



EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

EOD SOLUTION Catalog



Product List

Portable X-ray Scanner System	3
C4I-PBC-A01 EOD Robot	7
C4I-400 EOD Robot	11
Bomb Disposal Suit	16
Portable Wide-Band Wireless Frequency Jammer	22
EOD Manipulator	25
Wireless Remote Detonation System	28
Bomb Suppression Blanket with Safety Fence	30
Non-Magnetic Tool Kit	31
Search Bomb Suit	36
Mine Clearance Tool Kit	39
Non-Magnetic Prodder	42
Remote IED Wire Cutter	43
Spherical Bomb Suppression Container	44
C4I-G500 Explosion-proof Barrel	46
Laser Firing System	48
Underground Mine Detector	53
Composite Mine Detector	54
The Advanced Hook and Line Tool Kit	55
Handheld Trace Explosive Detector	59
EOD & IED Electronic Stethoscope	61
Dual Mode Explosive and Drugs Detector	63
Mobile Dual Mode Under Vehicle Scanning System	67
Portable Under Vehicle Search Camera	70
Hazardous Liquid Detector	73
Under Vehicle Search Mirror	76
Telescopic Inspection Mirror	78
Portable Walk Through Metal Detector	79
Mobile Electronic Device and Metal Detector	81
Hand-Held Metal Detector	84
Telescopic Pole Camera	86
Video Endoscope	90
Telescopic IR Search Camera	93
Hand-held Raman Detector	95
C4I-801 Non-linear Junction Detector	98
Vehicle Chassis Detection Robot	102
Mobile Phone Signal Jammer	104
Wireless Signal Detector	107



1.Portable X-ray Scanner System

Model:C4I-XRY-03



Description:

This device is a light weight ,portable,battery powered x-ray scanning system designed in co-operation with the first responder and EOD teams to meet the need of the field operative. It is light weight and comes with user friendly software that helps operators in understanding the functions and operations in a less time.

Applied Scene:

EOD/IED:

Widespread use of explosives presents immense growing challenges and threats to civilians, law enforcement forces, military and police bomb squads and EOD teams worldwide. The key objective of Bomb Disposal Operators is to accomplish their task as safely as possible. For that reason, EOD equipment, and specifically portable x-ray scanner systems play a crucial role in meeting this objective –providing real time, high quality images of suspect objects, while ensuring the safety of all parties involved.

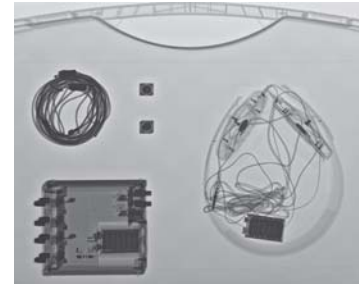


IED in Bag



Counter Surveillance

The portable X-ray scanner system plays a crucial role in inspecting every objects – such as electronic devices, furniture, walls (concrete, drywall) and even inspecting an entire hotel room. When guarding a public figure, or an embassy, these items as well as innocent looking gifts or mobile phones must be inspected for the slightest alteration in their electronic components which may imply being used as a listening device.



Spy Device in Case

Border Control

The portable X-ray scanner systems are perfect for contraband – drugs or weapons, and IED detection by examination of suspected items across borders and perimeters. It allows the operator to carry the complete system in his car or in a backpack when needed. The inspection of suspected items is quick and simple and provides the highest image quality for on the spot decisions.



Knife & Drug in Bag

Customs

In customs, check point officials must perform a quick, non-intrusive and non-destructive inspection of suspected vehicles and packages with whom they come across on a daily basis. The portable X-ray scanner systems offer an excellent inspection solution for check points that do not have large cargo or vehicle inspection systems or require a complementary solution. It is ideal for contraband inspection such as ammunition, weapons, drugs, jewelry and alcohol.



Tyre Inspection

Features

Can be assembled rapidly on-site. Imaging plate using amorphous silicon technology, whose image is very clear. Can operate with remote control in the rear. Powerful image enhancement and Analysis tools. Intuitive interface, Image splicing infinite, simplicity of operation.

User-friendly software.



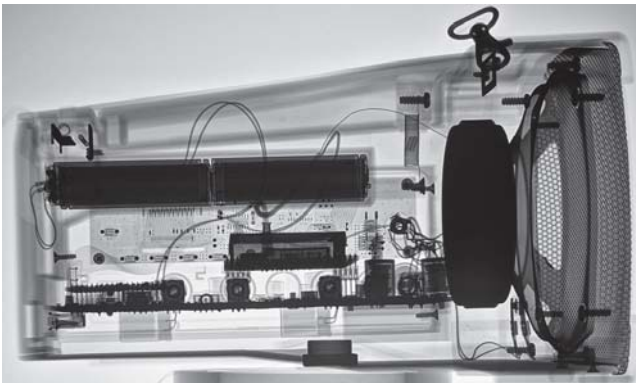
Integration with EOD Robot

Specification:

Technical Specification of the imaging plate		
1	Detector Type	Amorphous Silicon with TFT
2	Detector Area	433mm x 354mm (Standard)
3	Detector Thickness	15mm
4	Pixel pitch	154 μm
5	Pixel array	2816x2304 pixels
6	Pixel Depth	16 bits
7	Limiting Resolution	3.3 lp/mm
8	Image Acquisition Time	4-5s
9	Weight	6.4kg with battery
10	Power supply	220V AC/50Hz
11	Communication	Wired: 50 meters fiber on a roller, TCP/IP Ethernet
		Wireless: 5G Wi-Fi , no less than 70m
12	Operating Temperature	-10°C+55°C
Technical Specification-x-ray Generator		
1	Operating Mode	Pulse, it launches 4000 pulses each time when charged fully
3	Working hours	More than 5 hours
4	Voltage	150kV
5	Penetration	50mm Aluminium Plate
6	Weight	5.1 Kg with battery
Technical Specification – Imaging Station (PC)		
1	Type	Laptop computer
2	Processor	Intel Core i5 processor

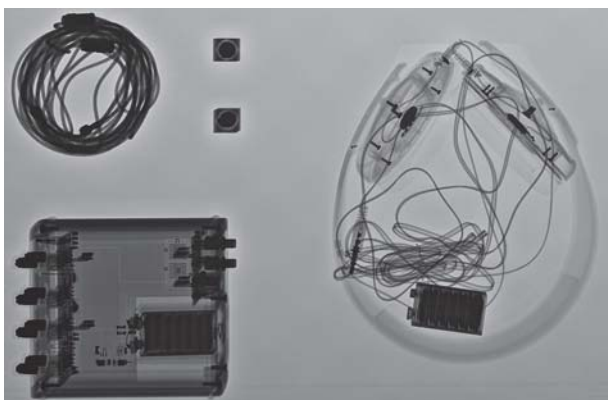
3	Display	13 or 14" Full High Definition LED Display
4	Memory	8GB
5	Hard Drive	No less than 500GB
6	Operating system	English MS Windows 10
7	Software	Automatic Optimization, Invert, Revert, Pseudo color image, Rotate, Flip Horizontal, Flip Vertical, Zoom, Deep Focus, Polygon On screen measurement, Merge, Save, 3D image

Reality Scene-1: Parcel Inspection by Anti-Terrorist Force and Customs



IED in bag

Reality Scene-2: Counter-surveillance

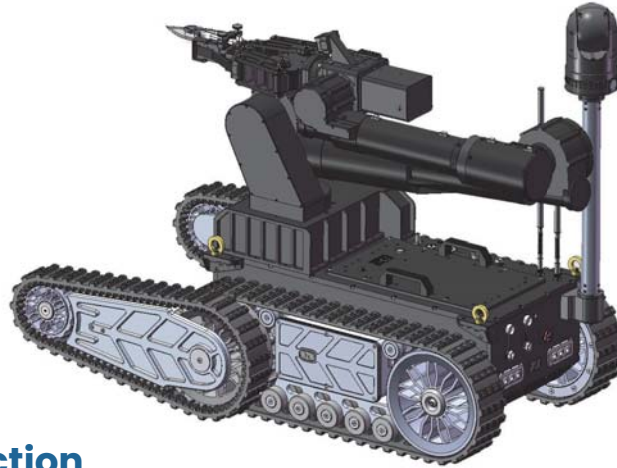


Spy bugs in bag



2.EOD Robot

Model: C4I-PBC-A01



Product Introduction

This product is a remote-controlled robot specifically designed for handling explosives and hazardous materials. It has a highly flexible robotic arm and camera, which can replace personnel in carrying out bomb disposal tasks in hazardous environments. EOD robots typically have the following characteristics:

1. Remote control operation: Operators can precisely control the robot's movements through the remote control system.
2. Video surveillance: Equipped with high-definition cameras, real-time transmission of on-site images helps operators accurately judge the situation.
3. Mechanical arm: With multiple degrees of freedom, it can complete complex operations such as grasping, transporting, and disassembling.

The 6-axis design can more comprehensively adapt to the environment, such as transferring hazardous materials from garbage bins; Transfer dangerous goods from the bottom of the vehicle; Transfer hazardous materials at a height of 2.4m; Directly transfer dangerous goods inside the vehicle

4. Safety performance: The robot body is made of high-strength materials, which can withstand a certain degree of explosive impact.
5. Portability: Some EOD robots are designed to be lightweight and easy to deploy on site quickly.

This product effectively reduces the risk of explosive disposal operations and improves the efficiency and safety of handling explosives



Technical parameters		
1	Size	1000*760*840mm 1000*760*1100mm(Including camera)
2	Ground distance	8cm
3	Maximum height	240cm (including installed robotic arm)
4	Maximum length of robotic arm	About 170cm
5	Total weight	About 230kg (chassis about 150kg, roboticarm about 80kg)
6	Dragging ability	150kg
7	The weight that the robotic arm can lift when expanded	About 25kg (at17cm)
8	The weight that the robotic arm can lift when contracted	About 60KG (maximumclamping force)
9	Degrees of freedom of robotic arm	6
10	load	≥150kg
11	Chassis characteristics	track
12	Climbing angle	45°
13	Obstacle crossing ability	Height: 40cm Width: 70cm
14	Wading Depth	40cm
15	Speed	1.8km/h 3.6km/h 7.2km/h Three speed adjustable
16	Variable speed	Electronic speed regulation, infinitely variablespeed
17	Battery life	2 pcs, per 2 hours
18	Communication mode	Wireless,wired
19	Communication distance	Wireless: ≥ 600M Wired: 100M



20	Protection level	IP65
21	Video	4
22	Battery	48V50A
23	Deployment time	About 60 seconds
24	Chassis material	Aluminium alloy
25	Display	18.5 inches
26	Floodlight	Front and back
27	Lighting distance	8M

Case:

1. Transfer hazardous materials from garbage bins





2. Transfer dangerous goods from the bottom of the vehicle



3. Transfer hazardous materials at a height of 2.4m





3. C4I-400 EOD Robot



I. Product Introduction

C4I-400 EOD Robot is the only small and medium size EOD robot that has double gripper design, super multi-perspective function, and with integration of reconnaissance, transfer and disposal. As a size EOD robot, C4I-400 has a small volume, weighing only 37kg; but its operating capacity has reached the standard of medium-sized EOD robot, and the maximum grabbing weight is up to 12kg. The Robot is not only structurally robust and lightweight, but also meets national military requirements on many aspects such as dust prevention, waterproofing and corrosion protection.

At the same time, the Robot is an EOD Robot with the highest degree of informatization and intelligence in China. It has the functions of "Intelligent Preset Position Control", "Remote 3D Real-Time Display", "X ZGripper Pan Operation based on Automatic Calculation", "Mechanical Buttons and Touch Screen Double Redundant Control", "All-round Smart Protection" and other intelligent and intelligent auxiliary functions. Because of its intelligent and highly reliable design, users can "Dare to Operate" and "Easy to Operate". Compared with traditional EOD Robot, the time for executing tasks is reduced by 80% and the training time is shortened by 75%. Therefore, it can be widely applied to city anti-terrorism, public safety, earthquake relief, suspicious material inspection, roadside bombing exclusion and other high-risk operations. It can be applied on the following places:



- Subway, airport, train station and other public transport
- Banks, hotels, post offices, cinemas, concert halls, stadiums and other public places
- Outdoor grass, concrete, muddy roads, urban ruins and other harsh terrain

II. Performance Characteristics

- (1) Original "Double Gripper" design -- complete a variety of tasks at once, reliable and stable
- (2) Graphical design of dual redundant operation -- more friendly interaction, more reliable operation
- (3) Remote 3D real-time display -- closely monitoring, and the operation is more intuitive
- (4) Intelligent Preset Position Control design -- Easy and fast to operate
- (5) X Z Gripper Pan Operation design based on automatic calculation -- more precise and efficient control
- (6) Mode adaptive image system -- seven-way image, the observation angle is more abundant
- (7) Integrated Design with Eight Degrees of Freedom Arm -- Control is more flexible and safer
- (8) Re-innovation and re-optimization design of the leg and track -- strongly and more reliable leaping over obstacles
- (9) Harsh testing and intelligent all-round protection -- users feel more comfortable



III. Technical Specifications

No.	Category	Parameter Name	Parameter Index
1	Structural	Robot size	≤830mm×600mm×460mm (Fully retracted)
		Controller size	≤360mm×210mm×70mm
		Robotic arm length	≥1700mm (Without extension joints, fully xtended) ≥ 2400mm (With extension joints, fully extended)Optional
		Robot weight	≤37kg (Including two batteries)
		Controller weight	≤2kg (Excluding backpack)
2	Mobility	Maximum speed	≥1.4m/s, (5 gear shifting, continuously variable speed)
		Vertical leaping over height	400mm
		The width of leaping over trench	400mm
		Grade ability	40
		Climbing stairs	40
3	Grabbing	Robotic arm flat stretch	≥6kg
		Robotic arm retracted	≥12kg
		Maximum clamping force	≥300N
		Maximum clamping width	≥160mm (Without "Widening Clamping Tool") ≥280mm (With "Widening Clamping Tool")
4	Robotic arm	No. of gripper	2
		Degree of freedom	8



		The scope of work	0 ~360 rotation (horizontal plane)
		The maximum observation height	≥2600mm (The extended pole is optional)
		Maximum gripping height	≥2000mm
		The deepest observation height	≥1700mm
		The deepest gripping height	≥1100mm
		Farthest gripping distance	≥1600mm
5	Endurance performance	Continuous working hours	≥3h
		Normal working hours	≥4h
6	Monitor	No. of cameras	7
		Infrared night vision distance	≥25m
		Lighting on	automatically turn on infrared lighting under low light
7	Controller	Controller form	Handheld
		Monitor specifications	10.1" LCD, Bright screen, can clearly observe in the sun
		Operation method	Button joystick and touch screen dual redundant operation
		Video signal display	7 Ways
		System delay	≤0.25s
8	Control performance	Control method	Wired, wireless control
		Cable length	100m



		Wireless remote control distance	≥200m ((Line of Sight))
9	Protective performance	Motion Platform	IP66
		Robotic arm	IP66
10	Extended performance (Optional)	Exchangeable tool set	18 kinds (can be changed quickly)
		Basic tool set	6 kinds: grabber for grabbing, grabber for opening the door, knives, scissors, pliers, extending joints
		Expansion tool set	6 kinds: four claw straight hook harrow, round three claw hook rake, long hook, short hook, round five claw fork, three claw anchor
		Grabbing tool set	6 kinds: Arc rubber mats, cross pattern rubber mats (hard), cross pattern rubber mats (soft), boss rubber mats, outer strut rubber mats (arcs), outer strut rubber mats (ladders)
11	Smart display	3D real-time display	The status of the Robot and robotic arm is shown by remote three-dimensional display, you can zoom in, zoom out, change perspective
		Intelligent protection alarm	If the Robot is operated incorrectly due to Human Factors, the system automatically checks the error status and alarmed, and stop the relevant error operation
12	Intelligent control	Preset Position Control	Robotic arm is equipped with "Preset Position Control ", that is, one-button operation, the robot arm can independently reach the appropriate operating status
		X Z-based operation	X Z-based operation, i.e., the robot arm has the operation based on the Cartesian coordinate system, the trajectory of the linear motion of end gripper can be realized to multiple directions, such as forward, backward, left, right, up, down

4.Bomb Disposal Suit

Brand: Aurora

Model: C4I-AR-II



Fig 1: Bomb suit



Fig 2: Cooling suit



Fig 3: Communication system

Introduction

This type of bomb suit is designed as a special clothing equipment especially for Public Security, Armed Police departments, for the personnel dressing to remove or dispose of small explosives. It provides the highest level of protection to the personal currently, whilst it offers the maximum comfort and flexibility to the operator.

The Cooling suit is used to provide a safe and cool environment for explosive disposal personnel, so that they can carry out explosive disposal work efficiently and intensively.



Technical Data of Bomb Suit

Bulletproof Mask	Thickness	22.4mm
	Weight	1032g
	Material	Organic transparent composite
Bulletproof Helmet	Size	361×273×262mm
	Protective Area	0.25m ²
	Weight	4104g
	Material	Kevlar composites laminated
The front of smock (Main body of smock)	Size	580×520mm
	Weight	1486g
	Material	34-layer woven fabric (Aramid fiber)
Blast plate +The front of smock	Throat Plate Dimension	270×160×19.7mm
	Throat Plate Weight	1313g
	Abdominal Plate Dimension	330×260×19.4mm
	Abdominal Plate Weight	2058g
Arm (Right Arm,Left Arm)	Size	500×520mm
	Weight	1486g
	Material	25-layer woven fabric (Aramid fiber)
The back of thigh and calf (Left and Right Thigh)	Size	530×270mm
	Weight	529g
	Material	21-layer woven fabric (Aramid fiber)
The front of shin (Left and Right Outer)	Size	460×270mm
	Weight	632g
	Material	30-layer woven fabric (Aramid fiber)
Bomb Suit Total Weight	32.7kg (without helmet+mask+cooling suit)	
Power supply	12V battery	
Communication system	wired communication system, compatible with most communication systems	
Cooling fan	200 liters/min, adjustable speed	
Cooling suit	Clothes weight	1.12 kg
	Water cooled package device	2.0 kg

Ballistic parameter (V50 testing)

Bulletproof Mask	744m/s
Bulletproof Helmet	780m/s
The front of smock (Main body of smock)	654m/s
Blast plate +The front of smock	>2022m/s
Arm (Right Arm, Left Arm)	531m/s
The back of thigh and calf (Left and Right Thigh, Left and Right Shin)	492m/s
The front of shin (Left and Right Outer)	593m/s



Bomb Suit Details

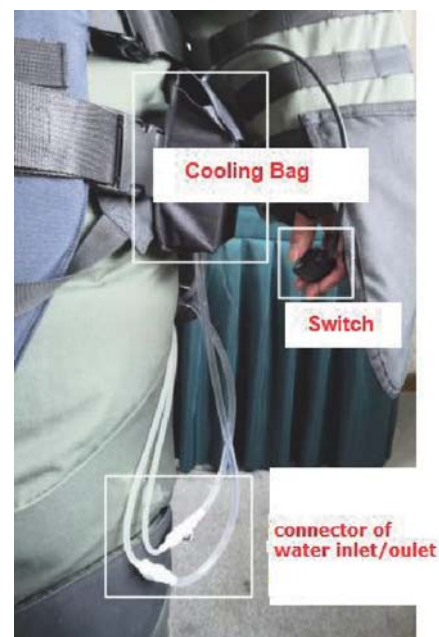






Cooling Suit

1. Cooling suit
2. Control system
3. Ice box 2
4. Charger
5. Hand bag





5. Portable Wide-Band Wireless Frequency Jammer

Model: C4I-BJ-IV (5G)



Introduction

The device is suitable for use in special environment (small space, no power supply, vehicle-mounted interferometer can not enter the place). It is a comprehensive application of analog radio technology, including electronic countermeasures, analog signal processing, power amplification, special antenna design and many other advanced technologies, which can adapt to the need of on-site disposal of wireless remote control device explosives.

It is a new equipment in the field of electronic countermeasures, and its performance indicators can meet the actual needs of the public security and armed police departments for riot control, anti-terrorism, explosive disposal, escort, criminal investigation and technical investigation. It adopts the latest jamming signal technology, and the transmitting power and jamming distance are more suitable for the actual work.

The system has strong function, wide range of jamming and blocking wireless explosive device, simple operation, flexibility and convenient installation and erection. It can be used for the disposal of wireless remote control explosive devices in the explosive disposal site, can be used for the security needs of confidential meetings, can be used for the scene stability of mass incidents and other special places that need interference shielding.

Features

- 1) Small size, light weight, easy to handle, suitable for individual operation.
- 2) Moderate transmitting power, small radiation to the site staff.
- 3) Directional transmission in important frequency band, especially suitable for fixed-point explosive disposal in a small range.
- 4) One-key operation, intelligent control, simple operation, convenient for staff to use.



- 5) The indicator light on the panel indicates the electric quantity and working status of the equipment.
 - 6) The device can be operated in the distance by wire control and the device status can be displayed on the screen.
 - 7) The interference signal adopts the method of broadband sweep frequency and time-domain strengthening of key frequency points to increase coverage
 - 8) High-precision semiconductor components are used for core components to ensure the advancement and reliability of products.
 - 9) Dual power supply system is adopted. It can use 220V mains power supply or internal battery pack power supply.
-
1. Operation mode: switch the machine on and off with one key, and display the working status through operation display panel or remote control;
 2. Transmission power: 475W;
 3. Power consumption: MAX1300W;
 4. Power adaptability: AC220V/DC24-26V;
 5. Operation time: built-in DC24V42AH power battery pack, can support the equipment to work continuously for 50 minutes;
 6. Built-in charger: 29.5V&8A charging time is about 6 hours;
 7. Main device (including antenna) weight 44kg;
 8. Host size: 63*50*30cm;
 9. Reliability and maintainability requirements: MTBF \geq 1000 hours, MTTR \leq 1 hour;
 10. Interference style: frequency block interference, sweep interference;
 11. Working mode: sweep frequency, dressing spectrum and direct sequence spread spectrum combination;
 12. Working mode: low frequency, full frequency, mobile phone three modes;
 13. Protection function: RF output no-load and short circuit protection; Internal power system with under voltage, over voltage, overload, short circuit and other protection, sound alarm function;
 14. Interference distance: 20-80m (distance and base station distance, and whether there is a mobile phone amplifier)

Technical parameters

No	Frequency range	Transmitted power	Antenna	Interference Target
1	27-72 MHz	15W	A:Wide-band monopole omnidirectional antenna	Toy remote control
2	136-174MHz	25W	B:Wide-band monopole omnidirectional antenna	VHF industrial and civil remote control
3	315-470MHz	15W	C:Wide-band monopole omnidirectional antenna	UHF industrial and civil remote control
4	758-803MHz	35W	Built-in array directional antenna	
5	870-880MHz	35W		850MHz Intercom,CDMA800MHz
6	930-960MHz	35W		DCS1800/CDMA1900MHz/4G-TLE
7	1805-1880MHz	50W		3G-W-CDMA,CDMA2000,4G-LTE
8	1880-1920MHz	50W		
9	2110-2170MHz	35W		4G
10	2300-2400MHz	35W		WIFI
11	2515-2675MHz	35W		5G
12	3400-3600MHz	50W		5G
13	4800-4960MHz	35w		
14	5150-5850MHz	25W		WIFI

Note: It depends on the frequency of mobile phone in each country.The actual frequency band is customized according to the frequency band provided by the customer.



6. EOD Manipulator

Model: C4I-JXS-IV



Description

Telescopic manipulator is a kind of EOD device. It is comprised of the mechanical claw, mechanical arm, battery box, controller, etc. It can control the claw s open and close.

This device is used for all dangerous explosive articles disposal and suitable for public security, fire fighting and EOD departments.

It is designed to provide the operator with a 4.7 meters stand-off capability, thus significantly increasing operator survivability should a device detonate.

Features

- High grabbing capacity: it can grab about 20 kg objects.
- 4.7 meters stand-off capability.
- Rechargeable battery.
- Battery box designed as counterweight.
- The mechanical claw can be operated electrically and rotated 360 degree electrically.
- The height of bracket is adjustable with universal wheels which can be locked.

Technical Specification

Physical Parameter	
Weight (with battery)	16.8 kg
Material	High-strength light-weight carbon fiber
Pole Length	2.75 m ~ 4.7m
Claw Max. Opening Size	20cm
Max. Grip Weight	2.75m (pole length): 11.5kg
	4.7m (pole length): 20kg
Wheel Diameter	30cm
Wheel-center-distance	44cm
Claw rotation	360 degrees
Camera Parameter	
Image Sensor	1/2.9 inch ultra-low illumination 2 megapixel CMOS
Built-in HD Lens	2.8mm
Resolution	1080P
Min. illumination	Color 0.01Lux (F1.2, AGCON)
Backlight compensation	AUTO
Frame rate	50Hz:25fps (1920*1080); 60Hz:30fps (1920*1080)
Protection Class	IP68
Display Parameter	
Display Size	7 inch TFT-LCD screen
Resolution	1080P
Screen Backlight	LED
Brightness	500cd/m2



FOV	150°
Voltage	12v
Power	6.5w
Language	English
Other Parameter	
Working Time	5hours with built-in rechargeable battery
Operating temperature	-20°C to +45°C ; 0~98%Rh
Storage temperature	-20°C to +45°C ; 0~98%Rh
ABS Case dimension	146x38x50cm
Packing weight (device+case)	32.2kg





7. Wireless Remote Detonation System

Model: C4I-WRDS-01



Production Introduction

The wireless remote detonation system developed by our company is mainly used for the wireless remote detonation of blasting charges, electric ignition explosive devices and non-lethal munitions. It can be used in the army, armed police, special police, public security and other military ordnance disposal work and related military exercises.

General Features

- The communication distance is far, and can be up to 2000 meters (LOS)
- The system can command up to 16 remote initiators at a time individually or in any combination.
- 5-inch high-definition display screen, real-time display of initiator's status.
- Multi function selection, the number of initiator can be freely selected for control.
- The safety device can be started by the detonation double key to prevent misoperation.
- The initiator can be reused under the non detonating live ammunition state (exercise).
- The initiator can set the number freely, and the controller can automatically correspond to the number after starting up.

Technical Specs

Initiator	
Initiator Max. Number	16
Display	Digital tube display
Standby time	13 hours
Battery	CR123A Li battery
Output voltage	5V
Output current	1A
Working frequency	868MHz

Remote Controller	
Controller Number	1
Display	5inch IPS screen
Resolution	480X854
Remote range	Up to 2000m
Standby time	More than 30minutes
Battery	9V alkaline battery
Working frequency	868MHz



8. Bomb Suppression Blanket with Safety Fence



Description

Composition: The whole set is composed of explosion-proof blanket and explosion-proof fence. The inner chip of explosion-proof blanket and explosion-proof fence is made of special materials, and the inner and outer fabrics are made of high-strength woven fabric. The fabric color is camouflage or police blue. PE UD cloth with excellent explosion-proof performance is selected as the basic material, and special sewing process is adopted to ensure the full absorption of energy generated by the explosion fragments.

Technical Specification

Explosion-proof blanket weight: 11.05kg Total weight: 25.5kg

Size: explosion-proof blanket 1600×1600(mm) Inner fence 300×450(mm) Outer fence 150×600 (mm).

Usage: When the explosion-proof blanket and explosion-proof fence are used together, the suspected explosives are covered with the explosion-proof fence, and the suspected explosives are placed in the center of the fence, and then the explosion-proof blanket is covered on it, and the explosion-proof blanket center is aligned with the center of the fence;

Application: When the 82-2 standard grenade detonates, personnel outside 1m from the explosion center will not suffer fatal injury; when the 200gTNT naked drug detonates, personnel outside 3m from the explosion center will not suffer fatal injury;

Note: When the explosion-proof blanket (fence) has been exploded, it should not be used again.

9.Non-Magnetic Tool Kit

Model: C4I-37NMT










Description






The 37-Piece Non-Magnetic Tool Kit is designed for bomb disposal applications. All tools are manufactured from beryllium copper alloy. It is an essential tool when the explosive disposal personnel take suspicious explosives apart in order to avoid producing sparks because of magnetism.

All tools are packed in a rugged duty fabric carrying case with non-magnetic fittings. The case has individual cutouts in foam trays provides an excellent tool control system which clearly shows if any tool is missing.




Configuration list

S.N	Name	Qty	Specification	Picture
1.	Hammer, Sledge	1	1.81kg	

2.	Hammer, Ball Pein	1	0.91kg	
3.	Wrench, Pipe	1	450mm	
4.	Wrench, Adjustable	1	150mm	
5.	Wrench, Adjustable	1	200mm	
6.	Wrench, Combination	1	10mm	
7.	Wrench, Combination	1	8mm	
8.	Pliers, Lineman	1	200mm	
9.	Pliers, Lineman	1	150mm	
10.	Pliers, Snipe Nose	1	150mm	

11.	Pliers, Adjustable, Combination	1	150mm	
12.	Pliers, Round Nose	1	150mm	
13.	Pliers, Flat Nose	1	150mm	
14.	Pliers, Diagonal Cutting	1	150mm	
15.	Slotted Screwdriver(mm)	1	75mm	
16.	Slotted Screwdriver(mm)	1	100mm	
17.	Slotted Screwdriver(mm)	1	150mm	
18.	Slotted Screwdriver(mm)	1	200mm	
19.	Phillips Screwdriver (mm)	1	75mm	



20.	Phillips Screwdriver (mm)	1	100mm	
21.	Phillips Screwdriver (mm)	1	150mm	
22.	Phillips Screwdriver (mm)	1	200mm	
23.	Slotted Offset Screwdriver (mm)	1	6*72mm	
24.	Slotted Offset Screwdriver (mm)	1	8*125mm	
25.	Slotted Offset Screwdriver (mm)	1	10*196mm	
26.	Chisel 6 Point	1	16*160mm	
27.	Shears,Cutting	1	150mm	
28.	Knife, Common	1	250mm	

29.	Knife, Putty	1	50*200mm	
30.	Tweezers, Neat Tips	1	200mm	
31.	Bar	1	19*500mm	
32.	Marking Tool	1	250mm	
33.	Bar, Wrecking	1	400mm	
34.	Hacksaw Frame	1	500mm	
35.	Hacksaw Blade	1	300mm	
36.	Brush, Flat Back, Scratch	1	6*16mm	
37.	ABS Case	1	511x430x200mm	



10. Search Bomb Suit

Model: C4I-SBF01



Description

The Search Bomb Suit is designed specifically for personnel searching and clearing of mines and terrorist explosive devices. Although the Search Suit does not offer the higher protection of the EOD Bomb Disposal Suit, it is much lighter in weight, provides all-round protection. It is comfortable to wear and allow virtually unrestricted movement.

The search Suit contains a pocket in the front where an optional blast plate can be inserted. This upgrades the level of protection provided by the search Suit.

Components

Helmet	Aramid fiber composite lamination
	In conjunction with the high collar, providing maximum protection
Visor	Organic transparent material(With locking device attached)
Jacket Back Chip	4 layers of 410g/m ² aramid fiber woven fabrics and 10 layers of 200g/m ² aramid fiber woven fabrics
Sleeves	4 layers of 410g/m ² aramid fiber woven fabrics and 10 layers of 200g/m ² aramid fiber woven fabrics
Trousers	4 layers of 410g/m ² aramid fiber woven fabrics and 10 layers of 200g/m ² aramid fiber woven fabrics
	The unique design provides freedom of movement and optimum protection to the legs
Arms	Separate adjustable sleeves providing optimum movement
Jacket	Providing front, back, side, shoulder and neck protection, with the addition of up-armoured pocket for inserting an optional ceramic plate
Groin Protector	Protected by pants

Technical Parameter

Helmet: V50–681m/s GA 950–2011 FSP 1.1g

Visor: V50 – 581m/s GA 950–2011 FSP 1.1g

Jacket Back Chip: V50 – 423m/s GA 950–2011 FSP 1.1g

Chest blast plate and chip: 1122m/s GA 950–2011 FSP 1.1g

Sleeves chip: V50 – 403m/s GA 950–2011 FSP 1.1g



Trousers chip: V50 – 420m/s GA 950-2011 FSP 1.1g

Suit weight: 13.13kg

Helmet & Visor weight: 2.81kg

Blast Plate weight: 0.76kg

Search Bomb Suit combined with Mine Detector



11. Mine Clearance Tool Kit




Introduction



The Mine Clearance Tool kit is designed for demining work. It is mainly used to clean the surface of the mine clearance operation area, and mark the acceptable area when entering the mine field,






Specifications and configuration list

1. Quantity: 18 pieces
2. Weight: 13 kg
3. Packing size: 57x47x21mm

No	Name	Qty	Size & material	Function	Picture
1.	Hand-held pruning shears	1	Size: 220mm Opening and closing Angle: 45° opening Cutting edge material: SK5 steel Weight: 210g	Cut off branches and vines	

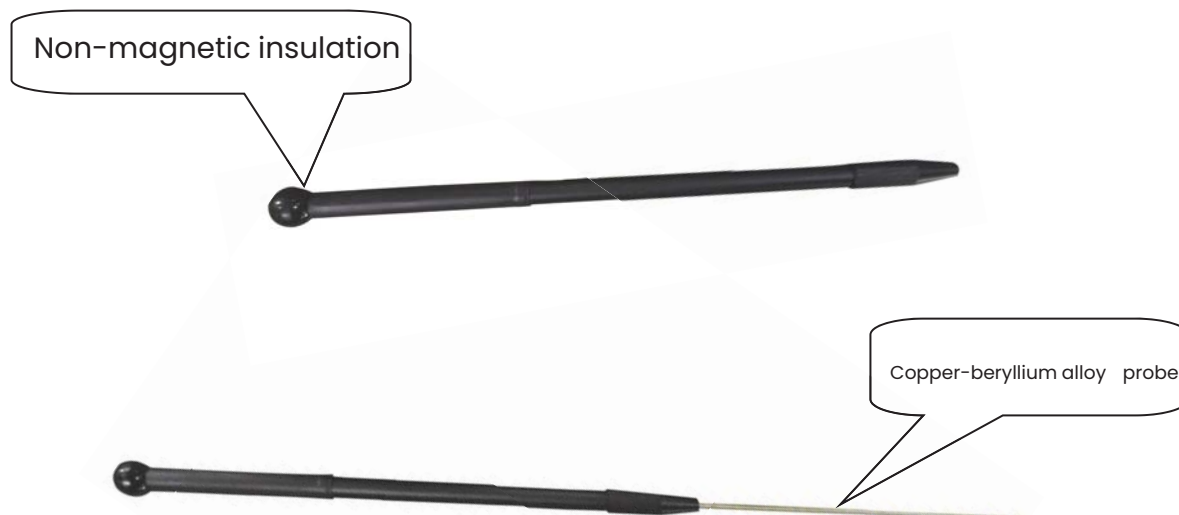


2.	Hand-held saw	1	Total length: 520mm Net weight: 595g	Saw off the thicker branches	
3.	Hammer with a handle	1	Weight: 1.22kg Material: High carbon steel Size: Total length 283mm, hammer length 105mm	Break up pieces of rock, concrete, etc	
4.	2" brush	1	Material: black bristle, solid wood handle Size: 2 inches	Clean the dust on the surface of the object	
5.	4" brush		Material: black bristle, solid wood handle Size: 4 inches	Clean the dust on the surface of the object	
6.	Grass clippers	1	Material: High carbon steel Total length: 54cm, blade length 18cm	Cut grass	
7.	Spade	1	Length: 31cm wide 5.6cm Cutting edge material: stainless steel	Dig up dirt and remove debris	
8.	Spade	1	Total length: 49cm Cutting edge material: carbon steel	Dig up dirt and remove debris	
9.	Insulating gloves	1	Material: Rubber	Hand protection	
10.	Mine marking signs	20	Height: 9cm, width: 6cm Color: Red and yellow	Mark a suspicious spot	
11.	Knee protectors	1	Material: External TPU, internal sponge	Knee protection	
12.	Magnet with handle	1	Length: 13.5cm, height: 9cm	attract metals such as iron and nickel	
13.	Multifunctional tool	1	Length 25.5cm, width: 6.5cm	Cut off branches, vines	

14.	tape measure	1	Self-locking Specification: 5 m *19mm	Measure length	
15.	Anvil loopers	1	18" Total length: 45cm Weight: 1.5kg	Cut off cables and steel bars	
16.	Hand file	1	Size: 200*14mm	Micromachining of metal, wood and other surfaces	
17.	Non- magnetic probe	1	Length: 50cm Material: Beryllium bronze probe, plastic handle	For underground or storage inspection	
18.	•Telescopic non- magnetic probe	1	Length: Expand 80cm, shrink 50cm Material: Beryllium bronze probe, aluminum handle	For underground or storage inspection	

12.Non-Magnetic Prodder

Model: C4I-NMP



Description

The non-magnetic prodder is made from Copper-beryllium alloy which is special non-magnetic materials for detecting underground or delivery goods that increases safety factor in detecting dangerous goods. No spark will be generated in a collision with metal. It is a one-piece, foldable, sectional, mine-prodder that has been designed for easy stowage by de-mining operators when breaching minefields or under-taking mine clearance work.

Features

- It can be carried in a pocket or webbing pouch.
- It is supplied with a first guard to offer protection from blast and fragments from anti-personnel mines.
- It is made from copper-beryllium alloy.
- Telescopic prodder.

Specification

Overall Length	55cm
Probe Length	18cm
Weight	0.3kg
Probe Diameter	6mm
Probe Material	Copper-beryllium alloy
Handle Material	No magnetic insulation material



13.Remote IED Wire Cutter

Model: C4I-QXQ01



Description:

The remote IED wire cutter is a rugged, spring-loaded, remote wire-triggered, highly reliable, non-explosive cable cutter. Silently cut control lines, bomb fuses or pull control cables.

Features:

- Manual spring firing mechanism. It can cut off a variety of types of cables and pull rope.
- The blade cutting section is 14mm.
- It can cut off 0-7mm multi-strand copper core cable
- The blade can be rotated to cut off the cable with a new blade edge
- Shrinkage size of wire cutter: 40mm*255mm
- Weight of wire cutter: 650g (not including accessories)

Note:

The wire cutter should not be used to cut high voltage or power supply cables in case of shock.



14. Spherical Bomb Suppression Container



Description

(Trailer Type) Spherical Bomb Suppression Container (hereinafter referred to as product or Bomb Suppression Container) is used to inhibit the blast wave generated by explosive explosion and the killing effect of debris on the surrounding environment. This product contains a Bomb Suppression Container and a trailer for transporting explosives.

This product is widely used in airports, wharves, stations, subways, stadiums, exhibition venues, squares, conference centers, security inspection sites, passenger and cargo ships, railway trains to store suspected explosive and dangerous goods, or transfer, transport explosive hazardous objects, can also be directly destroyed in the tank. It is also applicable to the storage and transportation of initiating explosive device in military enterprises, armies and mines etc.

Features

- Advantages: Reasonable structure, convenient operation, safe use and reusability
- The explosive inside the tank exploded without loud sound and debris flying out, without any damage to the explosion site.
- Switch mode of explosion-proof tank cover: Manual switch and electric switch, suitable for switching under various circumstances.
- The trailer is equipped with a driving brake system, reverse anti-braking mechanism and signal lights to ensure safe driving.



Specification

Tank Parameter					Overall Size
Explosion-Proof Ability (Kg TNT equivalent)	Tank Weight (Kg)	Gross Weight (Kg)	Dimension (mm)		L×W×H (mm)
			Inner Diameter	Caliber	
3.0	1150	1700	Φ1000	Φ700	3165X1600X1645
Control System Parameter					Overall Size
Power	Control Distance		Power Wire Length		L×W×H (mm)
AC220V±10%	30m		30m		650×280×500



15.C4I-G500 Explosion-proof Barrel



Description

The flexible explosion-proof equipment is a new generation of equipment “which can quickly and easily dispose of large equivalent explosives in a non-contact way”. The flexible explosion-proof equipment is based on a complex of the super light flexible multi-layer structure made of special liquids, high-performance fiber fabrics, aerogel and super-elastic spraying materials. It can absorb high explosive energy based on principles of momentum extraction effects and large area of global deformation.

Features

- ▶ “Flexibility in texture”-no metallic materials: made by non-metallic flexible materials and liquid.
- ▶ “Flexibility in absorbency”-flexible absorbency: absorbing energy with no collateral damage under excessive explosions
- ▶ “Flexibility in weight”-lightweight and portable: lighter than 65 kg, portable by single man. It is equipped with a 4-wheel base designed to hold the basket securely in place.
- ▶ “Flexibility in handling”-easy to handle: hollow bottom with a non-contact cover for covering explosives and built-in net pocket for containing explosives
- ▶ “Flexibility in light”-reducing shock wave and suppressing flame: reducing shock wave and suppressing flame, avoiding explosive fire, reducing psychological harm
- ▶ “Super protection”-can eliminate the harms of shock wave and high-speed fragments of 500g of TNT explosives with a safety distance of 3.5 meters.

Specifications

1. Characteristic parameter:

Total weight $\leq 65\text{kg}$, truncated cone-shaped construction, upper inner diameter $\geq 295\text{mm}$, bottom inner diameter $\geq 430\text{mm}$, max outside diameter $\leq 750\text{mm}$, height $\leq 630\text{mm}$.

2. Explosion-proof ability:

500g GTNT equivalent explosives with fragment ($\Phi 8\text{ mm}$ steel ball fragment, with TNT propellant grain weight $\geq 500\text{g}$, charge density $\geq 1.5\text{g/cm}^3$, or filling quality $\geq 200\text{g}$).

3. Safe distance: outside of 3.5 m, there's no destruction fragment, the shock wave overpressure is no more than 0.03Mpa, no lethal debris can penetrate 25mm thickness of pine board, and the explosion flame is quickly suppressed.

4. service life: ≥ 5 years

5. Application: Airport, high-speed rail, subway, convention center, gymnasium, movie theater, exhibition hall, shopping mall, bank, school, hospital, playground and other places with relatively dense personnel. It can be used indoor and outdoor environment without requirement for indoor floor height.



T200



G500



Perspective Effect T200



Perspective Effect G500



Ten Times Magnification

**Flexible explosion-proof technology series products
can be used with Portable X-ray scanner**



16.Laser Firing System

C4I-LD500



Description

The Laser Firing System is mainly composed of air-cooled 500W laser, built-in lithium battery pack, laser focusing launcher, theodolite, fixed bracket, tablet computer, packaging case, etc.

It uses the wireless transmission module to transmit signals, through the hand-held control terminal in the rear of the host in the safe area of the laser transmitter to issue commands for remote detonation, in order to achieve the rapid destruction of suspicious explosives at a distance.

The principle is to focus the laser spot on the target object through an optical lens, and form a high temperature of tens of thousands of degrees Celsius near the focus of the laser spot. When the temperature rises to the inducing temperature of the explosive charge or penetrates the explosive material, causing the target to explode.

It is mainly used in military, police, special force, public security and other departments to eliminate or leave behind ammunition, as well as ammunition items beyond the storage period. Compared with traditional explosive disposal methods, the laser firing system can significantly improve the efficiency of explosive disposal, save the cost of explosive disposal, reduce the intensity and risk of explosive disposal workers, and improve the efficiency of explosive disposal.



Features:

1. Fast assembly, which can realize the rapid expansion and assembly of the equipment within 2 minutes.
2. Far remote control distance. Remote control distance is not less than 520m.
3. The back end of the equipment is equipped with video recording and playback functions to record the scene of destruction and disposal of explosives in real time.
4. The back-end software can save screenshots of the realized screen.
5. The equipment has low light night vision function.
6. Automatic zoom design. The laser spot diameter can be automatically adjusted by driving the zoom module with different target distance.
7. Automatic camera zoom. Zoom and magnification can be manually controlled through the terminal.
8. With distance measuring function. It can realize automatic ranging and manual input target ranging distance.
9. After installation, the tablet PC can be directly connected to the host WiFi.
10. The laser power can be adjusted, and the output power can be adjusted according to different targets.
11. When the laser is emitted, the transmitting end has a sound warning.
12. With Safety control device. It is designed to ensure timely termination of laser emission and emergency shutdown function during debugging and use.
13. Stable performance, low failure rate, good safety.
14. The device is with built-in battery. It can work quickly without the external power box or with the power box.
15. It is with laser protection function. The equipment has the functions of foreign body intrusion, equipment dumping shut down laser output to protect personnel safety.
16. The main case has a battery display screen which can display the battery voltage in real time.

Parameters:

Carrying case	ABS Trolley Case
Carton size	660*510*320mm
Total weight	≤33.2KG (built-in 48V 20A battery, laser transmitter, etc.)
Camera	30x optical zoom camera; Support auto zoom, 2 million pixels; 1920X1080P resolution
Laser	Air cooled continuous transmission power ≥500W
Central wavelength	1080±10nm
Fiber length	2m
Laser power adjustment	4 gear output power adjustable
Laser beam quality	<1.2
Penetrability	<p>The distance between the optical outlet of the equipment and the target object (304 stainless steel plate thickness 2mm , size :150mm*150mm) is 100m. The penetration time is ≤32 s</p> <p>The distance between the optical outlet of the equipment and the target object (steel plate thickness 2mm, size :150mm*150mm) is 150m. The penetration time is ≤36 s .</p> <p>The distance between the optical outlet of the equipment and the target object (304 stainless steel plate thickness 2mm size :150mm*150mm) is 200m. The penetration time is ≤85 s</p> <p>Note: The penetration time is related to the size of the target and the ambient weather temperature and wind. This data is obtained in an outdoor temperature of</p>



	26 degrees Celsius, cloudy day, humidity: 72%, wind: 3-4 (18m/s) environment
Theodolite weight	≤1.3kg
Theodolite volume	≤150*149*91mm
Theodolite load	≥5kg
Ranging distance	10-500m
Background terminal	10 "windows system industrial computer
Background terminal wireless remote control distance (open and unobstructed environment)	≥520m
Destruction action distance	50-200m
Built-in battery	48V/20AH
Charger	48V10A
Charging time	≤130min
Working time	≥30min (built-in 48V20A battery)
Tilt protection Angle	The laser shuts off automatically when the tilt is greater than 5°
Calibration and aiming function	With cross center cursor and calibration function
The theodolite head is adjustable	The rotation speed is adjustable in 9 gears and the rotation direction is adjustable in 4 directions



Penetrating effect picture



17. Underground Mine Detector

Model: C4I-UMD-II



Key Features

- ▶ Target detection indicated via LED display and audio tone.
- ▶ Three preset sensitivity levels and One key "Reset" function.
- ▶ Interchangeable detection heads: Halo for big area, Probe for drains & culverts.
- ▶ Automatic self-test and calibration for operator confidence and ease of use.
- ▶ Low battery indicator.
- ▶ 5 pieces of LED alarming indicators.

Specification

Electronic Technique	Single 2.4mm PEC double surface mounted technology, the processor is based on 8-bit 2*RISC ADC (8-bit 2*instruction set AD converter)
Battery	3 LEE LR20 Manganese Alkaline Dry cell
Battery life	10-18 hours
Packing case	ABS case
Device Weight	Halo 2.1 Kg; Probe 1.65Kg
Device Weight	12Kg (device+case)
The detecting pole length	Halo: 1080mm~1370mm; Probe: 1135mm~1395mm
Maximum Detection Range	0.05gr Stainless steel at 75mm distance from the coil head
Operating and Storage temperature	25°C ~ 60°C

18.Composite Mine Detector

Model: C4I-MR1



Product Introduction

The composite mine detector is developed based on electromagnetic induction and ground penetrating radar composite detection technology, and can be used to detect various landmines or unexploded ordnance buried underground during wartime and post-war mine detection operations. It can also be used in international peacekeeping, counter-terrorism, and security inspections to search for explosives, firearms, knives, etc. buried underground, in water, and in buildings, providing accurate information for the removal of dangerous goods.

Main tactical and Technical Indicators

working quality	≤4kg
Detection distance	≥18 cm (for Type 72 anti-infantry mines)
Soil adaptability	clay, sand, magnetic soil, red soil, etc.
Continuous working time	not less than 4 hours
Alarm mode	with sound, image, vibration alarm mode
sensitivity adjustment function	high, medium, and low sensitivity levels can be set
Working temperature	-40 ~ +50 °C
waterproof (rain)	can work in medium rainfall and water depth of 1 m

19.The Advanced Hook and Line Tool Kit





Model:C4I-HL01




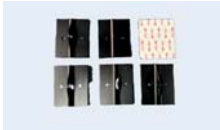










Description

The Advanced Hook and Line Tool Kit is for Explosive Ordnance Disposal (EOD), Bomb Squad, and Special Operations procedures. The Kit features high quality components, stainless steel hooks, high-strength marine-grade pulleys, low-stretch high grade Kevlar Rope and other essential tools made specifically for Improvised Explosive Device (IED), remote movement and remote handling operations.





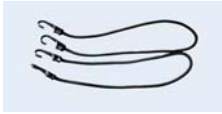

Accessories

No.	Description	Picture	Qty
1.	Reel Main Line		1
2.	Pulling Handle		1
3.	Hook, Plain Tip, 1/2 inch		1
	Hook, Plain Tip, 1 inch		2
	Hook, Plain Tip,		2
4.	2 inch Hook, Double		2

5.	Gap Hook		1
6.	Hook with Spring Gate		1
7.	Strap Cutter		1
8.	Anchor Pads		5
	Self-Adhesive		15
9.	Anchor — Wall Nut		2
10.	Suction Anchor		2
11.	Wood Screw Eyes		5
12.	Piton		2
13.	Cantilever Jaw		1
14.	Snatch Block Pulleys, Standard		2
15.	Snatch Block Pulley, Self—Opening		2
16.	Pulley Opener		2

17.	Search Mirror		1
18.	Seizers/Forceps		2
19.	Strap Cutter		1
20.	Clamp - Center Line Branch		1
21.	Light weight spring clamp		1
22.	Needle Nose Clamp		1
23.	Vise Jaw Grips		1
24.	Large Mouth Vise Jaw Grips		1
25.	Rubber Door Wedges		2
26.	Carabiner (Can self-locked)		2
	Carabiner (Can not self-locked)		2
	Carabiner (Two locks combined together)		2
27.	Bar Clamp		1
28.	Extension Rod Anchors		1
	connecting rod		4



29.	Telescoping Pole		1
30.	Endless Loop Slings (Two long/ Two short)		4
31.	Sling Webbing (One long/One short)		2
32.	Wire Rope Sling (One long/ One short)		2
33.	Shock Cord (Two long/Two short)		4
34.	Rope Sling (One long/One short)		2



20. Handheld Trace Explosive Detector



Description

The newly developed product is one of portable trace explosive detector with the highest detection limit and the most explosives in the domestic and foreign markets. The excellent ABS polycarbonate casing is sturdy and elegant. The continuous working time of single battery is more than 8 hours. The cold start time is within 10 seconds. The TNT detection limit is 0.05 ng level, and more than 30 kinds of explosives can be detected. The product is calibrated automatically.

Features

- Fluorescence based
- No radioactive source
- Automatic calibration
- High sensitivity and low false alarm rate
- Quick start and detection speed
- Broad explosive identification
- Convenient operation



Specifications

NO	Technical Specs	
1	Technology	Amplified Fluorescent Polymer Quenching Sensor
2	Analysis time	≤5s
3	Start-up time	≤10s
4	Sampling method	Particle and Vapor
5	Detection Sensitivity	Particulate: TNT LOD ≤0.05ng
		Vapor: PPM
6	Operating TEMP	- 20 °C ~ 55 °C
7	False alarm rate	≤ 1%
8	Power Consumption	7.5W
9	Rated voltage	7.4V
10	Rated Capacity	65.5Wh
11	Rated Energy	8850mAh
12	Display Screen	3"TFT Color display Screen
13	Com Port	USB2.0
14	Data Storage	≥100000pieces of record
15	Battery	Two Li-ion Rechargeable Battery
16	Battery Working Time	Single battery time up to 8 hours
17	Battery Charging Time	≤3.5hours
18	Alarming method	Visual / Audible / Vibration
19	Dimensions	300mm × 106mm × 71mm
20	Weight	≤1.05kg including battery
21	Protection Level	IP53
22	Substances detected	Military, Commercial, and Homemade Explosives Including:TNT, DNT, MNT, Picric Acid, RDX, PETN, TATP, NG, Tetryl, HMX, C4, NA, AN, Black Powder, and others.



21.EOD & IED Electronic Stethoscope

Model:C4I-808



Description

EOD & IED Electronic Stethoscope is a kind of professional listening equipment which uses radio frequency technology to detect the suspicious mechanical displacement device in the target area.

Electronic Stethoscope can detect electronic pointer timing detonators and mechanical timing detonators hidden under various packaging coverings. Electronic detonating devices include timing detonating devices made of electronic watches, pagers and various remote control devices. It can also be used as an anti-reconnaissance security technology to detect electronic eavesdropping devices and covert video devices. It has the characteristics of high sensitivity, long detection distance, strong ability to penetrate the packaging cover, and easy to carry and use.

Features

- ◆ High positioning accuracy: the product adopts radio frequency listening detection technology, with the characteristics of high precision positioning;
- ◆ Low noise: using the built-in non-destructive sound detection technology and noise elimination technology, realistic restoration of the original sound;
- ◆ Human-computer interaction intuitive: LCD display sound waveform, external speakers;
- ◆ Open-use: simple operation, boot available;
- ◆ Long standby time: low power consumption, the equipment can be used for a long time;
- ◆ Safety no radiation: meet the national electromagnetic radiation safety requirements, absolutely safe for human body.

Parameters

Antenna polarization mode	circular polarization
Display	LCD display
Noise reduction headset	noise reduction capacity $\geq -20\text{dB}$ (A)
Battery working time	$\geq 10\text{h}$
Battery type	lithium battery
Temperature range	$-30^{\circ}\text{C} \sim 55^{\circ}\text{C}$
Leakage current	$\leq 0.1\text{mA}$
No shelter detection distance	Mechanical watches: $\geq 4.0\text{m}$
	Electronic pointer type clock: $\geq 0.8\text{m}$
	Electronic digital display clock: $\geq 0.8\text{m}$
	Penetrating ability
Mechanical watch	100mm thick polyethylene foam +200mm thick A4 printing paper (70g)
Electronic clock	100mm thick polyethylene foam +100mm thick A4 printing paper (70g)
Electronic digital display clock	100mm thick polyethylene foam +100mm thick A4 printing paper (70g)
Product size	211mm*141mm*155mm
Weight of detection host (including battery)	0.992kg
wireless monitoring function	$\geq 30\text{m}$
Enclosure protection grade	IP65



22. Dual Mode Explosive and Drugs Detector

Model: C4I-IMS-311



Description

The device is based on the principle of ion mobility spectrum (IMS), using a new non-radioactive ionization source, which can detect and analyze trace explosive and drugs particles, and the detection sensitivity reaches the nanogram level. The special swab is swabbed and sampled on the surface of the suspicious object. After the swab is inserted into the detector, the detector will immediately report the specific composition and type of explosives and drugs.

The product is portable and easy to operate, especially suitable for flexible detection on site. It is widely used for explosive and drugs inspection in civil aviation, rail transit, customs, border defense and crowd gathering places, or as a tool for material evidence inspection by national law enforcement agencies.

Performance Advantage

- High safety, using non - radioactive ionization source
- Non-radioactive IMS technology, high sensitivity and low false alarm
- High detection efficiency, continuous detection, automatic calibration, sound-light alarm, automatic cleaning, self-diagnosis, without extra manual operation
- New Android system makes operation much easier and efficient
- Simple and beautiful appearance design, light weight, easy to carry
- Good human-computer interaction design, with 7-inch TFT LCD touch screen
- Multi-data interface and supporting software, storage of 500,000 raw data

Technical Specs

Technology	IMS (Ion mobility spectroscopy technology)
Analysis time	≤8s
Ion Source	Non-radioactive ionization source
Detection mode	Dual mode (explosive mode and drug mode)
Cold Start-up time	About 20min
Sampling method	Particle collection via wiping
Detection Sensitivity	Nanogram level (10^{-9} – 10^{-6} gram)
Substances detected	TNT,RDX,BP,PETN,NG,AN,HMTD,TETRYL,TATP, etc.
	Cocaine,Heroin,THC,MA,Ketamine,MDMA, etc.
False alarm rate	≤ 1%
Power Adapter	AC 100–240V, 50/60Hz, 240W
Display Screen	7inch LCD touch screen
Com Port	USB/LAN/HDMI
Data Storage	32GB, support backup through USB or Ethernet
Battery Working Time	More than 2 hours
Alarming method	Visual and Audible
Dimensions	412mm×158mm×170mm
Weight	4.8kg including battery
Storage Temperature	– 40 °C ~ 60 °C
Working Temperature	– 10 °C ~ 55 °C
Work Humidity	<93% (non-condensing)
Working Air Pressure	60 Kpa~160 Kpa



View of the device





Carrying Case





23. Mobile Dual Mode Under Vehicle Scanning System

Model: C4I-UVDM-DMC



Product Introduction:

C4I-UVDM-DMC is composed of Under Vehicle Scanner, License Plate Recognition Camera, Mobile Server Cart, Speed Ramp and so on. All components can be packed into the Mobile Server Cart and very easy to move to the security check point. There are rugged battery installed in the Mobile Server Cart as well, which provides up to 8 hours of work time.

C4I-UVDM-DMC can effectively scan and inspect the chassis of vehicles to search and analyze for suspicious objects or contraband such as drugs and weapons. The system is ideal for government, military, transportation and corporation facilities requiring security checkpoints for vehicles such as vans, tractor trailers, buses and passenger vehicles.

Except chassis, the LPR Camera and optional Surrounding Cameras in the system can capture video clips of vehicle in different direction, provide all-round surveillance.

Dual Mode Scanning System Introduction:

C4I-UVDM-DMC is a Dual Mode Under Vehicle Scanning System, which can generate area scan image and linear scan image simultaneously and thus have benefits from both technology.

Linear scan technology guarantee high image generation rate, regardless of harsh environment and lens contamination.

Area scan technology guarantee low distortion and consistent images for same vehicle, and make it possible for further AI algorithm.

Advantages:

- Dual mode scanner, generate area scan image and linear scan image simultaneously.
- High resolution imaging, output 4096P color images.
- Real time imaging, scanned parts of chassis will show up on display in real time.
- Support vehicles with different height of chassis, no limitation for vehicle length.
- Embedded bi-directional triggers, support bi-directional scan.
- Bi-directional LPR function can capture and recognize both front and rear license plate(Each country has different license plate forms,which need to be communicated in advance).
- Built rugged with stainless steel, designed to withstand harsh environments.
- Provides all kinds of ISP functions, such as Brightness adjust, Saturation, Color Balance etc.
- Support high vehicle speed, up to 45km/h.
- Battery embedded in the Mobile Server Cart, which provides up to 8 hours of work time.
- 27 inch IPS 1080P monitor, help inspection details of chassis.

Technical Specification:

Under Vehicle Scanner	
Area scan speed	Forward: 0 – 45 km/h, Backward: 0 – 15 km/h
Linear scan speed	Forward: 0 – 20 km/h, Backward: 0 – 20 km/h
Height limit	80 – 2000 mm
Width limit	< 4500 mm
Length limit	No limit
View angle	> 180°
Resolution	> 10000 x 4096
Capture rate	> 99.9%
Imaging time	Real time



Auto exposure	Support
Protector material	304 stainless steel
Load bearing	40 tones (vehicle weight)
Dimension	590mm x 300mm x 69mm
Weight	22 KG
Working temperature	-40 - 70
Protection level	IP68
Mobile Server Cart	
Server	CPU: i5, Memory: 4G, Hard disk: 128G
Monitor	27 inch, IPS, 1080P
Battery	48V, 11Ah
Operate time	> 8 hours
POE	8 ports 10/100/1000M RJ45
POE Standard	IEEE802.3af/at
ETH	1 port 10/100/1000M RJ45
Power supply	AC 220V
Working temperature	-10 - 50
Dimension	774mm x 677mm x 514mm
Weight	40 KG
License Plate Recognition Camera	
Sensor	1/2.8 inch CMOS
Resolution	1920 x 1080
Video codec	H264, H265
Image codec	JPEG
De-noise	3DNR
Dynamic range	96db
Aperture	Fixed aperture
Capture rate	> 99.5%
Power consumption	< 24W
Working temperature	-10 - 50
Protection level	IP65



24. Portable Under Vehicle Search Camera

Model: C4I-PUVD03



1. Function and Features

- Using 7-inch HD 1080P display screen, image display is clear.
- Using high quality HD wide angle camera, the FOV is wider.
- The main mechanism adopts carbon fiber tube, which greatly reduces the weight and makes it more portable and convenient folding structure. The movable telescopic rod and universal wheel chassis allow the operator to flexibly adjust the angle when using, which is very convenient and labor-saving.

2. Application Fields

- It is used to check whether there is contraband in parking cars at sports, important meetings, local police stations, hotels, large factories, stadiums, cinemas, theaters, conferences and so on.
- It is used for airport security, parking inspection, military area inspection, private car inspection, etc

3. Technical Parameters

Screen	LCD Screen	7.0 inch color
	Display Resolution	1920*1080
	Display Brightness	800 cd/sqm
Camera	Image Sensor	1/2.9" CMOS
	Minimum Illumination	0.01 Lux@F1.2; Black and white 0 Lux (IR open)
	Signal / Scan system	PAL / Progressive scanning
	Electronic shutter	Auto/Manual (1/5-1/50000 second)
	Day-night mode	ICR filter
	Fixed-focus lens	1.8mm
	IR Distance	10m
	Horizontal speed	Horizontal 355° continuous rotation,
	Vertical Speed	speed 0-25°/s Speed 0-20°/s
	Vertical range	0-90°
	FOV	Horizontal: 140° / Vertical: 120°
	Maximum Image Size	1920*1080
	Power Supply / Consumption	DC 12V 1A 10W
	Operating temperature and humidity	-10 ~ +50 , ≤90%RH(No condensation)
Power System	Battery	2600mah*2
	working voltage	12v
Appearance	Folded dimension	740x220x180mm
	Expanded length	1940mm
	Net weight	1.8kg



4. Real shooting pictures





25. Hazardous Liquid Detector

Model: C4I-LIS03



Description:

Hazardous Liquid Detector is a security device designed for examining the safety of liquid in sealed containers. Without opening the container, security personnel can receive instant feedback from the device and make decisions about whether the liquid is hazardous to public safety or not.

With its high level of performance and precision and without complicated operations, Hazardous Liquid Detector can instantly give results from the liquid with one single scan, which makes it compatible and efficient for security check in public places with large amounts of people, especially for airports, train stations and government agencies.

Features:

- ▶ Inspection without opening container
- ▶ Have the ability to detect non-metal and metal containers simultaneously
- ▶ 1-second minimum for inspection, adaptable to public with heavy streams that require efficiency.
- ▶ Low False Alarm Rate
- ▶ Harmless Operation for Human Body



- ▶ Easily Noticeable with Sound/ Signal/ LCD Alarm.
- ▶ Maintenance and Adjustments Unneeded
- ▶ Waterproof & Fireproof Metal Shell
- ▶ Alarm reset: The device can reset automatically after an alarm for the next detection
- ▶ With power on self calibration function
- ▶ Automatic Counting Function: It can automatically calculate the amount of liquid detected in the current day

Technical Specs:

Inspection Object	Flammable, explosive and corrosive dangerous liquid
Container Material for Inspection	Plastic /Glass/ Metal/Pottery
Container size for Inspection	Plastic/Glass/Pottery: 50mm ≤ diameter ≤ 170mm
	Metal: 50mm ≤ diameter ≤ 80mm
Detectable Effective Distance	The liquid is 30mm away from the bottom of the container
Inspection Time	Plastic/Glass/Pottery container, 1s; Metal, 6s
Liquid Volume for Inspection	≥100ml
Alert Type	Sound/ Signal Light/ LCD Display
	Green light with a short alarm shows safe liquid
	Red light with buzzer sounds for long time shows dangerous liquid
Start Time	5s
Language	English
Detection Technology	Ultra wide-band pulse reflection method and Thermal conductivity measurement method



Data Storage	100,000 pcs of inspection results
Data Export	Export data to PC to read and analyze by USB port
Relative Humidity	0-99% Non-condense
Operating Environmental	0-40°C
Shell Materials	ABS + Stainless
Weight	5.4kg
Size	390×360×140mm
Power Supply	AC100-240V(50/60Hz)
Power Consumption	<10w
Carrying Case	Anti-water and Anti-shock ABS case

Detectable types of Liquid:

Gasoline, Diesel oil, Nitromethane, Ethylene dichloride, Toluene, Benzene, Nitrobenzene, Acetone, Methanol, Ethanol, Ethylene glycol, 70% Isopropanol, 40% Acetaldehyde, Ether, Isopropyl ether, Banana water, N-hexane, 70% Ethanol, Epoxy propane, Paint, Rosin water, Paint thinner, Turpentine, Sulfuric acid, Hydrochloric acid, Nitric acid, 30% Hydrogen peroxide, N-pentane, Acetic acid, Oleic acid, Kerosene, Xylene



26. Under Vehicle Search Mirror

Model: C4I-CD-2



Features

- The handle is made of aluminum alloy material which is light and high-strength, capable of long-time operation.
- Convex mirror is made of strong acrylic material, it is safe and light
- Rod 180° design, maximum limit detecting vehicles and others objects
- The material of mirror has high-strength plastic protection, to prevent the mirror from being scratched.
- Front-end LED light bar Mosaic design, energy saving, waterproof, easy to work at night
- The handle is telescopic, it can be extended rapidly.

Application

1. Gym -- check every chair in the gym for explosives.
2. Theater --venue ---- check every chair in the theater for explosives.
3. Hotels -- mainly the public security personnel check the rooms that senior leaders are going to stay in, and check whether there are explosives, pinhole cameras and other prohibited items on the ceiling.

in, and check whether there are explosives, pinhole cameras and other prohibited items on the ceiling.



- 4 The bottom of the car ---- this is the most common place where terrorists commit crimes, so it is also the public security personnel to use the mirror to check whether there are explosives under the car.

Technical Parameters

Pole length	42-110 cm adjustable
Pole Material	Aluminum Alloy
Weight	3.25kg/piece
Mirror size	30*30 cm square convex mirror
Mirror material	Acrylic plastic
Illumination	Front-end LED light bar
Bottom	With 4 rotation wheels

27. Telescopic Inspection Mirror

Model: C4I-TM



Feature

- The device has high flexibility.
- It is easy to be carried and operated.
- It can be used at night as equipped with flashlight.
- The handle is telescopic.
- The angle of the mirror can be adjusted.

Specification

Length of Telescopic Pole	560mm-1770mm Adjustable
Diameter of Mirror	150mm
Material of Mirror	Convex mirror surface
Power Supply	Alkaline battery, working up to 7 hours continuously.
Weight	0.7kg



28. Portable Walk Through Metal Detector

Model: C4I-1313



Features:

1. Potable, Install and disassemble within 5 minutes.
2. There are three individual detect zones.
3. Head-to-Toe, Zone Specific Detected.
4. Self test and Self calibration once power on.
5. LCD touch screen, simple operation.
6. 300 adjustable sensibility levels.
7. The battery can continuous working for 40hours.
8. It is made of ABS Polycarbonate alloy material, strong impact resistance and permanent
9. Digital I/O keypad with security access control, Brilliant LED Bar Graph Indicates.
10. Multi-doors can be put side by side at intervals without mutual interference.
11. Automatically recording number of people passed and alarming times.
12. Independent detection and LED displaying on the right, center and left zone.
13. High capability of anti-interference: the adoption of digital,analogy and left and right can prevent false or omitted alarming,which greatly enhance the capability of anti-interference.
- 14 Low intensity magnetic field that is harmless to heart pacemaker installed in human body, pregnant women, magnetic floppy, recording tapes and more.

Technical Parameters:

Operating temperature	-20°C to +70°C
Relative Humidity	95%, non-condensing
Protection Level	IP55, UV protection
Folded Dimension	L950 x W600 x H620mm
Passage Dimension	L810 x W790 x H2120mm
External Dimension	L810 x W1180 x H2240mm
Packing Dimension	L1065 x W675 x H705mm
Net Weight	35kg
Gross weight	56kg
Certificate	CE



29. Mobile Electronic Device and Metal Detector

Model: C4I-5000



Description

HW5000 adopts ferromagnetic detection (FMDS) technology, which is adept at detecting small and hidden hazards, especially effective in data-recording device as well as small weapons like mobile phones and knives. The mobile electronic device and metal detector has a partition display function, which makes it easier to find the location of contraband and improves work efficiency.



Features

- 1. Superior Detection Capabilities:** More accurate, sensitive and reliable than traditional metal detectors or hand-held security detectors, capable of detecting all types of electronic products as well as metals like guns, mobile phones, recording devices, hard drives, hand trackers, etc.
- 2. Partition Display:** The location of ferromagnetic objects or contraband can be displayed in FIVE (5) zones, making it easier to find.
- 3. Fast charging:** This model is equipped with a large capacity 27AH lithium battery as power supply, and less than 3 hours to be recharged fully.
- 4. Easy Installation:** It weighs only 20kg and can be moved to any position with the included base, and it can be wall-mounted too.
- 5. Easy to Use:** Sensitivity can be adjusted quickly and easily to meet the detection requirements for screening personnel with different security levels.
- 6. 100% Safe:** It is a passive detector without any kind of radiation and absolutely safe for everyone, including pregnant women or those with implants.
- 7. Maintenance-Free:** Unlike other technologies, it requires no calibration, no annual battery replacement and no maintenance.
- 8. Concealed Screening:** Can be placed behind objects, doors, and walls made of concrete, drywall, cinder blocks, and steel studs to realize invisible searching.
- 9. High Flow Function:** Screens up to 40 people per minute and thousands of people on a single charge.

Technical Specs

System Structure	Column, movable	
System Setting Mode	Touch buttons. Setting parameters: sensor sensitivity, alarm range, audio volume, voice volume, light brightness, delay setting, alarm switch, etc.	
Number of Fluxgate Sensors	Five	
Intelligent Alarm	Non-magnetic metal objects passing by without alarming	
Detection Function	Omnidirectional 360 degree	
Alarming Mode	A. Light alarming / B. Audible Alarming	
Light Alarming	Green Light and Red Light	
Buzzer Volume	0 to 100 dB	
Detecting Distance	0~2 m	
Waterproof Level	IPX4	
Detection Sensitivity	Digital control, multiple levels adjustable	
Anti-Interference Ability	Automatically adapt to surrounding electromagnetic interference	
Reset Time	0.2s	
Power Supply	Rechargeable Li Battery	Working Time ≥ 24hours
	AC Power	AC 100~240 V, 50/60Hz
Working Environment	-20 ~ 70	
Relative Humidity	0 ~ 95%	
Height of Pole	177cm	
Height of Complex device	180cm	
Weight of Complex device	20kg	
Packing Dimension/Carton	Pole: 188*20*17 cm / Weight: 7kg Base: 70*39*30 cm / Weight: 14.5kg	

30. Hand-Held Metal Detector



Technical Data

Power supply	9 V Alkaline battery
	9V NiMH rechargeable battery
Operation time	9V Alkaline battery: up to 80 hours
	9V NiMH rechargeable battery: up to 40 hours
Net weight	409 g
Dimension	L415mm x W85mm × T40mm
Alarm Mode	Audible, Light, Vibration
Operation temperature	-20 °C~65 °C
Relative Humidity	0~95% Non condensation
Super High sensitivity	Yes
Operable by pushing one button	Yes
Visible indicator of low battery charge	Yes



31. Telescopic Pole Camera

Model: C4I-VD50



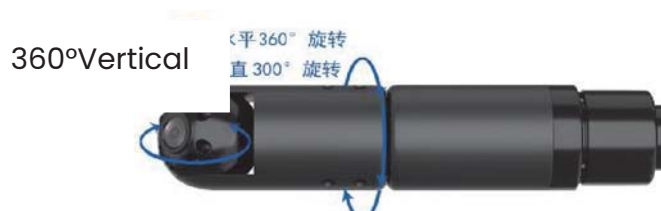
Carbon fiber telescopic pole

Features

1. 2 million HD color camera with night vision.



2. Rotating probe, horizontal rotation 360 degrees, vertical rotation 300 degrees, full-view observation;



3. The lightweight carbon fiber telescopic probe rod makes the inspection more flexible, extended length is 3.5 meters long and unextended length is about 1.15 m long.

4. 7 "color LCD display reflects clear and eye-catching images, with camera and video storage function, record at any time;



5. Lightweight and portable design. It adapts to multiple environments. Multi-angle comprehensive inspection;
6. High brightness lighting source, infrared light source, which can ensure normal use in the dark environment;

Parameters

Probe	
imaging sensor	High resolution 1/3" Sony CCD HD probe, DSP color processing
Resolution	2 million pixels
Minimum illumination	0.01lux;
Synchronizing system	internal synchronization
gain control	automatic
Signal Noise Ratio	More than 46dB;
Electronic shutter speed	Automatic (PAL: 1/50-1/100, 000 s) ;
Video output	1.0Vp-p 75Ω;
Camera parameter	
Backlight compensation	automatic adjustment



Resolution of lens	1920*1080
Angle of view of the lens	≥125°
Camera rotation	Horizontal rotation 360°, axial rotation 300°
Control mode	Electric remote control
Auxiliary light exposure distance	≥3m
Auxiliary light exposure area	Visual area 80%
Lighting source and telescopic pole	
Light source type	IR LED
Lighting method	8 LED auxiliary light sources, can work in full black environment
Telescopic pole material (optional)	Carbon fiber
Expansion length (optional)	3.5m
Transmission line	Built into the telescopic pole (more than 5 meters in length external line)
video system	
Display size	7 "color high definition LCD display
Brightness	350cd/
observation	Mirrorable observation
Angle of display	Up and down 180 degrees, adjustable Angle



Scale plate	With ruler reference comparison function, can be turned on and off through the menu
Negative film	With color negative film function, can be turned on and off through the menu
Stored record	
image storage	Video AVI, 1920*1080, Picture JPG, 1920*1080 (16:9)
Memory card	16G TF card (Expandable to 128GB)
Amplification	Supports image magnification in preview mode
loop video	Three minutes, ten minutes, fifteen minutes
Function	Take pictures, video, zoom in and out, scale, negative film
Power supply and others	
Rechargeable batteries	Nominal voltage 12V, capacity 10Ah;
Working hours	It can work continuously for 6 hours
Image output mode	AV output, USB2.0, HDMI HD output interface, can be transferred to the large display screen to watch.
Dustproof and waterproof class	IP65
Operating temperature	-20℃—60℃;
Operating relative humidity	10%—85%;
Language	Chinese/English

32. Video Endoscope

Model C4I-NKJ-5P



Description:

The video endoscope is used to observe whether there are suspected contraband and hidden personnel in small dark spaces, and also to observe the situation in houses or other spaces that are not easy for personnel to enter. It is suitable for public security, armed police, fire protection, procuratorate, customs and other security departments to conduct security check, explosive disposal, anti-smuggling, criminal investigation, search and rescue, etc.

Specifications

Probe diameter	Φ5.5mm
Pixel	450,000
DOF	10~80 mm
Field angle	80°
Sensor size	1/9
Lighting mode	LED lighting
Brightness adjustment	7 levels manually



Illumination	60000lux
Effective working length	1050mm
Probe tube material	wear-resistant, oil-resistant, anti-corrosion tungsten wire woven net
Bending control	360° bending in any direction
Shell material	ABS
Display	5-inch TFT highlight display
Image resolution	480*854
File format	The image is in jpg format and the video is in avi format
Image magnification	Real-time image up to 8 times magnification
Image preview	View, delete, and time watermark operations can be performed in preview mode
Menu language selection	Chinese, English, Russian and other 12 languages are optional
Storage medium	Standard 32G capacity TF card
Guidance control	Mechanical damping rocker
Host size	280mm*130mm*105mm
Host weight	About 490g (including battery weight)
Protection level	Host IP55, probe IP67
Working voltage	4.2VDC
Working time	About 3.5 hours on a single battery
Power supply	2 3.7v3500mah 18650 lithium batteries
Charging method	Host type-c port charging, 18650 battery external charging
Host system operating temperature	-10°C - 60°C
Video probe operating temperature	-10°C - 70°C
Storage temperature	-20°C - 60°C
Relative humidity	15% - 90%

Configuration list

S.N	Item	Quantity
1	Video endoscope	1
2	Battery	2
3	Charger	1
4	Memory card	1
5	Cable	1
6	Card reader	1
7	Manual	1



33. Telescopic IR Search Camera

Model: C4I-TPII



Description

The telescopic IR search camera is a highly versatile which is designed for the visual inspection of the illegal immigrants and contraband in the inaccessible and out-of-sight areas such as upper floor windows, sunshade, under vehicle, pipeline, containers etc.

The telescopic IR search Camera is mounted onto a high-intensity and lightweight carbon fibre telescopic pole. And the video will be changed to black and white in very low light conditions through IR light.

Technical Parameter

Sensor	Sony 1/2.7 AHD
Resolution	1080P
Gain Control	Automatic
Backlight Compensation	Automatic
Lens	Water-proof, IR lens
Display	7 inch 1080P HD screen (with sunshade cover)
Memory	16G (Max. 256G)
Power	12 v
Material of Pole	Carbon Fibre
Length of Pole	83cm - 262cm
Total Weight	1.68kg
Packing Materials	ABS water-proof & water-shock case



34. Hand-held Raman Detector

Model: C4I-Raman-II



Description

Handheld Raman Detector is an integrated portable rapid detection and analysis equipment. Through Raman spectroscopy technology, rapid qualitative detection of common drugs, explosives, flammable and explosive dangerous chemicals can be achieved to meet the requirements of on-site and mobile detection.

Technical Specs

1. Spectral Resolution: 5.7cm^{-1} ;
2. Spectral Range: $(117-3522)\text{ cm}^{-1}$;
3. Weight: 508g;
4. Line width of light source: 0.056nm.
5. Central wavelength of light source: 784.89nm.
6. Detection time: 9s.
7. Sensitivity: characteristic peak detection.
8. Light source output power: output power 510.2mW, and continuously adjustable.



9. Laser wavelength stability: 0.05nm.
10. Frequency shift repeatability: 0.00cm⁻¹.
11. Frequency shift value error: 1.58cm⁻¹.
12. Working temperature: 5°C ~ 40°C.
13. Working humidity: humidity ≤80%.
14. Working power supply: built-in rechargeable lithium battery, with battery power display, visual display of the remaining battery power, to ensure that the working time about 5 hours.
15. The instrument needs to have an external trigger detection button.
16. Screen: 5.2 inch LCD screen.
17. Test sample form: constant solid, powder, film, liquid.
18. SNR: 600:1@100ms.
19. Electronically controlled laser shutter, 2048×64 pixel CCD.
20. Raman special frequency stabilization laser, 8-hour power stability is better than 1%; Temperature stability ≤0.01nm/°C.
22. The spectrometer detection integration time and laser power is adjustable, integration time 1ms-30min.
23. Ruili scattering up to depth OD>8.
24. Spectral intensity repeatability ≤0.1%.
25. Thermal stability drift ≤1cm⁻¹.

System Software

1. Detection management: The category of detection items is clear, the software is simple to operate, the test results can automatically identify the test results.
2. The instrument has automatic calibration function.
3. All test results can be automatically compared by the instrument.



4. The software operating system is simple and suitable for non-professionals to use.
5. The software supports self-built detection classification, and can flexibly set common detection categories according to needs, and can set multi-level detection classification.
6. The test results can be automatically saved and can be queried in chronological order, the test record should contain the sample description, test results, test time, operator, sample photos (the equipment can take photos directly).
7. The software test results provide the optimal item of pure sample matching and the list of suspected mixtures that may exist.



35. Non-linear Junction Detector

C4I-801



Brief introduction

C4I-801 is a non-linear junction detector. It can detect any electronic equipment hidden in walls, floors, ceilings, lamps, furniture or containers. Whether these electronic devices are transmitting signals or not, they are alerted by display, vibration and sound prompts, so that the detectors can focus on the hidden targets.





Technical Principles:

Non-linear junction detector emits S-band fundamental wave to the target area or object, and the receiver captures the second and third harmonics generated by the target object. Artificial intelligence algorithm is used to analyze the harmonic law, so as to detect and identify the electronic equipment with non-linear junctions.

Application scenarios:

It can be widely used in government, public security, prison, justice, army, education examination, business security and personal privacy protection, etc.

Business Safety: Detecting unauthorized electronic devices, such as listening-in device, mobile phones and devices with SIM cards, hidden in company board rooms or secret offices;

Public Safety: Detecting electronic devices hidden or prohibited from use in safe areas, such as detonating devices, remote controllers, etc.

Personal Privacy Protection: Hidden cameras and surveillance devices such as recording pens, cameras, etc. in residential buildings and hotels.

Product highlights:

High positioning accuracy: The product uses 2400MHz radio frequency detection technology with high precision positioning characteristics.

High semiconductor recognition ability: the product built-in spectrum analyzer supporting second and third harmonic detection can quickly and effectively identify devices containing semiconductors.

High Sensitivity: Especially for SIM card devices with high sensitivity, to ensure that secrets, mobile communications equipment can be quickly detected.

Low false alarm rate: built-in nondestructive detection algorithm greatly improves the detection capability, and the false alarm rate is very low.

High Safety and reliability: meets the requirements of electromagnetic radiation and absolute safety to human body.

Flexible operation: support automatic transmission power and manual mode selection, easy to operate manually

Friendly Man-machine interface: support OLED visual graphical interface, vivid display of power emission level and second and third harmonic graphics, easy to operate.

High cost performance: with the world most cost-effective, cost-saving and excellent performance.



Product Specifications:

parameter	Technical index
Product working frequency band	2400MHz
working voltage	7.4V
frequency range	2.404 GHz - 2.472 GHz
Receiving 2nd~3rd Harmonic Range	4.808 GHz-4.944 GHz, 7.212 GHz-7.416 GHz
Pulse mode transmit power (maximum)	0~4W (ERIP)
Power Control	Manual or Auto control
Receiving sensitivity	Less than -140dBm
Battery Working Time	4H



Battery type	Replaceable lithium battery,
Charging time	2.5H
Interactive interface	LCD Displays Received Harmonic Signal Intensity
	Audio prompts are supported and headphones can be connected.
	Supporting Vibration Tips
Detection distance	GPS module: 300-500mm Mobile phone: 150-220 mm Secret recording equipment: 90-120mm
Product size	750(L)*114(W)*108mm(H)
Outer box size	700(L)*330(W)*180mm(H)
Product weight	1.6kg
working temperature	-30C ~45 C
Working humidity	No more than 92%, no condensate



37. Vehicle Chassis Detection Robot

Model: C4I-001



Introduction

The vehicle chassis detection robot is a detection device that combines multiple technologies such as machine vision, image recognition, and intelligent car control. Through wireless control of the robot's motion on a flat panel, it can easily inspect the real-time condition of the vehicle bottom, greatly reducing inspection time, effectively reducing work intensity, and improving inspection efficiency. Used to inspect the chassis of various vehicles, it can carry out safety inspections on stations, docks, airports, venues, etc., or inspect the interior seats of trains and airplanes. It can be widely used in car maintenance, modification inspections, large-scale event security checks, explosion-clearance under the car, customs anti smuggling, public security investigations, etc

Features

- High definition white light+infrared thermal imaging dual cameras
- All-round real-time monitoring without dead ends
- Intelligent wireless control terminal operation
- Laser radar ranging, intelligent avoidance



- All-wheel drive control
- Larger load capacity and smooth driving
- Flexible and convenient operation

Product Parameter

Robot body weight	3.9Kg
Controller weight	1.1Kg
Body size	300mm*289mm*100.6mm
Controller size	285mm*164mm*51.5mm
Camera rotation	0-72 degrees overhead rotation
Maximum speed	750mm/s
Maximum obstacle height	14mm
Load weight	2.5Kg
Operating voltage	22.2V
Working hours	4~6H
Maximum climb Angle	24 degrees
Maximum control distance	Open environment>100m, complex environment around 50m
Lighting	6 high brightness LEDs
Display	8.8 inches(resolution 2560 * 1600)
Driving camera	4 million pixel high-definition camera+thermal imaging probe
Protection level	IP53, customizable IP65
Movement mode	forward/backward/left/right translation/counterclockwise/clockwise rotation in place

38. Mobile Phone Signal Jammer

Model: C4I-CPSB-III(5G)



Description

The mobile phone signal shielded from the low to high end frequency during the working process. The scanning form garbled -weight interference in the mobile phone receiving message signal.

Mobile phone signal jammer can be used for indoor places where needs signal shielding, such as: test rooms, classroom, conference room, government VIP rooms, etc.

Technical Specification

Types of shielded signals	2G, 3G, 4G, 5G, Wi-Fi, Bluetooth, etc
frequency band	3400-3500MHZ



	2010-2025MHz
	5150-5350MHz
	859-894MHz
	2515-2600MHz
	1805-1920MHz
	2600-2675MHz
	758-803MHz
	894-960MHz
	3500-3600MHz
	2110-2170MHz
	1805-1920MHz
	5750-5850MHz
	2300-2500MHz
Input voltage	AC 170-250V
Shielding range	Radius 5-10 m (field strength -85dBm)
Shielding direction	omnidirectional 360°
Device power	maximum 275W
Transmit power	single channel average 10W
Output channels	14 channels
Host size	434*204*98mm
Host weight	5.3kg
Antenna size	Φ18*300mm
Antenna weight	0.1*14=1.4kg

Adapter size	260*76*40mm
Adapter weight	1.56kg
Packing size	60*34*20cm
Packing weight	12kg

Application Scene



Exam Room



Conference Room

39. Wireless Signal Detector

Coverage 2 G/ 3 G/ 4 G/ 5 G signal 2.4G& 5GHz Wi-Fi/Bluetooth



Description

Wireless signal detector is a very reliable wireless signal environment security detection and inspection equipment , supporting the coverage of 2G / 3G / 4G / 5G signal 2.4G Wi-Fi and Bluetooth wireless communication standards and protocols as well as other power frequency and communication protocols. With the characteristics of small and portable, high sensitivity and high accuracy, it is suitable for various wireless eavesdropping, thieving and tracking devices in military industry, government, banking and finance, business and travel hotels, private residences and other scenes.



Feature

- Detects 2G/3G/4G / 5G devices, as well as WiFi/Bluetooth/2.4GHz and 5GHz devices.
- Detect mobile phones, smart phones, GSM spy phones, Bluetooth and Wi-Fi enabled spy
- Detect GSM bugs, GSM detectors, GSM alarms, GSM/GPRS/EDGE/3G wireless cameras.
- GPS tracker.
- 3G/4G/5G video.
- Separate detectors for the 2.4GHz bands
- Bluetooth listening devices, Wi-Fi/Wi-Max listening devices, Bluetooth and WiFi devices, WiFi/ Bluetooth/video and other latest generation devices, storage and forwarding devices.
- 2.4GHz wireless camera device, can identify and locate WIFI 2.4G hotspot and terminal equipment.
- Can identify and locate BLE Bluetooth terminal devices, including Tag trackers such as AirTag and Huawei Tag.
- 4.3 "color TFT capacitive touch display for easy to use menu-driven operation.
- Warning mode of sound signal intensity.
- Machined aluminum enclosures for maximum durability.
- Internal lithium polymer battery pack.



(WiFi- Routing, terminal and unconnected device location)

Technical Parameters

- ❖ The detection frequency ranges from 100MHz to 6GHz.
- ❖ Up to 12 displayable frequency bands (including domestic 2G/3G/4G/5G and WIFI, Bluetooth).
- ❖ Sensitivity - up to 85dBm.
- ❖ Display: TFT color 4.3 "high contrast graphic display.
- ❖ Battery: internal lithium polymer rechargeable.
- ❖ Running time: 6 hours on full charge.
- ❖ Charging time: 4 hours.



LEARN MORE: c4icommunication.com

FOR MORE INFORMATION: contact@c4icommunication.com or +1 (302) 981.1340