 - 20 meters
Video Resolution	640 x 512 @25 fps
Video Format	MOV/ MP4 (Support H.264/ H.265)
Camera Resolution	Infrared mode: 640 x 512; Picture-in-picture mode: 1920x1080, 1280x720
Photo Mode	Single shot; Burst shooting: 3/5 frames, 3 is the default; Time Lapse: JPG: 2s/5s/7s/10s/20s/30s/60s
Photo Format	JPG (with irg file)

VISIBLE LIGHT CAMERA SPECIFICATIONS

Sensor	1/1.28"(0.8") CMOS
Effective Pixels	50 MP
Lens	FOV: 85°; 35 mm format equivalent focal length: 23 mm Aperture: f/1.9; Focus range: 0.5 m to infinity (with auto focus)
ISO Range	Video: 100 - 64,000; Photo: 100 - 6,400
Shutter Speed	Photo mode: 1/8,000 ~ 8s; Other: 1/8,000 ~ 1/frame rates
Digital Zoom	1 - 16x (up to 4x lossless zoom)
Maximum Photo Size	8,192 x 6,144 (4:3); 4,096 x 3,072 (4:3); 3,840 x 2,160 (16:9)
Image Format	JPG(default)/ DNG/ JPG+DNG

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VISIBLE LIGHT CAMERA SPECIFICATIONS

Video Format	MOV/ MP4
Video Resolution	3,840 x 2,160 P60/P50/P48/P30/P25/P24 2,720 x 1,528 P60/P50/P48/P30/P25/P24 1,920 x 1,080 P60/P50/P48/P30/P25/P24
Maximum Bitrate	80 Mbps
Supported File System	FAT32/ exFAT

GIMBAL SPECIFICATIONS

Gimbal	3-axis stabilization
Mechanical Range	Tilt: -135° to +45°; Pan: -100° to +100°
Controllable Range	Pitch: -90° to +30°; Yaw: -90° to +90°
Maximum Control Speed (Tilt)	300°/s
Angular Vibration Range	±0.005°

SENSING SYSTEM (OBSTACLE AVOIDANCE) SPECIFICATIONS

Sensing System	Omnidirectional Binocular Obstacle Sensing System
Sensing System Type	Omnidirectional sensing system
Forward	Accurate measurement range: 0.5 - 18 m; Effective sensing speed: <12 m/s Viewing angle: Horizontal: 60°, Vertical: 80°
Backward	Accurate measurement range: 0.5 - 16 m; Effective sensing speed: <12 m/s Viewing angle: Horizontal: 60°, Vertical: 80°
Upward	Accurate measurement range: 0.5 - 10 m; Effective sensing speed: <5 m/s Viewing angle: Horizontal: 65°, Vertical: 50°
Downward	Accurate measurement range: 0.5 - 10 m; Effective sensing speed: <5 m/s Viewing angle: Horizontal: 100°, Vertical: 80°
Left and Right	Accurate measurement range: 0.5 - 10 m; Effective sensing speed: <5 m/s Viewing angle: Horizontal: 60°, Vertical: 50°
Operating Environment	Forward, Backward and Sides: Surface with clear pattern and adequate lighting (lux > 15) Upward: Detects diffuse reflective surfaces (>20%)(walls, trees, people, etc.) Downward: Surface with clear pattern and adequate lighting (lux > 15) Detects diffuse reflective surfaces (>20%)(walls, trees, people, etc.)

REMOTE CONTROLLER SPECIFICATIONS

Operating Frequency	902 - 928 MHz (FCC Only); 2.400 to 2.4835 GHz; 5.725 to 5.850 GHz
Transmission Power (E.I.R.P)	FCC: ≤33 dBm; CE: ≤20 dBm@2.4G, ≤14 dBm@5.8G; SRRC: ≤20 dBm@2.4G, ≤33 dBm@5.8G/5.7G
Max Transmission Distance (Unobstructed, free of interference)	FCC: 15 km; CE: 8 km
Display Screen	2,048 x 1,536 60fps
Battery	5,800 mAh
Working Time	~3.5 hours (Max. Brightness); ~5 hours (50% Brightness)
Charging Time	120 min
Internal Storage	128 GB

BATTERY SPECIFICATIONS

Capacity	7,100 mAh
Voltage	11.55 V
Battery Type	LiPo 3S
Energy	82 Wh
Weight	365 g
Charging Temperature Range	5°C to 45°C

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BATTERY SPECIFICATIONS

Storage Temperature and Humidity	-10°C ~ 30°C, 65 ±20% RH
Recommended Storage Remperature	22 - 28°C
Max Charging Power	90 W
Charging Time	90 min

CHARGER SPECIFICATIONS

Input	AC 100 - 240 V, 50/60 Hz, 1.5 A
Output	13.2 V@ 5 A; 5 V@ 3 A; 9 V@ 2 A; 12 V@ 1.5 A
Voltage	13.2 ±0.1 V
Rated Power	66 W

MULTI-CHARGER SPECIFICATIONS

Voltage	13.2 V
Charging Temperature Range	5°C to 45°C

RTK MODULE SPECIFICATIONS

RTK Positioning Precision	1.5 cm + 1 ppm (Vertical); 1 cm + 1 ppm (Horizontal)
Power	~3 W
Connections	Floating Connectors
Weight	59.5 g
Dimensions (W x D x H)	55.5 x 72.5 x 57 mm

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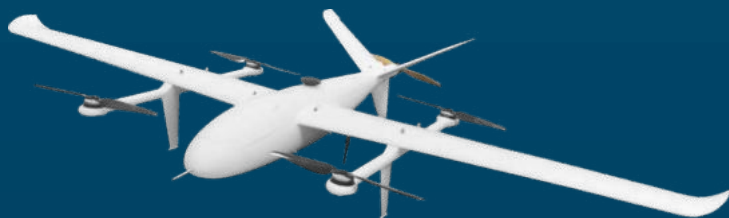
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CONTROLLER



STARVIEW SDRO-CTL-H3X PORTABLE GROUND CONTROL STATION



DESCRIPTION

The SDRO-CTL-H3X is a portable and cost-effective drone ground control station integrating video link, data link, remote control and Android system. It supports a variety of interfaces and has the characteristics of low delay, good anti-interference performance and long transmission distance.

FEATURES

- Qualcomm Android Platform: Powered by the high-performance Qualcomm 660 processor and running on the Android 9.1 system. This powerful combination ensures seamless operation, enhanced functionality, and the ability to run three dimensional maps, providing an unmatched user experience.
- 800 MHz/1.4 GHz/2.4 GHz Frequency Operation: Features three operating frequencies at 800 MHz, 1.4 GHz and 2.4 GHz, delivering stability, low latency, extended range, and exceptional anti-interference capabilities.
- 30 Km Video/Data/RC Transmission Range: Adapts an exclusive data transmission technology, enabling it to achieve transmission distances of 30 Kilometers.
- High-definition Industrial Display: SDRO-CTL-H3X features an impressive 10.1-inch large screen with a high resolution of 1920 x 1200, providing a crisp and clear display. Even under bright sunlight, the screen remains visible and readable, ensuring a seamless user experience outdoors.
- Rich Interface: Supports USB, LAN port, audio, HDMI, TF card, and TYPE-C interfaces, enabling seamless integration with various devices and peripherals. Additionally, the SDRO-CTL-H3X is equipped with a 4G SIM card slot, empowering users with diverse functionalities enabled by 4G connectivity.
- Dustproof and Waterproof: SDRO-CTL-H3X is designed to withstand harsh conditions with its IP67 rated dust and water resistance. With its high structural integrity and robust design, the SDRO-CTL-H3X is well-suited for use in various challenging environments, providing reliability and durability when you need it most.

Technical specifications**SDRO-CTL-H3X****REMOTE CONTROLLER SPECIFICATIONS**

Processor	Qualcomm 660
Operation System	Android 9.1
Display	10.1 Inch Industrial touch screen + sunlight visual screen
Resolution	1920 x 1200
RAM/ROM	4 Gb/ 64 Gb
Touch	Capacitive 10 touch point
Network	RJ45
External Interface	USB x1; 4G card slot x1; LAN port x1; Audio x1; HDMI x1; TF x1; TYPE-C x1
Serial Interface	TCP socket
Charging Port	Type-C
Battery Life	5 hours
Battery Capacity	20,000 mAh
Antenna	Dual antenna / 800 MHz / 1.4 MHz / 2.4 MHz
Working Frequency	800 MHz / 1.4 MHz / 2.4 MHz
RF Power	23 dBm @ CE/FCC
Remote Control Range	> 10 Km
Channel	16
Auxiliary Channel and Quantity	Main joystick x2; Secondary joystick x2; 3-level switch x4; Knob switch x2; Key switch x8
Dimension (W x D x H)	346 x 196.5 x 89.4 mm
Weight	2.24 Kg
Protection	IP65
Working Temperature	-10°C ~ 55°C

RECEIVER SPECIFICATIONS

Working Frequency	800 MHz / 1.4 MHz / 2.4 MHz
Working Voltage	7.2 V
Working Current	12 V/ 300 mA
Serial Output	2 channels
Network Output	2 channels
Remote Control Output	SBUS
Antenna	Dual antenna / 800 MHz / 1.4 MHz / 2.4 MHz
Serial Port Baud Rate	115,200
Air Interface Speed Rate	Single node supports one-way maximum 30 Mbps, two-way maximum 45 Mbps
Dimension (W x D x H)	76.4 x 59 x 15 mm
Weight	65 g
Working Temperature	-10°C ~ 55°C

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STARVIEW SDRO-CTL-DA1X RADIO CONTROLLER



DESCRIPTION

The SDRO-CTL-DA1X radio controller has both datalink and radiolink built inside, and both the datalink and radiolink can reach a range of 8 km.

The SDRO-CTL-DA1X also has the Bluetooth function, which can send the data to your cellphone or laptop, so you can see all parameters or setting on you cellphone or laptop. The signal relay and remote control can be separated during the operation to protect the operator from the extreme hot or cold weather.

FEATURES

- Real-time data return.
- 8 km transmission distance.
- 2.4 GHz working frequency.
- 16 channel multi-functional.
- Integrate with datalink and radiolink.
- Support fixedwings/ helicopters/ multirotors.
- High brightness colorful LCD touch screen.

Technical specifications		SDRO-CTL-DA1X
Transmission Distance		5 Km
Working Frequency		2.4 GHz
Transmitting Radio Power		27 dBm
Channel		16
Dimension (W x H x D)		194.5 x 172.5 x 114 mm
Weight		610 g
Battery		1S 4,000 mAh Lipo
Charging		Micro USB 5V 2A
RECEIVER SPECIFICATIONS		
Signal Output		16-channel S.Bus, 9-channel PPM/PWM
FC Connecting Port		UART
Dimension (W x D x H)		51 x 38 x 14 mm
Weight		22 g
Working Voltage		5V -8.4V
Working Temperature		-10°C ~ 55°C

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STARVIEW SDRO-CTL-DA1X+ RADIO CONTROLLER



DESCRIPTION

The SDRO-CTL-DA1X+ 16-channel radio controller supports fixedwings, helicopters, multirotors etc. The SDRO-CTL-DA1X+ radio controller has both datalink and radiolink built inside, and both the datalink and radiolink can reach a range of 8 km. In order to extend the rc and data transmission range, we released Signal Relay.

902 MHz - 928 MHz Signal Relay is designed to work with radio controller like SDRO-CTL-DA1X+ to achieve the long range requirements. The Signal Relay ground unit is connected to SDRO-CTL-DA1X+ Receiver worked as a signal relay, and can realize max 15 - 40 km communicate range, it also depends on what kind of antenna are you going to use with this Signal Relay. Equipped with Signal Relay and 7 dBi antenna, SDRO-CTL-DA1X+ radio controller can reach max range of 20 km, and with 12 dBi magnetic base antenna the range is about 40 km.

The SDRO-CTL-DA1X+ also has the Bluetooth function, which can send the data to your cellphone or laptop, so you can see all parameters or setting on you cellphone or laptop. The signal relay and remote control can be separated during the operation to protect the operator from the extreme hot or cold weather.

The Signal Relay box has cooling fan for heat dissipation, and also can display the voltage in real time. But please charge the Signal Relay in time to ensure the voltage is not lower than 14V.

FEATURES

- Real-time data return.
- 8 km transmission distance.
- 2.4 GHz working frequency.
- 16 channel multi-functional.
- Integrate with datalink and radiolink.
- Support fixedwings/ helicopters/ multirotors.
- High brightness colorful LCD touch screen.

Technical specifications		SDRO-CTL-DA1X
Transmission Distance		5 Km
Working Frequency		2.4 GHz
Transmitting Radio Power		27 dBm
Channel		16
Dimension (W x H x D)		194.5 x 172.5 x 114 mm
Weight		610 g
Battery		1S 4,000 mAh Lipo
Charging		Micro USB 5V 2A
RECEIVER SPECIFICATIONS		
Signal Output		16-channel S.Bus, 9-channel PPM/PWM
FC Connecting Port		UART
Dimension (W x D x H)		51 x 38 x 14 mm
Weight		22 g
Working Voltage		5V -8.4V
Working Temperature		-10°C ~ 55°C
SIGNAL RELAY SPECIFICATIONS		
Working Frequency		902 MHz - 928 MHz
Weight (Air unit)		60 g
Working Voltage		12 V
Channel		1 - 8
Antenna		5 dBi rod antenna
Working Current		300 mA (12V power supply)
Working Temperature		-20°C ~ 70°C

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STARVIEW SDRO-CTL-MK1X LONG RANGE RADIO CONTROLLER



DESCRIPTION

SDRO-CTL-MK1X is an cost-effective radio controller with RC, video, data and android system all-in-one, featuring 15 km long transmission range and great anti-interference performance.

FEATURES

- SDRO-CTL-MK1X is equipped with a 5.5 inch FHD high-brightness touch screen, the resolution of which is 1920 x 1080, maximum brightness can reach 1000 cd/m2, so it can be used in full sunlight.
- Equipped with two directional antennas, SDRO-CTL-MK1X can easily reach 15 km RC/ Data/ Video communication range; with an embedded android system, it supports most mainstream ground station software like QGC to achieve functions like route planning, real-time flight status feedback etc.
- SDRO-CTL-MK1X radio controller supports both HDMI and Ethernet video input. It can realize dual video streams synchronous display through an FPV hub (option) coupled with Ethernet version cameras, to see two videos from different angles at the same time; It also can realize video sharing by connecting the remote controller and monitor with an HDMI cable.
- SDRO-CTL-MK1X radio controller has a built-in 10,400 mAh li-ion battery, the operation time is up to 12 hours with full capacity. It supports 25 W fast charge.
- SDRO-CTL-MK1X is a portable and easy to use radio controller suitable for long range inspection, survey and mapping missions.

Technical specifications**SDRO-CTL-MK1X**

Transmission Distance	15 Km (unobstructed, free of interference)
Channel	13 physical switches and 16 channel outputs
Supported Drone Type	Multirotor/ Fixedwing/ Glider/ Helicopter
Supported Flight Controller	Open source PIX, APM, Paladin V2, JIYI K3A K++

REMOTE CONTROLLER (GROUND UNIT) SPECIFICATIONS

Display	5.5-inch 1920 x 1080, 1000 cd/m ² Display LCD Touch screen
Dimension (W x D x H)	189 x 138 x 41 mm
Weight	850 g
Battery	2S 10,200 mAh 7.4V Li-on
Battery Life	12 hours
Battery Ambient Temperature	-0°C ~ 55°C
Fast Charge	PD, support maximum 30 W
Charging Time	3.2 hours (30 W fast charge); 4.5 hours (20 W fast charge)
Interface	Charge: Type-C; Firmware Upgrade: DATA (4-Pin); Mobile Network: SIM Card Slot
Protection	IP53
Working Temperature	-10°C ~ 55°C

RECEIVER (AIR UNIT) SPECIFICATIONS

Signal Output	16 channels of SBUS; 5 channels of PWM
Interface	S.BUS: 3-Pin; Datalink (to FC): UART 4-Pin; PWM Channel 1-5: 6-Pin; Video Output: 8-Pin Firmware Upgrade: Type-C
Video Input	Ethernet; HDMI
Dimension (W x D x H)	70 x 55 x 16 mm (Antenna Excluded)
Weight	100 g (Antenna Excluded)
Antenna	5 dBi
Working Voltage	25.2 ~ 58.8 V (6S ~ 14S)
Working Temperature	-10°C ~ 55°C

CAMERA & SEARCHLIGHT SPECIFICATIONS

FOV	120°
Dimension (W x D x H)	106 x 25 x 41 mm
Weight	108 g
Searchlight Power Consumption	8 W
Luminous Flux	1 W / 120 ~ 140 lm
Searchlight Type	Pervious to light
Beam Angle	120°
Protection	IP67
Working Temperature	-10°C ~ 55°C

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STARVIEW SDRO-CTL-GS7XU2 DUAL-SCREEN GROUND CONTROL STATION



DESCRIPTION

SDRO-CTL-GS7XU2 is a compact and rugged ground control station, which has an intuitive user interface and can realize long range video and data transmission.

FEATURES

- The portable GCS has a built-in computer that integrates with the GCS software and can be used for all stages—from planning to controlling the mission. The built-in computer features Intel i7-7500U processor, DDR4 16 Gb and 256 Gb SSD, supports Windows 7/Linux system.
- The two 13.3" FHD TFT LCD featuring 1920 x 1080 resolution and 1000 nits brightness can display both real-time videos and moving maps. The screen brightness is adjustable.
- Compatible with different video/data transmission module, such as VD-Pro, VDC, can realize 15 ~ 150 km long range video/data transmission. (Optional)
- SDRO-CTL-GS7XU2 supports multiple interface and button, including LAN x1, HDMI x1, USB x4, WIFI/4G x2, SIM x1, custom button x8; Internal reserved interfaces for secondary development: RS232 x1, USB x1, HDMI x1, LAN x1, SMA x5.
- The integrated power distribution system provides 5 V DC and 12 V DC power outputs for the equipment in the electronics compartment as well as external devices that are used in conjunction with the GCS.
- The GCS is housed in a rugged aluminium case which makes it ideal for use in harsh environments. With a built-in 13,400 mAh li-ion battery, the operation time is up to 6hours with full capacity.

Technical specifications**SDRO-CTL-GS7XU2**

Processor	Intel I7-7500U
Battery	6 hours
RAM	8 Gb DDR4
ROM	256 Gb SSD

LCD SPECIFICATIONS

Display	2x 13.3 inch FHD TFT LCD
Resolution	1920 x 1080
Color	16 million
Display Area	293.472 x 165.078 mm
Brightness	1000 nits

TOUCH SCREEN

Upper Screen	Optional resistive touch screen
Lower Screen	Capacitive touch screen

BUTTON

Screen Adjustment	Brightness/Source
Customized Keys	8
Numeric Keypad	1
Twist Switch	/
Two-axis Rocker	3

I/O INTERFACE

Network Port	2
USB	5
HDMI	2
SIM	1
Power Input	DC 19 V
SMA Antenna	5 pcs (Reserved)
Wifi/4G	2 pcs

INTERNAL RESERVED INTERFACE

Internal Reserved Space For Secondary Development (244.5 x 164.5 x 31 mm)	1x RS232/ DC 5 V/ DC 12 V/ 1x USB port/ 1x HDMI/ 1x LAN
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ENVIRONMENTAL SPECIFICATIONS

Working Temperature	-20°C ~ 50°C
Storage Temperature	-30°C ~ 60°C
Relative Humidity	20% ~ 80% @ 40°C (No condensation)

INSTITUTIONAL SPECIFICATIONS

Front Panel Grade	Aluminum alloy, hard anodizing and sand-blasted
Panel Color	Grey
Dimension (W x D x H)	429 x 290 x 88.6 mm
Weight	7.8 Kg
Operating System	Windows/Linux

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STARVIEW SDRO-CTL-GS7XU3 GROUND CONTROL STATION



DESCRIPTION

The SDRO-CTL-GS7XU3 cutting-edge ground control station with a unique triple-screen/dual-screen setup, designed to revolutionize your drone operations

FEATURES

- Powered by an Intel Core i7-7500U processor, this ground control station delivers exceptional performance, ensuring smooth and efficient operation.
- With 16 Gb of RAM and a spacious 512 Gb SSD, you'll have ample storage and memory to handle data intensive tasks seamlessly.
- With three/two 15.6 inch screens, the operator can view multiple data sets simultaneously, making it easier to monitor and control the drone's flight. For example, the main screen can display the drone's camera view, while the secondary screen can display telemetry data and the third screen can display additional data or software applications.
- Equipped with a keyboard, touch mouse, this ground control station offers intuitive control, ensuring precise and effortless operation.
- The SDRO-CTL-GS7XU3 designed with a dedicated space for video transmission module installation, giving you the flexibility to pair it with your preferred video transmission system. Whether you need long-range transmission capabilities or specialized features, SDRO-CTL-GS7XU3 GCS provides the versatility to accommodate your needs.
- SDRO-CTL-GS7XU3 features a removable battery design, specifically engineered to provide convenience in transportation and storage.
- SDRO-CTL-GS7XU3 Triple-Screen/Dual Screen GCS is the ultimate tool for operators seeking advanced features, robust performance, and unmatched versatility.

Technical specifications**SDRO-CTL-GS7XU3**

Processor	Intel I7-7500U
Graphics	Integrated graphics
RAM	16 Gb DDR4
ROM	512 Gb SSD

LCD SPECIFICATIONS

Display	2x/3x 15.6 inch FHD TFT LCD
Resolution	1920 x 1080
Color	16 million
Display Area	344.16 x 193.59 mm
Brightness	1000 nits

I/O INTERFACE

Network Port	2
USB	4
HDMI	1
DP	1
Audio	1
Power Input	DC 19 V
Wifi	2
Transmission Antennas	5 SMA

ENVIRONMENTAL SPECIFICATIONS

Working Temperature	-20°C ~ 55°C
Storage Temperature	-25°C ~ 70°C

INSTITUTIONAL SPECIFICATIONS

Front Panel Grade	Aluminum alloy
Panel Color	Grey
Dimension (W x D x H)	428 x 334 x 128 mm (Triple screen version) 428 x 334 x 109 mm (Dual screen version)
Weight	14 Kg (Triple screen version) 11 Kg (Dual screen version)
Carrying Case (W x D x H)	610 x 390 x 280 mm
Operating System	Windows/Linux

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