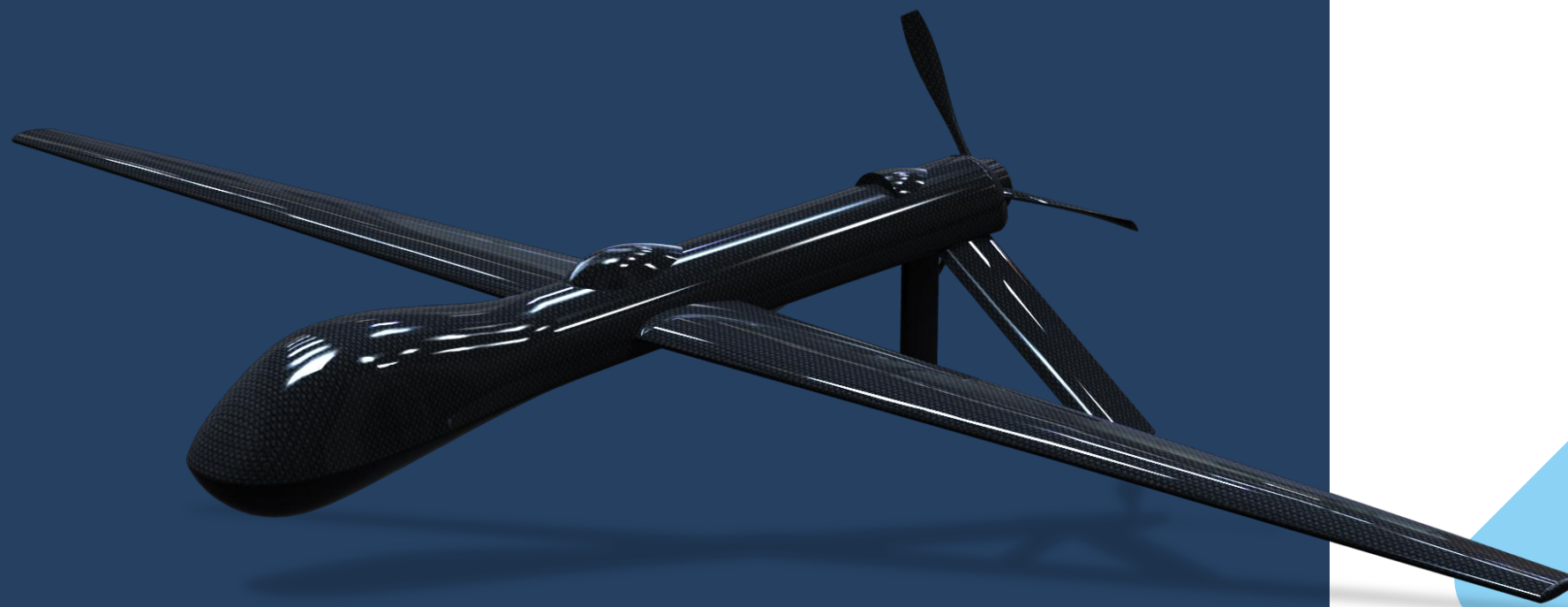


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UAV platform

Provide customized services

Multi-functional six-rotor series UAV

QLY-6M



This is an industrial-grade six-rotor UAV. The drone body is made of carbon fiber with light weight and the arm adopts a convenient and safe plug-in structure. The whole machine is rainproof and dustproof, and has super load capacity. It can be equipped with different mountings including speaker, infrared zoom cameras, and tilting camera system, it can provide services for different industries such as public security, fire protection, and electric power in complex environments.

Technical parameters

Wheelbase	1600mm	CommunicationFlight mode	5km~10km
Overall height	510mm	Wind resistance	12m/s (Grade6)
No load weight(without battery and blade)	6.6kg	Working Temperature	-20℃~60℃
Maximum payload	≤10kg	Return mode	One click automatic return/ Low battery automatic return
Maximum takeoff weight	22kg	Protection grade	IP54
No-load flight endurance	85min		
Mounted endurance time	46min (4.8kg)		
Cruising speed	0~12m/s		
Altitude ceiling	5000m		

Mission Payload



High altitude loudspeaker

QLY-GH-02



Tracking light

QLY-T-01



Thrower

QLY-PT-30



30x Laser night vision PTZ camera

QLY-L-30TN

Multi-functional bird repellent drone

QLY-6M-QN



The QLY-6M-QN bird repelling drone adopts a carbon fiber integrated body, equipped with high-definition cameras and bird repelling modules, which can reduce the harm of birds to flight safety and agricultural and forestry production. It can be remotely operated through networking and will not cause harm to birds. It is suitable for scenarios such as airports, chemical plants, and fish ponds, and is an environmentally friendly and green tool for modern bird control.

Technical parameters

Wheelbase	1200mm	Amplification distance	450m(calm)/550m(downwind)
No load weight(without battery and blade)	5.5Kg	Tweeter	100W/group(2group) Ultrasonic horn: 75W/group(4group)
Propeller type	Quick release	Spotlight	10W/group(4group) 360°rotating strobe spotlight: 5 groups 50W/ group
Takeoff weight	≤15kg		360°Laser light: 28 groups +1 group laser tape
Bird repellent volume	110db±5db		
Supply Voltage	24V	Hd camera	300,000 pixels F=3.6mm
Mounted endurance time	46min(load 4.8kg)		
Altitude ceiling	2000m		
Working Temperature	-20℃~60℃		

Mission Payload



Bird repeller

QLY-QN-02



High altitude loudspeaker

QLY-GH-02



Handheld all-in-one remote control

QLY-S-30

UAV platform

Provide customized services

Commercial six-rotor UAV

QLY-6X520



This is an industry-grade six-rotor UAV specially developed for commercial purpose. It is a reliable, powerful and foldable UAV flight platform, adopts a long-endurance integrated package solution. The QLY-6X520 UAV is also a multipurpose tool for search and rescue teams, patrol personnel, police, firefighters and survey teams, and it plays an important role in various industries.

Technical parameters

Wheelbase	520mm	Maximum descending speed	5m/s
No load weight(without battery and blade)	1856g	Maximum horizontal speed	18m/s
Propeller type	Quick release	Working Temperature	0°C~40°C
Flight endurance	30min	Protection grade	IP56
Max flying height	500m		
Max rotation rate	120°/s		
Max roll angle	35°		
Altitude ceiling	5000m		
Max climb speed	7m/s		

Mission Payload



30x Two-axis dual-optical tracking pod
QLY-NEO-30S



Dual screen earth station
QLY-DMS01



UAV tether equipment
QLY-X5C

Large payload UAV

QLY-ZA-30



The QLY-ZA-30 payload drone frame is formed in one, the structure is simple, the strength is high, with very good durability and reliability. which max load is 30kg. The arm adopts cross staggered folding mode to minimize the folded size and convenient transportation. Multi-model collocation to meet the different needs of customers. The whole machine is waterproof, waterproof level reaches IP65, can be directly washed with water

Technical parameters

Wheelbase	2000mm	Communication distance	5km~10km
No load weight(without battery and blade)	11.5kg	Wind resistance	12m/s (Grade 6)
Overall height	900mm	Flight mode	automatic, semi-automatic
Max load	≤30kg	Work temperature	-20°C~60°C
Maximum takeoff weight	80Kg	Return mode	One click automatic return; Low battery automatic return
No-load flight endurance	15min	Protection level	IP65
Mounted endurance	6min (30kg)		
Cruising speed	0~12m/s		
Altitude ceiling	4500m		

Mission Payload



Cable pay-off device
QLY-FX-01



Dual screen earth station
QLY-DMS01

UAV platform

Provide customized services

Multi-functional six-rotor series UAV

QLY-DZA-50S



This is made of carbon fiber, aluminum alloy composite material, which has modular structure design, simple operation, convenient, strong industry application. with in the same level of long flight time, flight stability and other characteristics, emergency rescue operations more reliable.

Technical parameters

Wheelbase	2313mm	Working Temperature	-20℃~50℃
Empty weight	32Kg	Cruising speed	36km/h (10m/s)
Body material	Carbon fiber	Altitude ceiling	≥4000m
Disassembly structure	Folding quick release structure for fuselage and arm		
Max takeoff weight	117kg		
Max load	50kg		
Height	950mm		
Wind resistance	Grade 6		

Mission Payload



Air Hunter

QLY-R-95



Mortar bomb thrower

QLY-PT-JY06



Handheld all-in-one remote control

QLY-S-30



Mini four-light tracking pod

QLY-NEO-40S



Ground station

QLY-DMS-02

Tandem carriage drone

QLY-DZS-07



This is a large load, long flight duration, high transport efficiency twin rotor unmanned helicopter. This tandem twin-rotor unmanned helicopter can be used for material transportation, fire fighting, emergency communication in case of disaster and other scenarios, it provide more possibilities for practical applications.

Technical parameters

Size	4250×1695×1030mm	Wind resistance	Grade 6
Rotor diameter	5741mm	Altitude ceiling	6500m
Flight duration	1h (net load 210kg, 40L gasoline)3.5h(net load 150kg, 120L gasoline)		
Effective work radius	100km (support machine to machine relay 300km)		
Max Take off weight	≤600kg		
Max load	≤210kg		

Mission Payload

UAV platform

Provide customized services

Tandem wing drones

QLY-CL02



Tandem wing UAV is made by carbon fiber and glass fiber composite materials , light weight、high strength. After hundreds of test flights, easy to oper ation, strong and reliable.Long endurance :15hours with 5kg load.The novel tandem wing more longer endurance with more payload . it can be used for detection & attack in one equipment. Ship-based, mapping, logistics and fire protection etc . scenarios

Technical parameters

Size	2020×696×3744mm	Altitude ceiling	5000m
Wing length	2820mm	Wind resistance	Taking off level 5, cruising level 6
Engine	Gasoline	Transportation	2120×900×640m (60kg) box
Max load	18kg (payload & gasoline)	Fuel tank	10L/15L
Max takeoff weight	40kg	Work temperature	-20℃~50℃
Level speed	24~40m/s	Protection level	IPX4
Mounted endurance time	15h@5kg 10h@8kg		
Cruising speed	25m/s		

Mission Payload



30x Two-axis dual-optical tracking pod
QLY-NEO-30S



Ground station
QLY-DMS-03

Vertical takeoff and landing fixed wing series UAV

QLY-FY-01



The QLY-FY-01 is a pure electric vertical for the lightweight fixed-wing UAV market Takeoff and landing fixed wing,all parts are made of carbon fiber materials,modular design,can be 1 minute rapid deployment,equipped with standard quick disas sembly system,can change loads quickly according to any need.Products support visible light,double light,red external,orthographic camera,five-lens tilt camera and other mission systems.Product is used for surveying and map-ping, security,inspection and other industries.

Technical parameters

Wing length	2500mm	Altitude ceiling	4000m
No load weight(without battery and blade)	4kg	Communication distance	15km
Overall height	300mm	Wind resistance	12m/s (Grade 6)
Max load	2.2kg	Work temperature	-20℃~60℃
Max takeoff weight	13.5kg	Return mode	Automatic return by one button; Low battery automatic return
No-load endurance time	210min		
Mounted endurance time	150min(2.2kg)		
Cruising speed	0~27m/s	Protection level	IP56

Mission Payload



Mini four-light tracking pod
QLY-Q-40TM



Ground station
QLY-DMS-02

UAV platform

Provide customized services

The UAV tethered system provides a secure power supply and communication link for the UAV through tethered cables. The UAV can stay in the air for a long time at an altitude of 100 meters /150 meters, and the height can be customized according to the specific application. The system can be powered by mains or generators, and provides power to the drone and its payload.

UAV TETHER EQUIPMENT QLY-X5C

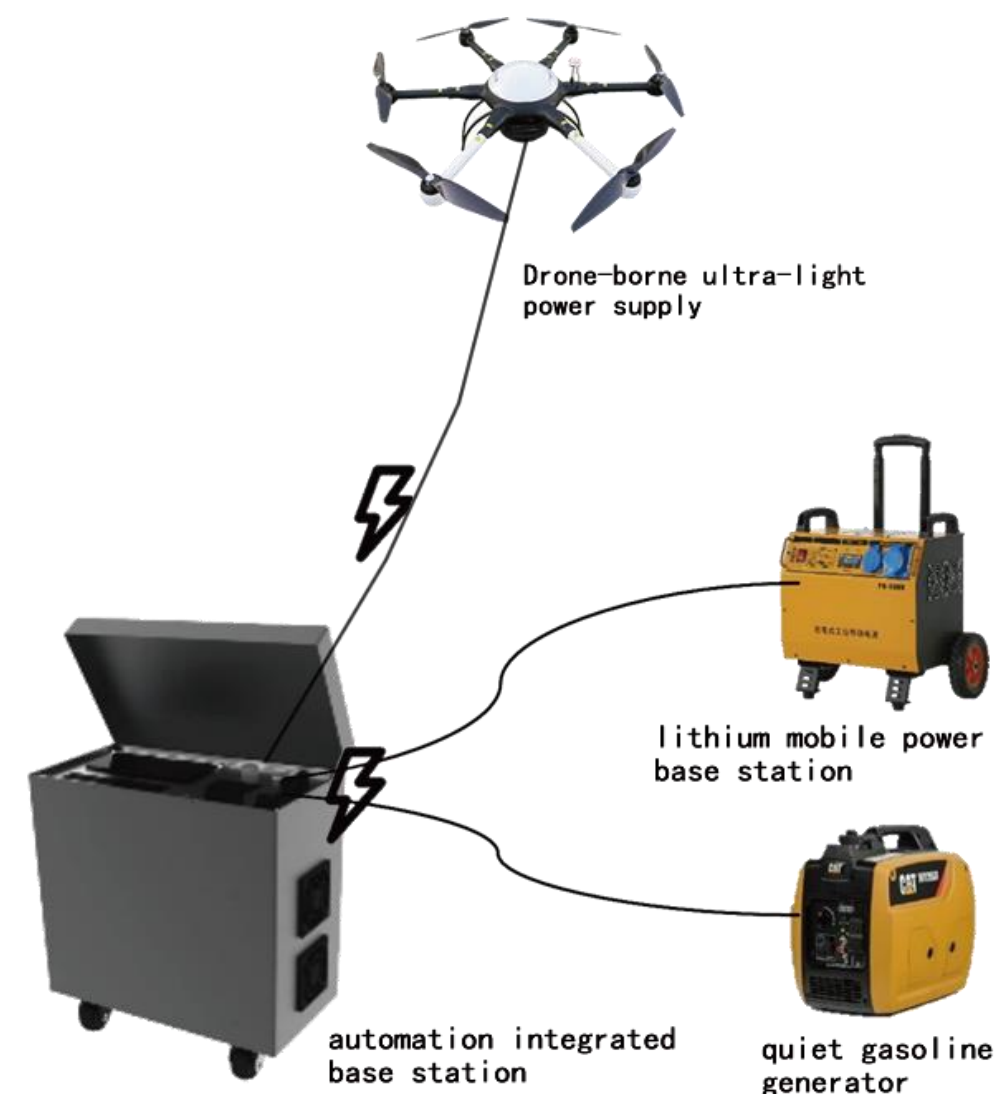


Technical parameters

External dimension	46x26x41.5cm
Overall weight	22kg
Rated input	220V AC $\pm 10\%$ 50Hz/60Hz
Rated output	420V DC / 5.5KW
Max take-off	100m/150m

Feature Function

Automatic voltage compensation, automatic over-current protection Anti-reverse electromotive force, more safety landing Isolation design to prevent electric shock With lifting rod, cable does not mop the floor Low current alarm to prevent explosion Base station 485 communication, real-time display data



Multi-purpose mounted

- Aerial photography pod
- Mapping pod
- Special pod for environmental monitoring
- throw & launch pod
- Sound and light pod
- Communication replay pod

Ground station

Handheld all-in-one remote control QLY-S-30



QLY-S-30 is a single soldier handheld data transmission monitor system that integrates remote control, data transmission and ground station. S-30 has high integration and volume small, easy to operate, multi-channel adjustable, double S-BUS output etc characteristic. operating in 840MHz, 915MHz, 1.4GHz, 2.3-2.5GHz frequency bands, can provide a stable data transmission at a distance of 3-30km according to different versions and environments . Widely used for industrial UAV control and data transmission.

Technical parameters

Size	364×190×40mm	Operation system	Windows 10
Weight	2100g	Work temperature	-10℃~60℃
Number of channels	23		
Controlled distance	≥10km		
Endurance time	3 hours with full loading		
Display screen	10.1 inch		
Resolution ratio	1280*800		
Memory	8GB		
Storage capacity	64GB/128GB(optional)		

Dual screen earth station QLY-DMS-01



QLY-DMS-01 earth station is a new generation of multifunctional, highly integrated and portable industrial grade integrated double screen earth station. It integrates image transmission system, digital transmission system, hand-held remote control, image display system and industrial notes all functions which are made of aviation aluminum alloy shell, and the weight is only 5.98KG. Except 4 groups of rockers available, also support traditional RC remote control access remote control, increase HID channel remapping, Programmable multistate soft switch. Complete external input and output interfaces are more convenient to access third-party equipment, and more convenient to adapt UAV, unmanned vehicle, robot and other UAV equipment.

Technical parameters

Size	354×280×80mm	Operation system	Win7 / Win10 / Linux
Weight	5980g	Work temperature	-20℃~60℃
Operating frequency	800MHZ/902-920MHZ /1.4GHZ/2.4GHZ/2.5GHZ		
Number of channels	27		
Remote control distance	5km~10km		
Display screen	12.1inch/13.3inch		
Storage capacity	256GB		

Ground station

Ground station

QLY-DMS-02



QLY-DMS-02 professional simulation ground station adopts imported military pull rod Case, three-proof design, protection level up to IP67. Professional simulation flight control system, built-in control rocker, open the cover for use. The ground station has built-in fluid the crystal screen receives and displays a variety of important flight data in real time.

Technical parameters

Cover size	730×500×320mm	Processor	i7-5500u
Weight	25KG	Hard disk	128G
Shell material	PVC Composite	Memory	4GB
Protection level	IP67	I/O interface	USB、RJ45、RS232、HDMI
Work temperature	-10°C~50°C	Operation system	Windows 10
Display resolution	1080*1920	Display image	Hd 10KM supports 1080P
Screen ratio	16:9	transmission	
Type of backlight	LED	Signal effective	2.4gFCC 7km CE 4km
Max brightness	1000nit (automatic induction regulation)	distance	433FCC 60km CE 40km
Support format	1080p	Endurance time	Medium use for 4 hours
Input interface	HDMI	Charge mode	220V power adapter
Battery protection	Over current/over temperature/over voltage/low voltage protection		
Interface support	USB/HDMI/SDI/AV/PPM/RJ45/VGA/RS232/DC		
Remote-control lever	X and Y axis are equipped with 16-bit Hall effect sensors and adjustable spring tension system		
Throttle	The throttle lock can combine the control dual throttle into a friction force adjustment system to adjust the push and pull force of the throttle and control the UAV speed		
Display allocation	Dual-channel HDMI display on the same screen, picture in picture display, master and deputy switch		

Ground station

QLY-DMS-03



QLY-DMS-03 dual screen ground station is suitable for long endurance, high brightness screen, long distance UAV flight tasks, The left and right screens are used, The left side shows the status of the flight, flight parameters, air route. The right side shows HD image information. Configuration is long-distance communication system, high-definition image transmission system, independent high-definition display screen, Hall high precision remote pole, industrial water proof metal keyboard, etc. It is a reliable UAV ground control platform.

Technical parameters

Box type	Three defense safety case	Processor	i7 6700T
Cover size	977×417×156mm	Hard disk	512G
Overall weight	20KG	Memory	16GB
Shell material	PVC composite	I/O interface	USB、RJ45、RS232、HDMI
Protection level	IP67	Operation system	Windows 10
Work temperature	-10°C~60°C	Display content	Voltage, current, Left capacity, power, etc
Display resolution	1920*1080	Endurance time	use for 4 hours
Screen ratio	16:9	Charge mode	220V power adapter
Bakelight Type	LED	Panel material	3K carbon fiber
Max brightness	1000nit (utomatic induction regulation)		
Support format	1080p		
Input interface	HDMI		
Remote-control lever	Visible light switching, throwing, ranging modes, etc		
Key	Taking photos, recording, returning to the center, tracking and recording, etc		
Interface support	USB*2/RS232*1/DCIN/HDMI/RJ45(Capping waterproof)		
Managementsystem	Over current, over voltage, low voltage, over capacity, over power protection		

Mission payload

Mounted camera

10x laser night vision PTZ camera

QLY-L-10TN



QLY-L-10TN laser night vision PTZ camera adopts shock absorption and PTZ integrated design, which can greatly reduce mechanical vibration, and it can achieve horizontal, roll and pitch three directions of increased stability. The device is mainly equipped with 10x optical zoom camera, high-precision three-axis enhanced stability pod, tracking module and night-vision laser compensator.

Technical parameters

Size	129.8×117.1×124.9mm	Target tracking	support
Weight	543g	Work voltage	4s~6s
Image sensor	1/3"CMOS	Total pixel	2.48million
Output mode	1080p micro HDMI/IP	Local storage	128G (Max)
Control mode	UART / PWM / PPM / S.BUS / TCP / UDP	Laser fill light distance	300m
Optical zoom	10x optical zoom,f=5.1~51mm		

30x laser night vision PTZ camera

QLY-L-30TN



QLY-L-30TN laser night vision PTZ camera adopts shock absorption and PTZ integrated design, which can greatly reduce mechanical vibration, and it can achieve horizontal, roll and pitch three directions of increased stability. The device is mainly equipped with 30x optical zoom camera, high-precision three-axis enhanced stability pod, tracking module and night-vision laser compensator.

Technical parameters

Size	153.7×141.9×145.8mm	Target tracking	support
Weight	778g	Work voltage	4s~6s
Image sensor	1/2.8" SONY CMOS	Total pixel	2.13million
Optical zoom	30x, f=4.3mm~129.0mm	Local storage	128G (Max)
Output mode	1080p micro HDMI/IP	Laser fill light distance	500m
Control mode	UART / PWM / PPM / S.BUS / TCP / UDP		

Mini four-light tracking pod

QLY-Q-40TM



QLY-Q-40TM integrates visible light, thermal imaging, laser ranging and light illumination. Through the linkage with data link, command system and other equipment, to realize information sharing and rapid response , it can be used for visual field reconnaissance, search and rescue, monitoring and infra structure inspection.

Technical parameters

Size	95.5×86.7×135.6mm	Image sensor	CMOS
Weight	505g	Target tracking	support
Control mode	UART / S.BUS/TCP	Work voltage	12V
Visible light lens1	7.2mm focus distance	Output mode	IP
Visible light lens2	25mm focus distance	Local storage	128G (Max)
Resolution and frame rate	1920*1080@60fps		
Thermal imager1	640*512@60fps,13mm focus distance, 12μm		
Thermal imager2	640*512@60fps,35mm focus distance, 12μm		

30x two-axis dual-optical tracking pod

QLY-NEO-30s



QLY-NEO-30s is a dual-axis dual-optical tracking pod which adopts shock absorption and PTZ integrated design,It supports visible light zoom, thermal image picture-in-picture switch, multi-color plate switch and target tracking video etc. The equipment has good stability, small size, all-weather and multi-task use.

Technical parameters

Size	127×122×201mm	Total pixel	2.13 million
Weight	1159g	Local storage	128G (Max)
Tracking speed	32 pixels /frame	Work voltage	12V
Optical zoom	30x, f=4.3mm~129.0mm		
Image sensor	1/2.8 inch Exmor R CMOS		
Control mode	UART/PWM/PPM/S.BUS/TCP/UDP		
Output mode	1080p micro HDMI / IP / SDI		
Thermal imager	640*480,25mm焦距, 25Hz, 17μm		

Mission payload

Professional equipment

Imaging hyper-spectral camera QLY-HSI-20

Technical parameters

Size	255×138×107mm
Weight	<2.8kg(without lens)
Image resolution	1920*1920
Imaging speed	≤5s
Spectral range	400-1000nm
Spectral resolution	2.5nm
Data interface	USB3.0
Power supply mode	Battery supply



Imaging hyper-spectral camera HSI-20 adopts transmission grating spectroscopic module with high diffraction efficiency and high-sensitivity surface array camera, combined with built-in scanning imaging, automatic focusing and auxiliary camera technology, which solves the difficult operation problems of traditional hyper spectral camera, such as external push scanning imaging mechanism and complex focusing. It can be directly integrated with the imaging lens or microscope with standard C interface to realize the rapid acquisition of spectral images.

Gas detector QLY-QT-14

Technical parameters

Size	228×140×50mm
Weight	500g
Power supply	12V
Detection range	Temperature, humidity, CO2, PM2.5, PM1.0, PM10 and H2S、NO2、SO2、CH4、O3;etc
Data transmission mode	4G/ data transmission
Working temperature	-30℃~60℃



QT-14 gas detector is mainly used to detect the temperature, humidity, CO2, PM2.5, PM10 and H2S,NO2, SO2 ,CH4、O3 and other related gas concentration data in the environment. It can view the detection data in real time, view the historical data, view the flight path on the map, and compare the data at different times in the same place.

Water extraction device QLY-QS-1.5Pro

Technical parameters

Size	170×160×200mm
Weight	1650g
Barrel diameter	160mm
Capacity	1.5L (customizable capacity)
Wire length	5m
The height of the water	1m~2m
Retraction time	≤20s
Power consumption	40W (Maximum)
The supply voltage	24V
Control mode	PWM/SBUS



QS-1.5 UAV water extraction device is well made, unique structure design, and made of corrosion-resistant high synthesis materials. Water samples can be automatically taken from rivers, rivers and other areas by the mounted UAV to improve the efficiency of water sample collection.

Mechanical gripper QLY-ZS-035

Technical parameters

Arm extension range	0.35m~1m
Weight	3000g
Load	≤15kg
Accuracy	±1°
Maximum speed	90°/s
Flexibility	21muscle,3freedom
Environmental resistance	IP55



The ZS-035 mechanical gripper is driven by precise air pressure and can grasp, transfer, adsorb, and drop objects in sensitive, fragile, limited space, and unknown complexity environments. It is water and dust resistant, and can freely turn, flexibly adapting to different types of drones.

Mission payload

Professional equipment

Tracking light

QLY-T-01

Technical parameters

Size	95mm×80mm×35mm
Lamp holder	120mm
activity radius	
Weight	430g
Voltage	12V~24V
Power	90W
Range	400m~800m
Light on	9000lm
Adjust the Angle	0°~90°



QLY-T-01 tracking light is mounted 4 inch round 9 bead LED remote spot light which developed by Clair-voyan Aviation for inspection UAV. The product is equipped with germany original imported lamp beads, irradiation distance can reach 400~800 meters, Which can be widely used in patrol inspection, disaster prevention ,emergency monitoring and other areas.

High altitude loudspeaker

QLY-GH-02

Technical parameters

Total weight	800g
Loudspeaker	100W
power	
Mounted terminal	12V~24V
voltage	
Ground terminal	7.4V
voltage	
Product volume	110db±5db
Amplification	No wind:450m /
distance	Downwind:550m



GH-02 loudspeaker is a newly developed UAV mounted loudspeaker, Small volume, light weight, independent module and easy installation. With full frequency band automatic scanning receiving function, regardless of frequency point arbitrary reception. suitable for air defense, firefighting, search and rescue, patrol etc.

Thrower

QLY-PT-30

Technical parameters

Size	202mm×35mm×45mm
Weight	300g
Pull space	8mm×10mm
Pulling load	15kg
The max opening	1s
Control mode	PWM/SBUS



The PT-30 mounted thrower has the advantages of small size, light weight and heavy load with strong structure, it greatly improve the load capacity. mounted device is compatible with PWM/SBUS signal control, to improves the compatibility.

Bird repeller

QLY-QN-02

Technical parameters

Size	260mm×260mm×210mm
Weight	2500g
Effective working	150m~300m
radius	
Bird repelling	Loudspeakers:100W/set (2sets)
horn	Ultrasonic horn:75W/set (4sets)
Spotlight	
Flash lamp	10W/set(4sets)
Laser light bands	50W/set(5sets, 360°rotation)
HD camera	28+1 sets(28*10mW)
	300,000 pixels F=3.6mm



QLY-QN-02 is a self-developed and produced drone-mounted bird repeller. It consists of loud-speaker, ultrasonic speaker, camera, 360°rotating strobe spotlight and others. It works at day and night, is suitable for all kinds of bird repellent occasions. It is compatible with various types of flight platforms in the market.

Mission payload

attack equipment

Impact window breaker

QLY-WJFS-01



Technical parameters

Size	400×200×200m
Net weight	5kg
Material	Aviation aluminum, carbon fiber, stainless steel
Launch mode	Rebound pin strike
Caliber size	38mm
Range Distance	100m
Loading capacity	6pcs

Drone mounted impact window breakers can deal with emergency rescue missions. When the high building has fire rising, it is often blocked by the glass curtain wall, which can be broken. It is used in a police strike scenario, and it can break the window of a crime scene so that the police can enter and control the situation.

Power supply mode	Airborne power supply
Work voltage	DC 12-28V
Control mode	Independent remote control PWM signal control of
Control distance	5km
Shock absorption mode	It has two-stage rebound shock absorption system
Protect function	Automatic protection of overload and overcurrent
Compatible with bomb types	Smoke, gas, detonation, broken Windows and other types

Smoke and tear gas launcher

QLY-WJFS-02



Technical parameters

Size	220×135×260mm
Net weight	3kg
Material	POM steel, aviation aluminum, carbon fiber, stainless steel
Launch mode	Electric shock
Caliber size	38mm (adaptive: Recoil 1~2kg, range 80m)

The drone is mounted with an electric smoke launcher, which can be optionally loaded with standard 38mm tear gas, detonation, smoke, flash, dazzle, etc., which can easily execute and complete the task. The UAV can control the whole situation from high altitude and accurately drop the target to cooperate with the task, thus bringing psychological fear and visual obstacles to the enemy.

Loading capacity	9pcs
Power supply mode	Airborne power supply
Work voltage	DC
Control mode	Independent remote control PWM signal
Control distance	800M
Control Angle	Pitch axis 360°
Expansion channel	It can support all kinds of model expansion function

Drone capture net launcher

QLY-WJFS-03



Technical parameters

Size	120×30×24mm
Net size	3.2×3.2m、4.0×4.0m
Catching distance	5~15m
Net expansion area	16m ²
The max range	15m
Environment temperature	-30°C~40°C

Mounted capture net launcher, also is called drone net gun module. By mounting a net gun on the drone, using the advantages of the drone at high altitude, it can instantly net enemies or objects. It is mainly used for law enforcement personnel such as public security & armed police to avoid close contact when catching the criminals to reduce them casualties.

Material	high strength aluminum alloy
Product range	Max range 5000m visible signal

Air Hunter

QLY-R-95



Technical parameters

Size	300×200×200mm
Net weight	3.5kg
Material	aviation aluminum
Installation method	Quick release
Launch method	Excitation of electronic signal
Linkage method	Course and pitch double linkage
Viewing distance	300m

R-95 can be mounted with drones and unmanned vehicles, The equipment is composed of PTZ control, high precision aiming system and control launching system. It adopts super power steering gear control and it has stability increasing system to ensure stable control mode and accuracy.

Ranging distance	10-500m
Recoil force	5kg
Power supply mode	Airborne power supply
Work voltage	DC 12-28V
Control mode	Independent remote control PWM signal control of automatic start and stop

Mission payload

attack equipment

UAV Grenade Thrower

QLY-PT-JY03



UAV mounted grenade thrower is a bomb thrower specifically designed to be mounted on the small UAVs, which can launch grenades, thus causing effective kill and deterrence against terrorists. The emergence of these thrower, on the one hand, meets the needs of fast, long-range and precise attacks in counter-terrorism operations, and on the other hand, reduces the risk of casualties of peacekeepers.

Uav mounted grenade thrower is an innovative anti-terrorism device, which combines the flexibility of UAV and the destructive power of grenade, and can play an important role in anti-terrorism scenarios.

Technical parameters

Size	220mm×200mm×150mm	Control throwing accuracy	<2m
Net weight	800g	Throwing mode	Airborne vertical drop
Material	Aviation aluminum, carbon fiber, stainless steel	Expansion channel	Can support a variety of model expansion functions
Compatible bomb type	48mm size	Use method	Automatic upward push latch loading
Installation mode	Latch upward impact type automatic lock	Aiming function	With one-key downward aiming , cross cursor indication
Launching mode	Automatic single throw		
Caliber size	Suitable for 48mm grenades		
Loading capacity	2~6 pieces		
Power supply mode	Airborne power supply		
Work voltage	DC 12-60V		
Control mode	SBUS signal 9-14 channels; Or independent 6-way PWM		

Smoke bomb thrower

QLY-PT-JY04



PT-JY04 is a UAV mounted smoke bomb thrower, based on the development of multi-rotor UAV platform, mechanical design, stable structure, disassembly convenience and quick. Fill 6 pcs smoke bombs of 40mm caliber, and control & throw by remote control to realize the command fixed position and high altitude launch.

Technical parameters

Size	330×300×290mm	Caliber size	40mm (Adaptation: 40mm smoke bomb)
Net weight	2.5kg	Power supply mode	Airborne power supply
Material	aviation aluminum,carbon fiber, stainless steel	Work voltage	DC 12-60V
Installation mode	Latch upward impact type automatic	Control mode	Channel 9-14 of SBUS signal or 6-way PWM
Launching mode	Automatic single throw	Control throw accuracy	<2m
Loading capacity	6 pcs	Throwing mode	one-button/independent throw
		Expansion channel	It can support all kinds of model expansion function
		Aiming function	With one-button downward aiming, cross cursor indication

Mortar bomb thrower

QLY-PT-JY06



Mounted mortar bomb thrower PT-JY06 , which is combined with drone technology and mortar technology, it can be filled with 4 or 6 pcs of mortar bomb, it can accurately drop bomb from a long distance. It has light weight, flexible , rapid deployment and fast response etc. characteristics.

Technical parameters

Size	400×300×150mm	Hit accuracy	≤3m diameter
Self-weight	1.5kg	Electronic drop	Switching voltage 12V
Loading capacity	4 ~ 6pcs	Control mode	Remote control
Aiming mode	Pan tilt aiming		
Delivery mode	Single shot		

Drone detection and jamming

Radar & Photoelectric

Radar detection system

QLY-LD-01



LD-01 radar detection is a low power developed for "low, slow and small" targets Detection radar, used for remote detection to find sensitive airspace hovering unmanned The machine provides accurate three-dimensional position information of the target and achieves 360° supervision area full coverage.

Technical parameters

Size	640mm×230mm×740mm
Detection distance	5km/7km/10km(RCS:0.01m²)
Operating frequency band	Ku
Protection level	IP66
Installation mode	Fixed/portable/vehicle-mounted
Position coverage	0°~360°(horizontal)
Pitch coverage	-30°~70° (vertical)

Photoelectric tracker

QLY-GD-01



GD-01 photoelectric equipment adopts self-developed multi-objective feature recognition and target intelligent tracking and complex background target detection technology, to achieve the target, confirm, identify, lock and track and other functions, at the same time take evidence of intrusion and harassment in the linkage work .

Technical parameters

Size	640mm×230mm×740mm
Detection distance	Visible light tracking distance≥3Km, Infrared tracking distance≥1.5km (depends on the size of the target)
Working band	Ku
Protection level	IP66
Installation mode	fixed/portable/vehicle-mounted
Azimuth coverage	0°~360°(horizontal)
Pitch coverage	-85°~85°(vertical)

Navigation decoy

QLY-YP-01



YP-01 navigational decoy device by transmitting simulated satellite navigation signals, and decoy to uav location, speed and time. The device implement different deception strategies on UAV navigation terminal to realization of UAV drive away, force landing, course guidance and other functions. The system combines radar and wireless electrical detection which can accurately guide the UAV to land at the designated place.

Technical parameters

Decoy distance	≥500m
Control range	360° without occlusion
Signal transmission power	≤10dBm (mW)
Transmitted navigation signal system	GPS、GLONASS、BDS
Overall Power consumption	≤20W

Drone detection and jamming

Integrated inspection and attack

Detection interference interception system

QLY-ZC-101

UAV detection & attack in one system adopts radio spectrum detection technology, it can realize 24 hours one day layout of regional protection, it can be the city "Low, slow and small" drones in complex environments for "long-range warning, accurate position, full tracking, automatic interception, full-time guarding. The no license fly UAV enters the prevention and control area, uses multi-frequency and multi-standard directional locking frequency to suppress and block radio waves, so that the UAV loses the imagine transmission signal and control signal, and the no license fly UAV can be forced landing on the spot or driven out of the prevention and control area.



Technical parameters

Detection unit

Size	diameter 460mm/circumference 1440mm/height 350mm
Weight	12.80kg (without the shelf)
Monitor frequency	100MHz~6000MHz
Detection distance	3~5km(according to the field electromagnetic environment)
Position coverage	0°-360° (horizontal)
Protection level	IP66
Work temperature	-20°C-50°C
Work time	24 hours one day
Working mode	Fixed

Countermeasure unit

Size	345mmX155mmX1360mm(with antenna)
Weight	12.5kg
Transmit frequency band	1.6Ghz/ 2.4Ghz/ 5.8Ghz
Interference distance	1~2km(according to the field electromagnetic environment)
Position coverage	0-360°(horizontal)
Protection level	IP66
Work temperature	-10°C-50°C
Work time	24 hours one day
Working mode	Fixed

Unmanned Aircraft Inspection and Strike Integrated System

QLY-ZC-101E

The ZC101-E unmanned aerial vehicle detection and strike integrated system adopts radio spectrum detection technology, which can achieve 24-hour and all-weather deployment of area protection. It can provide "long-distance warning, accurate positioning, full range tracking, automatic interception, and full-time guarding" for "low, slow, and small" unmanned aerial vehicles in complex urban environments.The black flying drone enters the prevention and control area and uses linear frequency modulation signal generation technology to generate wideband, high-speed, and multi-modulation interference signals, which can efficiently interfere with the drone from a long distance to force it to land or return.



Technical parameters

Detection unit

Size	diameter 460mm/circumference 1440mm/height 350mm
Weight	12.80kg (without the shelf)
Monitor frequency	100MHz~6000MHz
Detection distance	3~5km(according to the field electromagnetic environment)
Position coverage	0-360° (horizontal)
Protection level	IP66
Work temperature	-20°C-50°C
Work time	24 hours one day
Working mode	Fixed

Countermeasure unit

Size	630mm × 630mm × 560mm
Weight	<30kg
Transmitting interference band	300MHz-1000MHz、1000-2400MHz、2400-2500MHz、5725-5850MHz、2400-6000MHz
Interference distance	Omnidirectional≥3km, Directional≥2km
Single band interference bandwidth	≥200M
Harmonic suppression	40dBc
Work temperature	-40°C-65°C, overheat protection 85°C
Work time	24 hours one day
Working mode	Fixed

Drone detection and jamming

Portable jamming device

Portable UAV detection and positioning equipment QLY-ST-05



ST-05 is a portable UAV detection device equipped with UAV integrated control platform. Through in-depth analysis and data mining of UAV signal, the detection, identification, early warning, positioning, tracking and other functions of UAV within the detection range can be realized.

Technical parameters

Size	518mm×413mm×221mm
Weight	≤ 21kg
Positioning error	≤ 10m
Azimuth error	≤ 1.5°(RMS)
Detection target	5km (It depends on the working condition and target model)
Detection frequency band	900MHz、1.2GHz、2.4GHz、5.2GHz、5.8GHz (The frequency band can be expanded)

Handheld UAV detection & location equipment QLY-ZC-03



By receiving the communication signal of the UAV and analyzing the agreement to obtain the model, unique ID, longitude and latitude of the UAV, the latitude and longitude of the remote control, Handheld drones and operator precision positioning equipment ZC-03 can accurately identify and track the UAV, and it can alarm the model that cannot analyze the agreement.

Technical parameters

Monitor frequency band	30MHz—6000MHz (Flexible configuration of scanning frequency band)
Detection airspace angle	Pitch 90°, Horizontal 360°
Working mode	Passive detection
Respond time	<2s
Detection distance	1-2km (According to the electromagnetic environment difference)
Work temperature	-20°C~65°C

Drone detection and jamming

Portable jamming device

Drone counter gun QLY-F-069

Technical parameters

Size	752mmX67mmX295mm(Host)
Weight	3340g±10g(without battery)
Respond time	≤3s
Interception distance	≥2000m
Power supply	Built-in lithium battery or access the mains power supply
Work time	Normal operation≥4h
Jamming frequencies	900MHz/1.5GHz/2.4GHz/5.8GHz (Extensible frequency band)



The F-069 equipment interrupts the communication and navigation between the drone and the remote control by interfering with the data and navigation links of the drone, thereby forcing the drone to make a forced landing or drive away, ensuring low altitude airspace safety.The product is small in size,light in weight,easy to carry,supports backend management systems,and can be quickly deployed according to needs.

Drone counter gun QLY-F-369

Technical parameters

Size	750mmX65mmX230mm (without sight)
Weight	3000g±50g (without battery、sight)
Response time	≤3s
Interception range	≥1500m
Power supply mode	Built-in lithium battery or access the mains power supply
Work time	Normal operation≥4h
Interference frequency band	900MHz/1.6GHz/2.4GHz/5.8GHz (Extensible frequency band)



F-369 UAV countermeasures equipment with small size, light weight, easy to carry, support hand-held, tripod erection or shoulder and back carry operation mode. Waterproof, dustproof, salt spray proof which meet military standards.

UAV counter equipment QLY-F90S

Technical parameters

Host size	509mmX120mmX55mm
Weight	2050g (without battery)
Interference frequency band	900MHz/1.6GHz/2.4GHz/5.8GHz (Replaceable frequency band)
Work time	Normal operation≥4h
Interference distance	≥1500m
Response time	≤3s
Protection level	IP20(can improve the protection level)



QLY-F90S UAV countermeasures equipment (non-gun type), small size, light weight, easy to carry, with handheld, shoulder and back carry etc characteristics, support background management system. External dual battery easy replacement, to ensure continuous field work. It can achieve the control effect of forced landing and driving away of the unlicensed flying UAV.

Directional jamming shield QLY-PD1

Technical parameters

Size	360mmX359mmX155mm
Weight	5580g (Without battery)
Interference frequency	900MHz/1.4GHz/1.6GHz/2.4GHz /5.8GHz (Extensible frequency-band)
Interference distance	≥2000m
Interference Angle	±15°
Protection level	IP20 (can improve the protection level)
Work temperature	(-20℃~45℃) ±2℃



QLY-PD1 multi-band directional jamming shield integrates countermeasures, display control and data upload, which solves the problems of traditional handheld jammers such as less interference frequency band, no data return and no background management.

Drone detection and jamming

Rental equipment

UAV counter gun

QLY-F-06S



The QLY-F-06S has the characteristics of small size, light weight, easy to carry, handheld operation, and can be started at any time. Comprehensive detection and countermeasures management are carried out for the UAV, so that it loses the flight control instructions and satellite positioning information and can not fly normally, so as to achieve the control effect of forced landing and driving away of the unlicensed flying UAV. It can form networking with fixed countermeasures station, mobile vehicle-mounted countermeasures station, hand-held countermeasures equipment, detection system, low altitude radar system, GPS decoy system, photoelectric tracking and other systems.

Technical parameters

Size	917*182*280mm (Host) 108*50*31mm (Charger)
Weight	2903g (Device host) 510g (Aiming mirror) 258g(Charger)
Response time	≤10s
Interference distance	≥1500m
Working time	normal operation≥4h
Power supply	built-in lithium battery or access the mains power supply
Interference angle	±15°
Interference frequency band	GPS/900MHz/1.6GHz/2.4GHz/5.8GHz (extensible frequency band)

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Solutions

Airport bird repellent solutions



The efficiency of traditional ground bird repellent equipment is limited. Airplanes are mostly at the approach altitude level during take-off, landing and low altitude flight. Therefore, traditional ground bird repellent equipment cannot effectively repel birds within a certain altitude level, as well as in the area outside the airport fence. The market is in urgent need of a new bird repellent tool to meet the requirements of airport test flights.

Using the UAVs to carry out the bird repellent activities can effectively reduce the blind spot of bird repel in the sky, and then effectively making up the shortage of traditional ground bird repellent equipment, to become a newly powerful method of bird repellent.



Bird repellent drone

QLY-6M-QN

+



Drone bird repeller

QLY-QN-02

+



Handheld all-in-one remote control

QLY-S-30



The large load tandem twin rotor unmanned helicopter has long flight endurance, high transportation efficiency and compact tandem type layout structure. The oil engine is autonomous and controllable. It equipped with three redundant safety flight control and dual navigation system at same time, which is including satellite navigation and visual fusion navigation. Combined with autonomous obstacle avoidance system to guarantee flight safety. This tandem twin rotor unmanned helicopter can be used for material transportation, fire fighting, emergency communication in case of disaster and other scenarios. It can also be paired with a mounted camera, the flight observation radius is not less than 1 km, and the real-time display through the ground station provides more possibilities for practical applications.



Tandem carriage drone

QLY-DZS-Q7

+



Payload hook device

QLY-LH-36

Solutions

UAV fire extinguishing solutions



Compared with the traditional fire extinguishing methods, the fire fighting UAV is equipped with fire extinguishing bombs. It can hover over the fire and extinguish the fire directly, to avoid casualties and property losses in traditional fire fighting methods. Secondly, the UAV can put out the fires faster, quickly controlled the fire and reduce the loss caused by it. In addition, fire fighting by UAV can also carry out real-time monitoring of the fire scene, providing strong support for the decision-making of firefighters.



Six-rotor large payload drone
QLY-DZA-50S

+



30x Laser night vision PTZ camera
QLY-L-30TN

+



The fire extinguishing shells
QLY-FE-50/QLY-FE-25

UAV anti-terrorism solutions



The mortar as a traditional suppress equipment, has the characteristics of simple operation, strong firepower and ballistic bending which is very suitable for mountain, water network and other complex terrain anti-terrorism activities. The UAVs are flexible and easy to operate. By combining mortar throwers with UAVs, it can perform rapid deployment, counter-terrorism and peacekeeping missions.



Inspection and attack drone
QLY-KVD-8

+



Mortar bomb thrower
QLY-PT-JY06

+



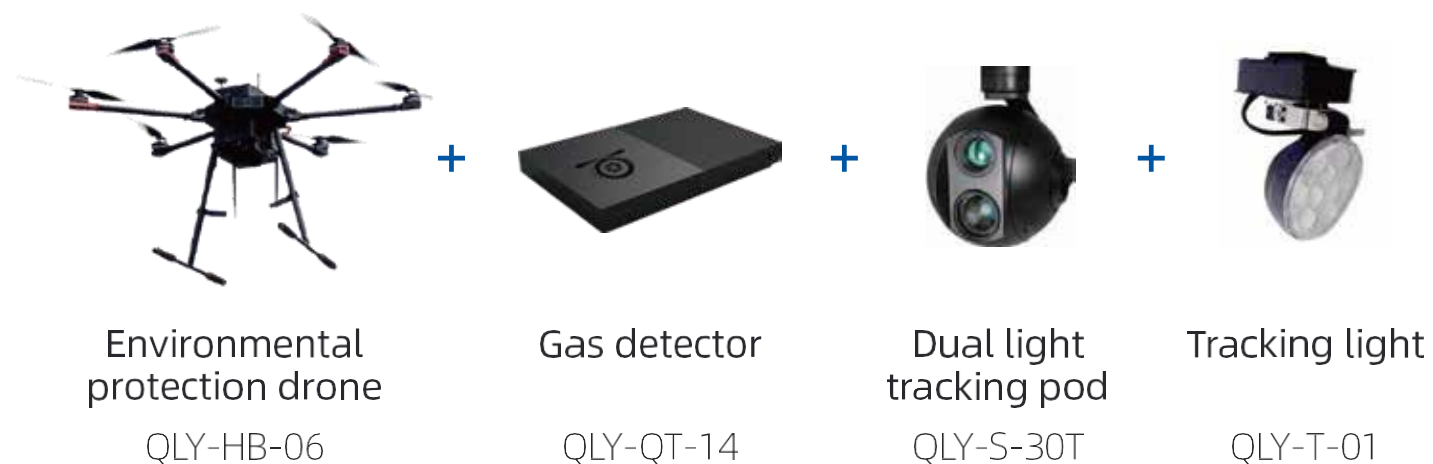
30x Zoom pod camera
QLY-NEO-36T

Solutions

Environmental protection solutions

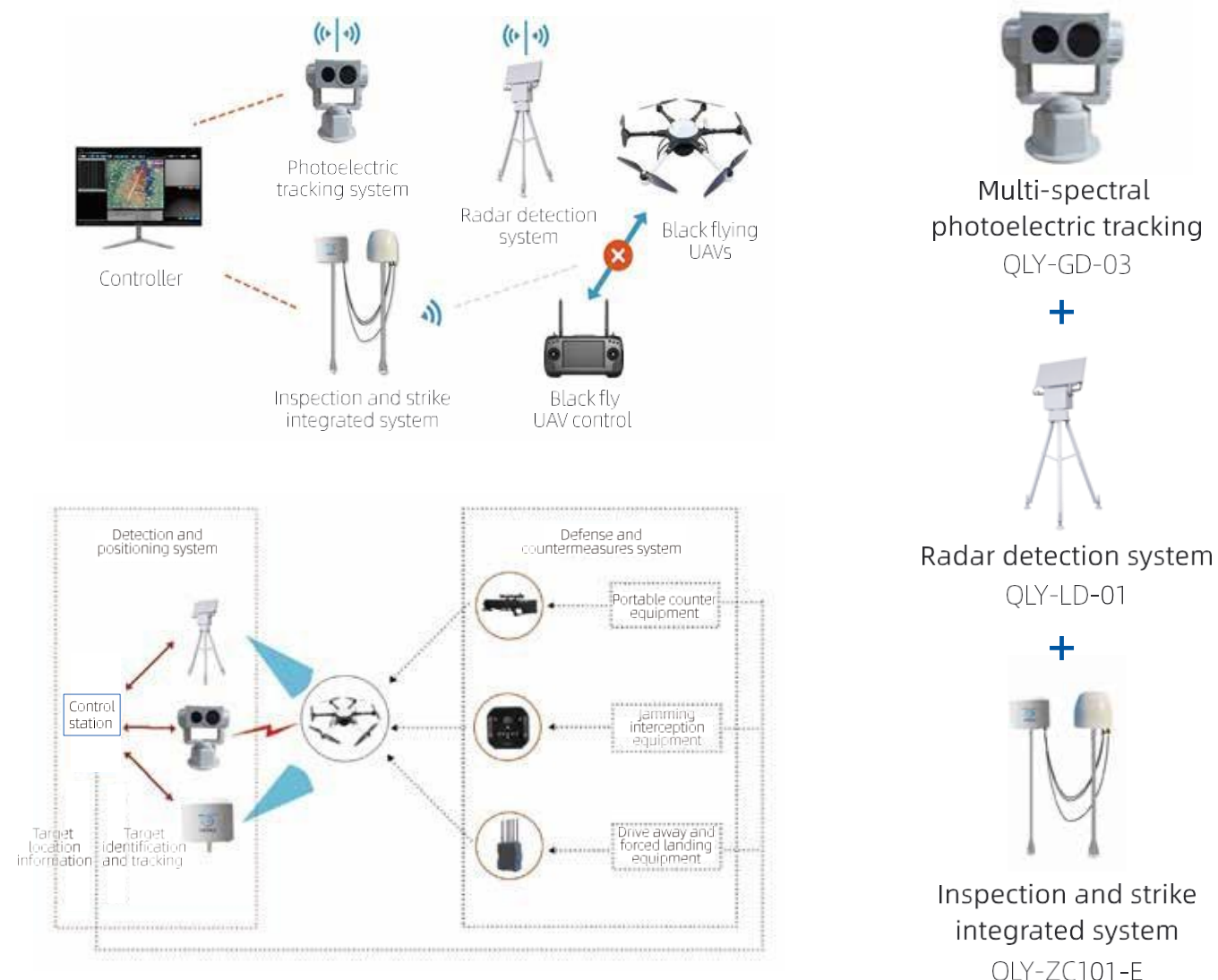


The application of environmental protection UAVs in environmental emergency monitoring is mainly to monitor sudden environmental pollution events, including the air environment, water environment, nuclear and electromagnetic radiation pollution events. When a pollution event occurs, the UAV can be equipped with relevant monitoring equipment (such as imaging equipment or sensors) to quickly arrive to the scene of the pollution accident, conduct comprehensive and rapid environmental monitoring of the accident site, identify the types of pollutants, pollution scope and pollution degree, and provide accurate information for the formulation of emergency plans.



Anti-drone system

The integrated inspection and attack anti-drone system is a low-altitude defense control system for drones. This system implements whole-period, whole-coverage and whole-process prevention and control management of controlled airspace. The system realizes the real-time detection and discovery of long-distance UAV, through the radio monitoring spectrum detection equipment, to obtain the high-precision positioning information of UAV targets, and realizes the confirmation, identification, locking and forensics of targets. After the suspicious UAV is confirmed, the multi-combination strategy is quickly and effectively processed through the joint intervention of the omnidirectional jammer, and the functions of driving away the target and forced landing in place are realized.





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