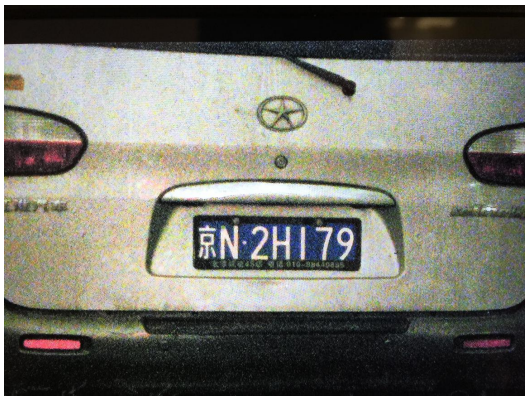
Long Range Color Night Vision Camera

Features

- It can be used in low-light environment at night as well as at daytime.
- The video it takes are full colour and high definition which can be as evidence presented to court.
- The color minimum illumination can reach 0.0001lux
- Variable-focus professional photographic lens ((60-600 mm) with large aperture
- 7 inches full HD touch screen, SSD hard disk
- Portable integrated design, built-in high density lithium battery pack (working time about 5 hours)
- It can recognize the face and car plate number 300-400m away
- **Laser flashlight and HD glasses (Optional)**



Specification

Technical Data	
Observation Range at Day/Night	**Up to 1200m / 500m (It depends on the actual environment)**
Recognition Range at Day/Night	**Up to 600m / 300m (It depends on the actual environment)**
The sensor type	**CMOS**
The video resolution	**1080P (25fps)**
The video signal	**SDI**
Color minimum illumination	**0.0001LUX**
Imaging Sensing	**Full color in daytime & night illumination**
Exposure mode	**Shutter aperture**
Fog and smoke elimination	**Electronic passing through fog, software implementation**
White Balance setting	**Automatic white balance**
Digital zoom	**Maximum 16X**
Wide dynamic range	**120db**
The screen size	**IPS 7 inches widescreen LCD**
The screen resolution	**1920*1200**
The screen brightness	**1500nit**
Operating mode	**Touch screen control and remote control**
Storage medium	**2.5inch SSD hard disk, standard 1TB (maximum 2TB)**
Video file format	**MOV (10 bit code)**
Working voltage	**DC 10-13V**
Power	**Built-in Li-ion battery：11.1v12.8AH**
The machine power consumption	**30W**
Working temperature	**-10℃—50℃**
Backup battery	**11.1V 19.2AH, 6 hours**
External power	**AC 110-240V**
Construction	**Rugged compact housing made of aluminum**
Weight	**5.6 Kg without sight**
Size	**L454mm x W225mm x H152mm**

Technical Specs Remote Control

- Language interface: **English**
- Power Supply: **Built-in lithium battery (8.4v / 500mah)**
- Working time: **Continuously >6 hours**
- Operation mode: **Button Control**
- Display: **1.3" OLED**
- Size: **110*55*25 (mm)**
- Weight: **115g**

Technical Specs Laser Flashlight

- Video Mode: **Black and White**
- Wavelength:**850±10nm**
- Voltage: **DC12V±10%**
- Weight: **500g**
- Size: **L160*W62*H100mm**

Technical Specs HD Glasses

- Screen : **Micro-OLED**
- The screen resolution:**1920x1080**
- Diopter adjustment: **Hyperopia 300°- Myopia 800°**
- Eyepiece Pupil adjustment:**58-74mm**

Component List

No	Name	Unit	Quantity
1	HW-CSYS-III Integrated host	Set	1
2	Backup battery 11.1V 19.2AH	Set	1
3	Main Host charger (12.6v 2A)	Set	1
4	Spare battery cable (2.5 meter)	Set	1
5	Vehicle charging spring wire (7.5 meter)	Set	1
6	Infrared sight	Set	1

7	Straight screwdriver, hexagonal wrench	Set	1
8	Lens cleaning kit	Set	1
9	Remote control and Charger (8.4v 500mA)	Set	1
10	SSD USB3.0 Hard-disk box	Set	1
11	Tripod with carrying bag	Set	1
12	User manual	Set	1
13	ABS case	Set	1

Portable Laser Monitoring System

Description:

The system adopts innovative achievements such as self-development dual optical path laser technology, matrix detection technology and digital focusing technology. Taking ultra long distance, no preset and non-contact as the application environment, the system can realize the synchronous pickup of target sound information hundreds of meters away, and can effectively meet the acquisition needs of relevant departments for target sound information. It is an important means of sound information acquisition.

The system has obvious advantage in sub nano weak vibration measurement and weak return light detection ability, and has outstanding performance in target medium adaptability, working distance, window permeability and so on.

The system is highly integrated, easy to operate, easy to carry and fast to deploy.

Main Features:

● E-Optical mechanical integration design, easy to carry, to deploy and to hide.

● Rapid erection, simple operation, one key start-up and focusing, enter working state within 1 minute.

● Sound information can be obtained through multi-layers glass windows at a large angle.

● Paper, leather, cloth, plastic, metal and other materials can be used as target medium.

● Good sound reduction without distortion.

● A variety of noise reduction functions, with high sound recognition and reading comprehension.

● Multi-functional mobile operation terminal is wireless connected with the host, "viewing, aiming, listening, recording and transmitting" in one to realize remote control operation.

● Synchronous display of near and far scenes, timely switching and clear scenes.

● Far infrared laser with low power, safe and invisible to human eyes.

● Multi power supply modes, and the built-in battery design improves the flexibility of the system.

● With good night vision ability.

System Composition:

1. Main Host	**2.** Operating terminal (Android System)
3. Headset	**4.** Tripod
5. High precision fine tuning platform	**6.** Adapter (host)
7. Power Adapter (host)	**8.** ABS case

Technical Specification

Main Host Parameter	
Principle	Doppler
Laser type	Invisible light
Working Distance	30~300meters
Auto focus distance	≥30m
Window permeability angle	≤±30°
Minimum sound intensity	≥55db
Transmission mode	Wireless transmission
Reading rate	≥98%
Dual vision lens	Wide-angle lens 25mm，Long-focus 300mm
Wave length	1550nm
Built in a wide-angle colour CCD and 2 long-focus photo sensitivity≤1lux night vision CCDs	
Built in Wi-Fi module，wireless connect with operation terminal	
Interface	Power interface
	Data transmission interface
	Antenna interface
	3.5mm audio transmission interface
Power supply	Built in battery: ≥5h
	AC220V: no limit
Portability	Single people
Night vision function	Support
FOV switching function	Support
Host Weight	≤12kg

Host Dimension	345mm×234mm×168mm
Working Temperature	-10℃～+45℃

Operation Terminal Parameter	
Display	6.2 inch screen, Android system
Weight	≤240g
Dual screen dual path HD video transmission, ±key volume adjust	
Auto focus +manual fine tuning	
High sensitivity signal strength feedback	
Auto target lock(auto left and right window match+four direction arrow manual fine tuning)	
Synchronous far and near vision display, real-time and fast switch	
Audio and video synchronous record, store, playback（pcm, mp4）	
AI noise reduction and voice enhancement choice	
Camera function	
Target distance display	

Effective Medium:

First Medium **BEST** Second Medium **Better** Third Medium **Good**

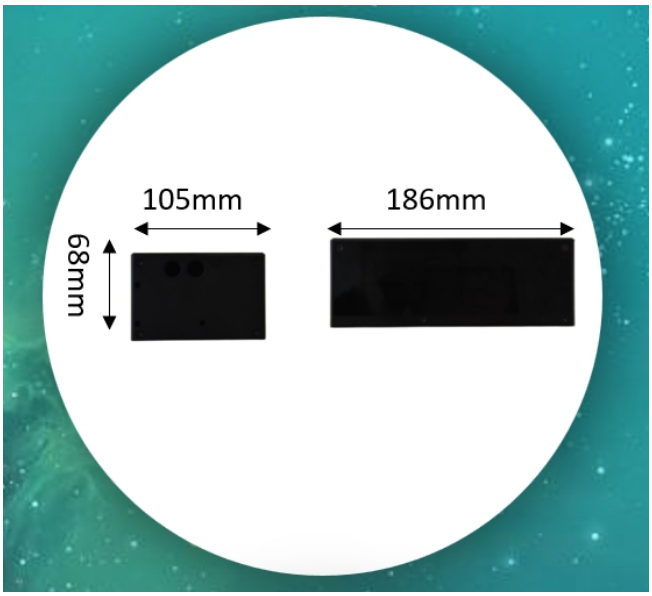
Listening effect of first medium is the best, in turn, the effect gradually weak.

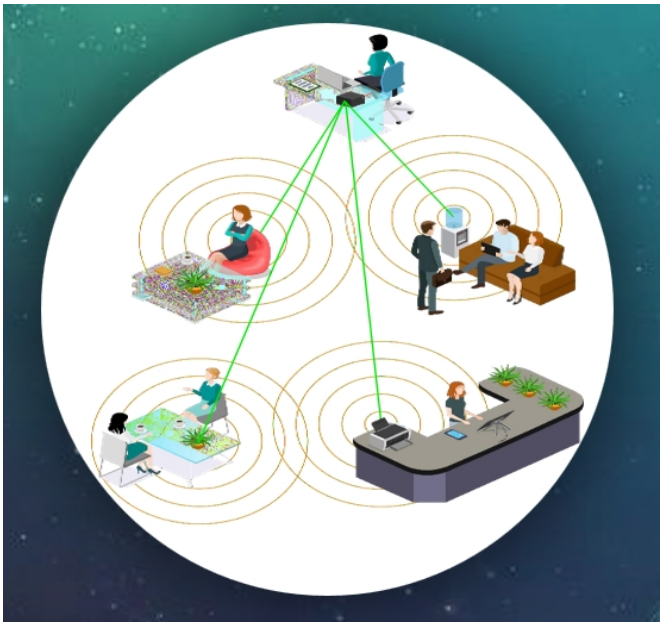
First Medium: tissue box, cigarette box, paper cup, foam board, wall publicity board, etc.

Second Medium: bag, clothes, curtain, plant, chair back,sofa,etc.

Single Portable ABS case including all components + Tripod

Portable Laser Monitoring System





Description

The portable laser monitoring system can collect nano-scale vibration information (caused by sound) of different items by laser under the condition of long distance and noisy environment, and then restore clear sound by algorithm.

Main Features

- Directional recording: Project the laser to the low impedance objects around the sound source, quickly establish the recording point, and listen to where you want. The pickup area can be flexibly changed by illuminating different objects
- Anti-environmental noise function: A single recording point collects the sound in a small range of the surrounding area, which can effectively avoid collecting multiple sounds in a noisy environment.
- Can effectively avoid collecting multiple sounds.
- Long working distance: The directional recording device can project the laser to different items within a distance of 0-30 meters

System Composition

Product model	HW-30
Pickup sound range	30m
readability	>90% (standard target)
Deployment time	＜1min
dimension	186×105×68 mm
Main engine weight	1.4kg
Operating temperature	-10℃-40℃
Power supply mode	AC220V/ Battery
Endurance time	4h (under normal operating conditions)
Transmission mode	Wireless
Laser wavelength	1550nm
Recording mode	Audio and video synchronous recording
Pickup target	Whisper object
Camera sensor	5 mega pixel CMOS

Effective Medium

Best medium: carton, Paper box, Paper cup, Foam board,Plastic product
Second medium: KT billboard. Nylon backpack

Portable Video Surveillance System

Product introduction

Portable Video Surveillance System is designed for long-distance day and night law enforcement and evidence collection in the field. It is suitable for temporary deployment and control in the field, hidden crouching, mobile investigation, and day and night evidence collection. The product integrates photoelectric turntable, infrared thermal imaging, visible light camera, telephoto lens, laser ranging, electronic compass and BD Positioning. Multi-spectral technology is adopted, which combines passive and active, ranging and latitude and longitude positioning. At the same time of investigation and evidence collection, the target can be located and ranging. In combination with the back-end platform software, the functions of black and white list control, real-time AI identification, target locking, tracking and capturing can be realized, which can better assist the law enforcement departments in the investigation, control and emergency command.

Core functions

1. Comrade in arms of covert investigation
Photo and video recording, day and night;
Clear imaging under all black zero illumination;
Capture the license plate and record the first-hand image evidence.

2. Eyes of command center
Ultra far night detection and target recognition;
Remote synchronous viewing of investigation scene dynamics;
Multiple transmission modes to facilitate remote dispatching and command.

3. Assistant in drug control and smuggling
Mobile hotspot tracking, clear imaging;
Early detection of jungle targets;
The subject is invisible to the naked eye, which ensures the safety of the investigators.

4. A sharp weapon used by special police
Quick deployment and control of the scene;
Observe suspicious targets through doors, windows and windows;
Accurate positioning, orientation and ranging to win the enemy first.

Technical parameters

Detection distance	Daytime 5000m / nighttime 1500m / thermal imaging 1000m	
Identification distance	600m during the day / 600m at night / 300m for thermal imaging	
video camera	**Resolving power**	1920*1080P
	Optical zoom	50X
	Low illumination	0.0001Lux/F1.4
	Color mode	Integrated ICR dual filter day and night switching
Laser	**Wavelength**	808nm (Optional 940nm)
	Irradiation angle	1.2°~60° Continuous zoom
	Field of view linkage	Automatic zoom according to white light lens magnification, or manual control
Thermal imaging	**Detector type**	Vanadium oxide
	Resolving power	640*512
	Pixel size	17um
	Focal length	35mm
laser ranging	**Measuring distance**	1500m±1.5m
	Working mode	Single Ranging / continuous ranging
Location	BD / GPS dual-mode positioning	
Electronic compass	Real time true north orientation	
4G Wireless image transmission	Support	
Wireless WiFi	Support	
Local video	240g solid state drive, real-time recording	
PTZ	**Bearing mode**	Single arm suspension
	Horizontal rotation	360 ° operation, speed 60 ° / S
	Pitch rotation	± 40 ° operation, speed 20 ° / S
	Number of preset bits	255
	Positioning accuracy	0.02°
	Cruise	Support
	Scanning	Support

Equipment control mode	**Tablet - App**	Use WiFi link
	Mobile phone - App	Use 4G link
	Network cable - PC side software	Connect with cat 5 network cable
Size	**Width * height * length**	263*380*270mm
External interface	**Network cable**	Waterproof aerial plug
	Power Supply	Waterproof aerial plug
Power supply mode	Built in 10000mah, external expansion xxxmah	
Charging / working power supply	16.8V	
Overall weight	≤13KG	
Tripod rapid deployment	Support	
Protection level	IP66	

Non-linear Junction Detector

Model: HW-801

Production Introduction

HW-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

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	4hrs
Battery type	Replaceable lithium battery
Charging time	2.5hrs
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)
Total length	130cm
Outer box size	700(L)*330(W)*180mm(H)
Product weight	1.6kg
working temperature	-30℃ ~45℃
Working humidity	No more than 92%, no condensate

Stereo Listening Through Wall System

Description

This multi-function stereo listening through wall device is the most updated one in similar products nowadays, which can give listener the clearest audio information they are going to know. This is a special amplifier that will pick up the slightest noise through solid objects like a wall, so you can listen to what is happening on the other side. The contact microphone is a ceramic pin specially developed for converting vibration into audible noise. It has two powerful transducers together comprise an exceptional monitoring device. It is widely used in police, prison and intelligence department.

Features

- High Detection sensitivity.
- The threshold frequency,gain of the amplifier and microphone are adjustable.
- The gain of the amplifier can be infinitely adjusted.
- People can monitor with channel 1, channel 2 separately or simultaneously.

● Built-in recording function, it can record automatically when insert dedicated memory card.

Technical Parameters

Dimension	MCU(main control unit): 131×125×42mm; 41×18×15mm
Total Weight	956g
Power Supply	Built-in 9V battery
Battery Working Time	5 hours without recording; 4 hours with recording
Audio input	Left and right double track
Audio output	Left and right output simultaneously, or left and right output separately
Audio adjust	Gain adjustment, low frequency, high frequency filter adjustment and volume adjustment
Headphone output	3.5” standard interface
Recording output	Built-in recording module, real-time recording by USB external dedicated recording memory
Recording memory	16GB (continuous recording about 500 hours)

Binocular Low-Light Night Vision Goggles Recording version

Product Introduction

This binocular low-light night vision goggles, equipped with the standard L4G24 head-mounted interface, can match most domestic helmet device interfaces. It offers a 1x magnification and a 42-degree field of view. It is equipped with third-generation image intensifier tubes. This product is equipped with a recording module, enabling 4K video recording under low-light night vision conditions, thereby meeting evidence collection and tactical guidance needs in various scenarios.

Product Features

- Compatibility: Compatible with multiple helmet interfaces, and customizable interfaces can be provided according to requirements;
- High Performance: Equipped with second or third-generation image intensifier tubes for superior imaging quality. Dual intensifier tubes provide stereoscopic vision, facilitating vehicle driving, target distance estimation, and navigation through complex terrains.
- Multifunctional: The barrel can be flipped up unilaterally to be used as a monocular, providing wide-angle low-light vision with the naked eye; flipping up the barrel bilaterally will turn off the device.
- equipped with IR fill light function.

- Bright Light Protection: Automatic gain control protects the image intensifier tube, with auto-gating technology enhancing imaging performance under bright light conditions.
- Waterproof: Rated IP67 for waterproof and dustproof protection, with optional customization to IP68.
- **Video recording performance**
- High Performance: 4K lossless video recording with audio capture;
- Multifunctional: Host button control and mobile app control;
- Customizable: Real-time image transmission function can be customized as needed;
- Waterproof Performance: Features IP66 waterproof and dustproof rating, customizable to IP67.
- Waterproof: Rated IP66 for waterproof and dustproof protection, with optional customization to IP67.

Technical Parameters

Tube Grade	Gen3
Resolution (lp/mm)	64-68
Cathode Surface Type	GaAs
Signal-to-Noise Ratio (dB)	25-30
Optical Sensitivity (μA/lm@2856K)	1500-2200
Optical Sensitivity (μA/lm@2856K)	700-1000
MTBF (hours)	10000
Magnification	1x； Interchangeable 3x Magnifier (Optional)
Field of View (degrees)	42
Dipterous Adjustment Range (diopters)	-2
Focusing Range (m)	0.25--∞
Dimensions(mm)	120x120x100

Weight(g)	550
Power Supply Voltage (V)	2.6-4.2
Power Supply	CR123A Battery
Continuous Operating Time (hours)	20-60(external battery pack)
Operating Temperature Range (°C)	-40~+50
Dust and Water Resistance Rating	IP67 (Customizable to IP68)
IR fill light	YES
Strong light protection	YES
Video recording Lens	F2.0 EFL=3.3mm
Video recording FOV	H=85°V=56°D=95°
Video recording Image Resolution	14MP .JPG
Video Format	MOV/MP4-H.264/H.356
Video recording memory	Micro SD (Read/write speed > 14MB/s, maximum support 512G)
Video recording WIFI	2.4G/802.11a/b/g/n/ac
Video recording WIFI Mode	AP/Staiton
Video recording APP Software	iso/apk
Video recording Size（mm）	36x136x10mm
Video recording Weight（g）	20g
Video recording Power supply voltage （v）	3.6--4.2v
Video recording Continuous working hours (h)	4
Video recording Operating temperature range(℃)	-20~+40
Video recording Dustproof and waterproof rating	IP66（CustomizableIP67）

Multi-spectral Fusion Binocular

Product introduction

The Multi-spectral Fusion Binocular integrates infrared, low-light, visible light, and laser capabilities into one compact intelligent observation device. It features a built-in composite positioning module, high-precision digital electronic compass, long-range laser ranging, and all-in-one meteorological sensor module. It also has multi-spectral fusion functionality, suitable for all-weather target positioning, reconnaissance, guidance, optional ballistic calculation, and can capture photos and videos.

Technical parameters

1	**Wave length**	Blue light：445±2nm Green light：520±2nm
2	**Luminous power**	Blue light: 8W Green light: 2W
3	**Facula**	Circular uniform spot
4	**Power supply mode**	direct current supply
5	**Working hours**	Blue light: 50min Green light: 80min
6	**Charger**	Input:AC100-240V 50-60Hz; Output: DC8.4V2A
7	**Power on**	Long press 2 seconds to turn on - turn on first blue light - click green light - Cycle file Press and hold for 2 seconds to power off
8	**battery capacity**	3400mAh
9	**battery status**	OLED screen displays power, band
10	**spot size**	The diameter of the spot at 0.5 meters is 23cm
11	**shell material**	Made of all aluminum alloy fine carving processing

12	**size**	208*42*56mm
13	**weight**	0.495Kg (battery included)

Image Mode	
Full-color visible light	
Thermal Image	
Low-light	
Infrared low-light fusion (Including highlighting, edge, blending)	
Visible Light	
Resolution	1920*1080
FOV	44° *34° ~2.4° *1.8°
Working illuminance	≥0.1Lx（Black and white） ≥1.0Lx（Full color）
Thermal Image	
Resolution	640*512
Pixel Pitch	12μm
FOV	7.32° *5.86°
Low-light	
Resolution	800*600 8μm
Pixel Pitch	7.32° *5.86°
FOV	800*600 8μm
Laser Range finding	
Laser wavelength	1535nm
Measurement range	30m-6Km（Vehicle）
Positioning Component	
Positioning mode	Multi-frequency BeiDou
Coordinate system	GCS/ Gauss-Kruger/ UTM/ MGRS
Intelligent Automatic Correction of Magnetic Declination	
Automatic identification of local magnetic declination (at the specified location), eliminating the need for manual correction.	
Electronic Compass	
Azimuth accuracy	0.5°（RMS）
Pitch angle accuracy	0.1°（RMS）
Laser Indication	
Invisible laser	850nm 50mw
Visible laser	520nm 30mw
Display	
1080p FHP OLED	
Working Time	
Continuous working time ≥9 hours	

Features

1.8-in-1 Precision Target Reconnaissance & Positioning

Self-positioning horizontal accuracy ⩽±10m

Target positioning accuracy ⩽±20m

2.Multi-munition Ballistic Calculation（Optional）

Measure meteorological parameters such as temperature, humidity, and atmospheric pressure.

Including 267 types of ballistic parameters (Customizable)

Adjustable for wind deflection

3.Easy to Operate

Interface functionality operation guide

Human-machine ergonomic design

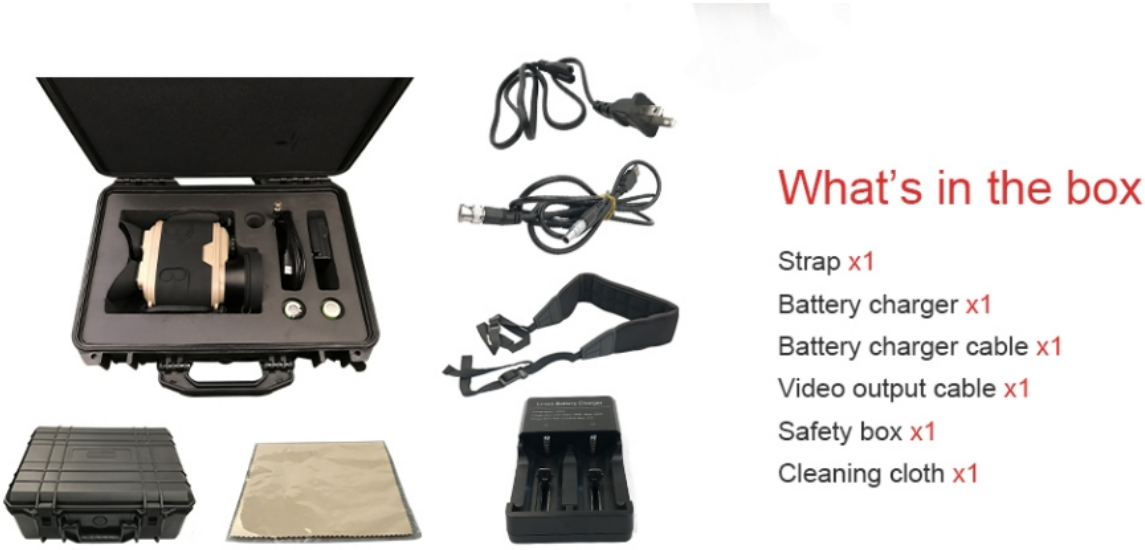
4.Lightweight

Compact size: 235mm*220mm*110mm

Lightweight: 2.3kg (with battery)

TACTICAL
SUPPLY PAKISTAN

Long Range Thermal Binocular



What's in the box

Strap x1
Battery charger x1
Battery charger cable x1
Video output cable x1
Safety box x1
Cleaning cloth x1

Specification

Thermal Detector	
Detector Type	Uncooled FPA Microbolometer
Detector resolition	640*512px /640*480px
NETD	<60mk
Spectral Range	8-14um
Pixel Pitch	12μm
Frame Rate	50Hz
Lens System	
Focal Length	100mm
FOV	4.4° x 3.5°/6.2° x 4.7°
Focusing Range	8m~∞
Brightness/contrast	Automatically/ Manually
Image Processing	
Display	2x（1024*768px）0.5"OLED
Polarity	White Hot/ Black Hot/ Muitiple Color Modes
Digital Zoom	X2, X4
Video Format	MPEG4
Record storage and Output	Record Format 640X480; Built-in 32G memory Card.
Interface	
Interface	Video Output, USD2.0
Installation Interface	1/4' Standard Tripod Interface.
Power Supply	
Battery Type	26650 Rechaegeable Battery 3.7V@5000mAH
Battery Life	Continuous Working Time after charging>6 hours
Power Consumption	<3.0W
Range	
Detection Range	For Man: 4500m For Vehicle: 8000m
Recognition Range	For Man: 1500m For Vehicle: 3500m
Environmental Rarameters	
Working Temp	-30 to +60℃
Storage Temp	-40 to +70℃
Protection	IP66
Humidity	5%-95%
Physical Parameters	
Weight	<1.3kg(Including Batteries)
Dismensions	220mm*175mm*68mm

TACTICAL
SUPPLY PAKISTAN

Laser Range Binoculars

Product Model	6km
Magnification	7×
Field of view	6.5°
Exit pupil diameter	5mm
Exit pupil distance	20.3 mm
Resolution	7.79 s
Laser wavelength	1.064 microns
Ranging range	40-6000m
Ranging accuracy	±o.5m
Precision rate	⩾98%
Battery type	Rechargeable battery 18650×2
Number of full charge	3000 times
Weight	1kg
Size	162×156×66mm
Operating temperature	-40~+65° C
Storage temperature	-50~+65° C
Waterproof rating	IP67
Data transmission	RS232 data interface
Positioning accuracy	0.5m
Electronic compass	Range, 0-360 degrees, accuracy 1 degree.

Dual Goggle Night Vision

Product Description

The multifunctional Dual Goggle night vision can be used hand-held or worn on a helmet. The built-in remote infrared auxiliary light source ensures clear observation in an all-black environment.

Features

- Direction sensing automatic switch:
- Ultra-broadband multi-layer anti-reflection film. For better observation.
- Automatic brightness adjustment
- Anti-glare protection:
- IP65

Technical Parameters

Image intensifier tube	2+ generations
Resolution lp/mm	45-64
Cathode surface type	S25
Signal-to-noise ratio (db)	12-21
Optical sensitivity (μA/lm)	450-600
Fault free time (h)	10,000
Magnification	1x
Field of view	40
Viewing distance (m)	220-240
Diopter adjustment range	+5/-5
Lens system	F1.2, 25.8mm
Objective lens adjust range (m)	0.25--∞
Dimensions (mm)	149x121x51
Weight (g)	417
Power supply voltage (v)	2.0-4.2V
Battery	1 CR123 lithium battery
Continuous working time (hours)	80(without infrared light) 40(with infrared light)
Operating temperature（℃）	-40/+60
Dustproof and waterproof grade	IP65

Night Vision Monocular

Product Description

The night vision monocular is characterized by excellent performance, small size, light weight, clear imaging and simple operation.Changing the objective lens can change the magnification rate.Built-in infrared auxiliary light source and automatic anti-glare protection system.It can be applied to military observation, border and coastal defense reconnaissance, public security surveillance, evidence collection, customs anti-smuggling, etc. It is an ideal equipment for the public security department, armed police force, special police force and guard patrol.

Features

- Direction sensing automatic switch:

- Helmet size can be adjusted freely
- Ultra-broadband multi-layer anti-reflection film. For better observation.
- Automatic brightness adjustment
- Anti-glare protection:
- IP65

Technical Parameters

Image intensifier tube	2+ generations
Resolution lp/mm	60-64
Cathode surface type	S25
Signal-to-noise ratio (db)	12-21
Optical sensitivity (μA/lm)	450-600
Fault free time (h)	10,000
Magnification	1x
Field of view	40
Viewing distance (m)	220-280
Diopter adjustment range	+5/-5
Lens system	F1.2, 25.8mm
Objective lens adjust range (m)	0.25--∞
Dimensions (mm)	110 x 68 x 42
Weight (g)	309/327(include battery)
Power supply voltage (v)	2.0-4.2V
Battery	1 lithium battery
Continuous working time (hours)	80(without infrared light) 40(with infrared light)
Operating temperature（℃）	-40/+60

Dustproof and waterproof grade	IP65

Binocular Night Vision

Features

- High resolution Gen 2+ dual image tube system
- IP 65 waterproof
- Multi-layer Optical coating
- Rugged and lightweight
- Built-in IR illuminator
- Automatic anti-glare protection system
- Automatic shut-off system when flipped up
- Fully adjustable head mount
- Weather and fog resistant
- Low battery indicator
- Packed with ABS case

Specification

IIT	Gen2+
Resolution (lp/mm)	64
Photocathode type	S25
S/N (dB)	12-21
Luminous sensitivity (μA/lm)	450-600
MTTF (hrs)	10,000
Magnification	1x
FOV (deg)	40
Detection distance (m)	220-280
Diopter (deg)	+5/-5
Lens system	F1.2, 25.8mm
Range of focus (m)	0.25--∞
Dimensions (mm)	110 x 136 x 42
Weight (g)	668
Power supply (v)	2.0-4.2V
Battery type (v)	1 piece 3V CR123A lithium battery
Battery life (hrs)	80(w/o IR) 40(w IR)
Operating temperature(℃)	-50/+60
Environmental rating	IP65

Enhanced Night Vision Goggle

1. Product Description

HW-JY-F Enhanced Night Vision Goggle combines I² and thermal imaging technologies to make up for the shortcomings of the former in detecting targets, suitable for a wider range of applications. With corresponding sighting tools, the field of vision and the division of the sighting tool can be precisely matched to the image of HW-JY-F, so as to realize the fast capture and concealed shooting of the target.

2. Product Features

- Rapid Target Acquisition
- Multiple Fusion Modes Switchable
- 12μm Thermal Imaging
- Low Power Consumption
- Combat Information Input（HUD）
- Light Weight（360g）

● Extra Large Exit Pupil Diameter（15mm）

3.Technical Parameters

Product Specifications	
Visual	1×
Exit Pupil	15mm
Exit Pupil	25mm
Diopter	-3.5~+2.5
Display Mode	Black-hot/ White-hot/ Orange-hot, Outline, Target highlight,
Compass	Azimuth/ Pitch angle/ Inclination angle
Battery Life（I²	≥60h
Battery Life	≥8h
Weight	≤360g (Without Battery Pack)
Operating	-40℃ ~ +60℃
I² Specifications	
I² Focal Length	25mm
Focal Length	0.25m ~ +∞
I² FOV	40°
Gain Adjustment	Support
Infrared Specifications	
Detector	12μm 640×512
IR Focal Length	16mm
Infrared FOV	26.9°×20.9°
Gain Adjustment	Support
Contrast Control	Support

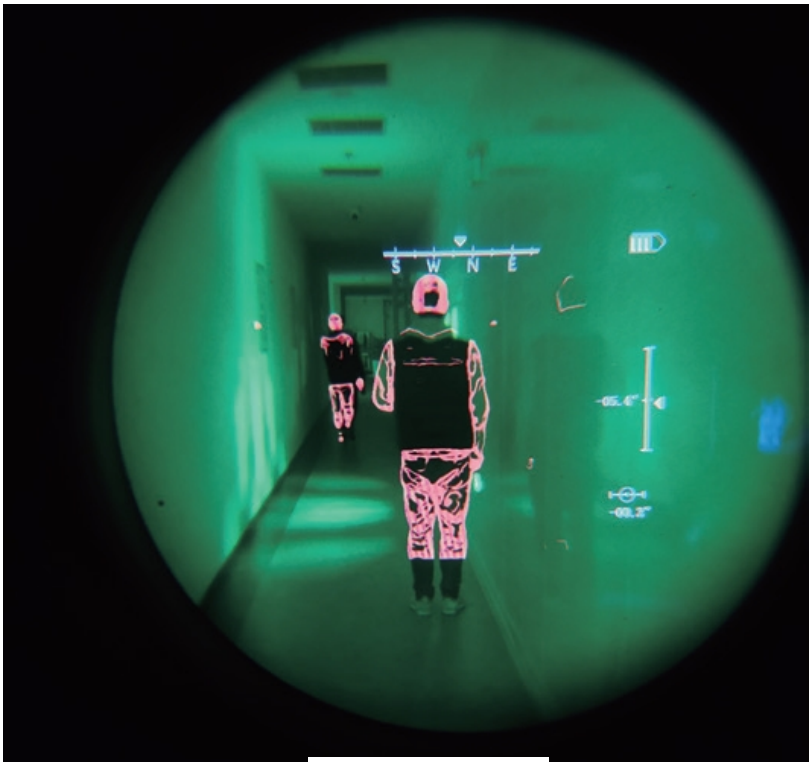
Operating Distance		
Human Target	Identification	200m
1.7m×0.5m	Recognition	400m
	Detection	1500m
Vehicle Target	Identification	500m
	Recognition	1000m

2.3m×2.3m	Detection	3000m

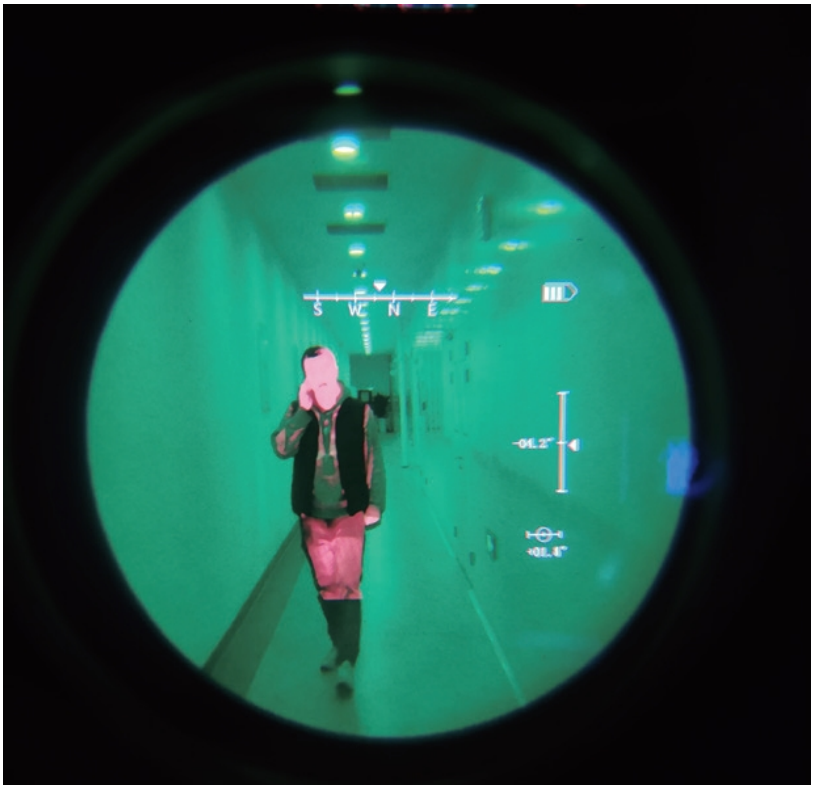
4.Product Structure Diagram

5.View Inside

Picture in Picture



Outline Mode



Five Optical Channels Multi-function Binocular

1.Product Description

HW-TM-B is a small intelligent observation device integrating infrared, low-light, visible light and laser. It has built-in location module, digital magnetic compass, and laser rangefinder. With image fusion function, it can be used for day and night observation and target search. The images and videos can be taken, and the information can be uploaded in time. It is comfortable and portable to use.

2.Product Features

- Five Optical Channels
- Image Fusion
- Multiple Functions
- Intelligent
- Light weight

● Long battery life

● IP 67 protection level

● High Reliability

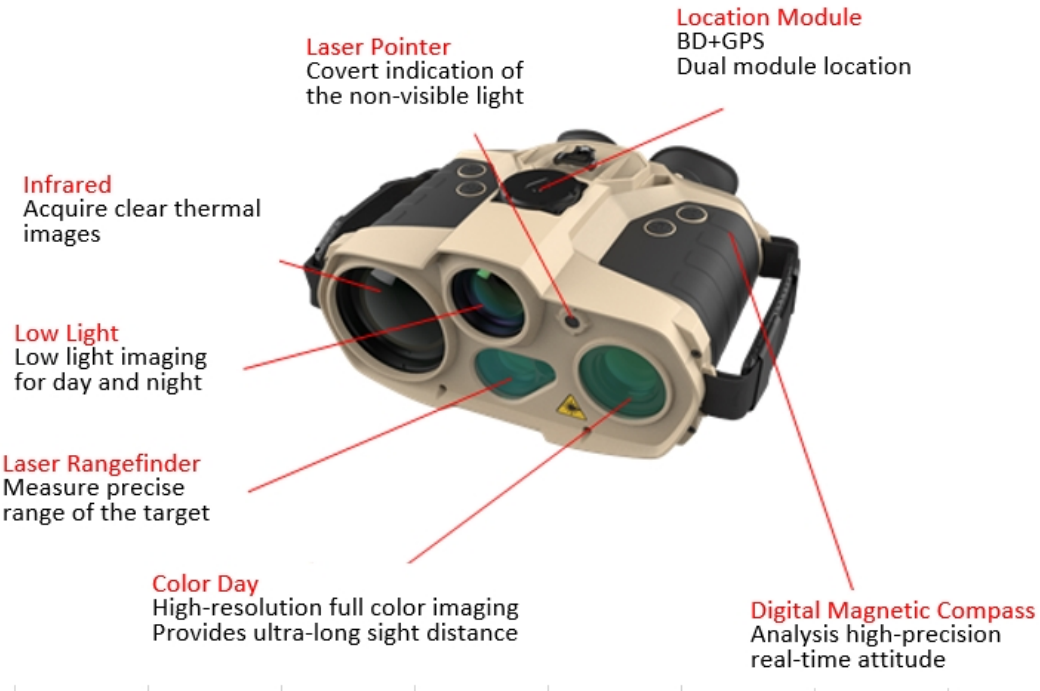
3. Technical Parameters

Item	Infrared Channel	Low Light Channel	TV Channel
Resolution	640×512，12μm	750×600，8μm	2400×1920，2.7μm
Spectral Band	8~14μm	0.4~1.1μm	0.4~0.63μm
FOV	6.1°×4.8°	6.8°×5.5°	4.6°×3.7°
Laser Rangefinder	Eye safe：1535nm Max Measuring Range：≥6km Measuring Accuracy：2m		
Location Module	Location Mode：BD+GPS Horizontal Location Accuracy (CEP)：5m Elevation Location Accuracy (PE)：10m		
Digital Magnetic Compass	Azimuth Measurement Range：0°~360° Azimuth Measurement Accuracy：0.5°（RMS） Pitch Angle Measurement Range：-90°~+90° Pitch Angle Measurement Accuracy：0.4°（RMS） Inclination Angle Measurement Range：-180°~+180° Inclination Angle Measurement Accuracy：0.5°（RMS）		
Laser Pointer	Wavelength：830nm Power：5mW Security level：Class IIIA		
Display	1280×1024 OLED		
Storage	10000 JPG&4h AVI		
Ocular Lens Diopter	-4~+4		
Weight	≤2.1kg(With Battery)		
Operating Time	≥8h		
Dimension	198×210×105mm		
Interface	External Power In/USB/PAL/RS232 HDMI WIFI		
Operating Temperature	-40℃~+55℃		
Storage Temperature	-55℃~+70℃		
Protection Level	IP67		

Operating Distance		
	Infrared Mode	TV Mode

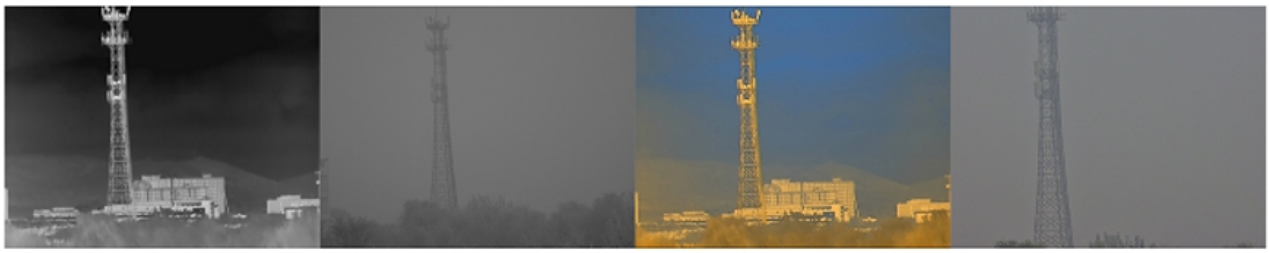
Human Target	Identification	0.85km	3.00km
	Recognition	1.70km	4.50km
	Detection	5.00km	10.07km
Vehicle Target	Identification	1.20km	4.00km
	Recognition	2.40km	6.00km
	Detection	6.00km	12.20km

4.Product Structure Diagram



5.View Inside

Observation under fog:



Infrared Mode | Low Light Model | Fusion Mode | Daylight Mode

Observation Mode:

TV Mode

Infrared Mode

Low Light Mode

Fusion Mode

Four-Eye Panoramic Night Vision Device

Product Introduction:

This product can provide users with more information in night vision environments and can quickly navigate through the OODA loop (observation, orientation, decision-making, action). The most prominent feature is the presence of four independent image intensifier tubes, with four independent objective lenses arranged in a panoramic direction.The two lenses in the middle point forward like traditional binocular night vision, providing users with more depth perception, while the other two lenses point slightly outward from the center to increase peripheral visibility. The two pipes on the right and the two pipes on the left are fused and stitched together at the eyepiece. The user sees two central images overlapping with two outer images, resulting in an unprecedented 120 ° field of view.

The left and right imaging systems are mounted side-by-side on the support frame and suspended on the night vision helmet mount, providing users with complete adjustment options. It can also be easily removed from the stand as a standalone handheld night vision observation device, and has a handwheel system to adjust the eye spacing of the left and right visual system.

Technical Parameters:

Structural mode	Four-eyes panoramic night vision
Power supply mode	Lithium battery
Battery voltage range	2.8-4.2V
Installation mode	Headwear (standard American helmet connector)
Control mode	ON/IR/AUTO
Overall power consumption	<0.2W
Battery capacity	700-2800maH
Battery life	30-80H
Optical magnification	1X
Full field of view	120x50 +/-2 degree
Parallelism of optical axis	<0.1degree
Image intensifier	Super second generation
Luminance gain	automatic
Optical aperture	F1.2 22.5mm
Optical MTF	120LP/mm
Optical distortion	<1%
Relative illumination	>75%
Optical coating	Ultra-wideband multilayer optical anti-reflection film
Focusing range	250mm-∞
Focusing mode	Manual operation
Eyepiece exit pupil distance	36
Eyepiece exit pupil aperture	7mm
Range of visibility	+2~-2
Eye spacing adjustment method	Arbitrary continuous adjustable
Eye distance adjustment range	58-72mm
Interocular locking mode	Manual locking
Auxiliary light source	850nm 20mW
Applicable temperature	-40--+55℃
Humidity range	5%-95%
Waterproof class	IP65/IP67
Product size	245x129x90
Product weight (no battery)	912g

Configuration list:

night vision device, safety box, mirror wiping cloth, instruction manual, warranty card; Soft helmet (optional), triple lens (optional), dump truck (optional), helmet (optional)

Handheld Night-vision Evidence Collector

Description

Handheld night-vision evidence collector is a new-generation product developed and designed for law enforcement officers to long-distance monitoring and evidence collection at day and night. Highly integrated with GPL laser lighting (no red light) patented technology, ultra-high definition imaging technology, license plate intelligent recognition technology, long-distance encrypted transmission technology and other technologies, it can be used for night investigation, search and evidence collection, and hidden video recording. It has the features of portability, intelligent operation, long working distance and high practical applicability.

Technical Parameters

Model	HW-TW100	
Operating range	Daytime: 2000m/nighttime: 600m	
Identification distance	Daytime: 600m/ nighttime: 300m	
Display	5-inch 16:9 ISP screen, resolution ratio: 1920*1080;	
Power consumption	≤20W;	
Focal length of lens	**Sensor type**	2 megapixel, 1/2.8" progressive scanning CMOS;
	Focal length	f=4.5-160mm, optical zoom and intelligent autofocus;
	Magnification times	35 times;
	Color pattern	Integrated ICR dual-optical filter switching between daytime and nighttime;
	Resolution ratio	1920*1080;

	Minimum illumination	0.0001lux;
Laser illuminator	**Power**	4W;
	Wave length	940nm (860nm optional);
	Illumination angle	2.2-62° continuously adjustable, digital drive control technology;
	Control	Automatic zoom according to the lens magnification, manual control is permitted
Environmental index	**Operating temperature**	-40℃-+60℃;
	Storage temperature	-45℃-+70℃;
	Vibration/shock	In line with GA/T 1127-2013 technical requirements;
Interface	**Video**	RJ45 and Video;
	Audio	Audio input, audio output;
	USB	USB3.0;
	Power	16.8V;
Storage unit	**Video format**	AVI and DAV;
	Image format	JPEG;
	Storage media	240G Large-capacity solid state drive (expandable to 2T);
Operation mode	**Short range**	Host button;
	Remote	Remote control, electronic equipment connected to WiFi, 4G;
Shell	**Material**	Aluminum alloy (integrated mold);
	Structure	Ergonomic design, tilt screen, SLR handle, buttons;
	Protection class	IP66;
Accessories	Carbon fiber tripod;	
	3D manual console;	
	AC220V to DC16.8V charger;	
	20m remote control	
	USB-HUB4-PORT	
	Network cable	
	Audio and video cable	
Dimension (L×W×H)	200mm×182mm×96mm;	
Host weight	2.35kg;	
Battery capacity	5000mAh;	
Continuous working period	3 hours (Laser ON); 8 hours (Laser OFF)	
Built-in module	WiFi and 4G module;	

Features:

Hidden photographing and video recording , Long detection range , One-key capture of license plate, Intelligent operation , Mass memory , Portable design,Hidden reconnaissance,clear evidence collection, emergency command and efficient case handling!

Design Highlights

1. Tilt view function

The product screen uses a novel tilt screen design. Compared with the traditional vertical screen design, it is more ergonomic, and the human eye can more accurately identify and adjust the shooting angle.

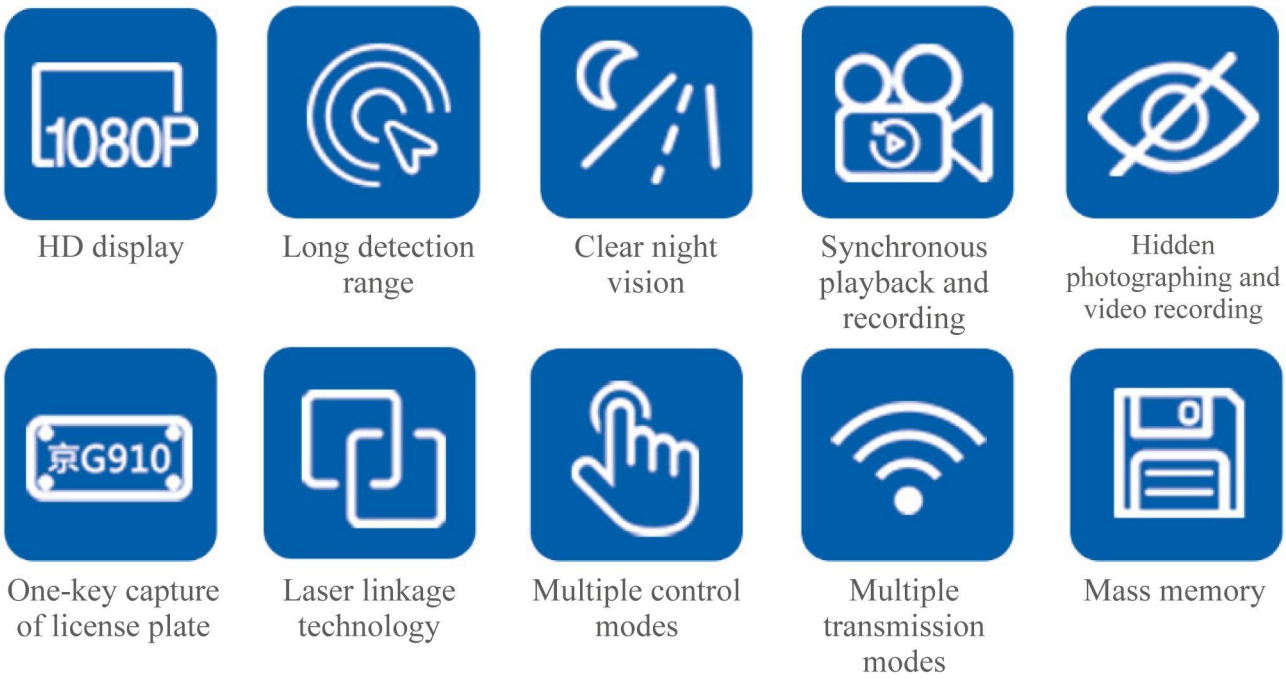
2. Stylish appearance

The product is beautiful and tough, ergonomically designed, light and easy to carry, with reasonable layout of operating buttons and easy operation.

3. Grab handle function

The design of the product handle and the SLR camera handle are the same and the perfect curvature is more ergonomic. The product is easy to grab, convenient, comfortable, stable and labor-saving.

Key Functions



1.HD display: High-definition full-color 5 inch 1920 * 1080 display screen, the picture effect is clear and delicate;
2. Long detection range: The longest detection range during the day is 2000 meters, and the longest detection distance at night is 600 meters;
3. Clear night vision: Human face and license plate number can be seen clearly within 300 meters at night;
4. Synchronous playback and recording: Playback can be performed simultaneously during recording without interrupting the recording;
5. Hidden photographing and video recording: 940nm red-exposed military-grade laser is used, which is invisible to the naked eye, thus effectively preventing exposure of law enforcement officers;
6. One-key capture of license plate: One-key capture of license plate can be achieved within 150m-200m at the night;
7. Laser linkage technology: Camera zoom and laser lighting, simultaneous zoom in and out in to achieve precise linkage;
8. Multiple control modes: Support local buttons, remote control, and APP operation;
9. Multiple transmission modes: Interexchanger (which can be connected with national secret 4G equipment), wifi, network port, USB, video, audio input and output
10. Mass memory: Built-in 240G extra-large solid state drive (expandable to 2T).

Detection Range

1. Daytime
Detection range: 2000m (human: 1.7m*0.5m)
Identification distance: 600m (human facial features and license plates)

2. Nighttime
Detection range: 600m (human: 1.7m*0.5m)
Identification distance: 300m (human facial features and license plates)

Rendering


Daytime shooting effect


Low illumination at night (laser OFF)


Low illumination at night (laser ON)


Penetration through window film at night

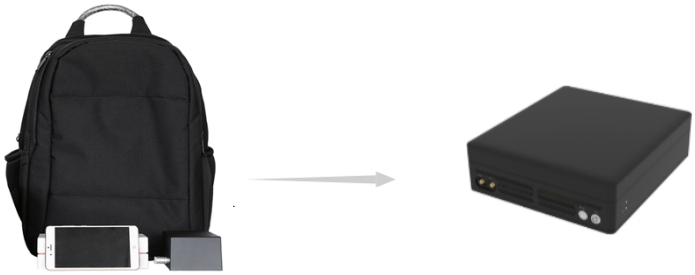

One-key capture of license plate at night


Penetration through window at night

Application

This product is applicable to all-weather detection, long-distance locking, real-time tracking and remote video capture of specific areas or targets, such as public security, narcotics squad, judicial administration, customs, jail, frontier, oil field, criminal investigation, national treasure, field rescue, ecological environment protection, wildlife protection and long-distance patrol inspection.

Active Portable Network Detection Device



Introduction:

The Active portable network detection device is a specialized tool designed for collecting IMSI information from mobile phone terminals operating on 4G LTE and 5G NR networks, as well as accurately locating specific targets. It finds extensive application in urban villages, buildings, entertainment and sports venues, traffic stations, and other relevant scenarios. This advanced device enables swift target acquisition and precise target positioning.

Technical Specification

Type of equipment	4/5G portable positioning device
Product form	Portable Backpack
Work style	4G LTE and 5G NR
Working bands	5G: N78, 4G: B3/B7/B8/B20/B28/B40
Working mode	Three (4G, 5G, 4G+5G)
Number of carriers	4 Carrier @2W/ per carrier
Sensitivity	≤-102dBm
Features	Coding/locating
Entry distance	≤300M (Max)
Operating terminal	Android phone
Connection method	WIFI
Operating temperature	- 10 ℃ ~ + 45 ℃
Power Consumption	≤ 90W
Size	300mm*250mm*100mm
Weight	≤ 4kg (without battery)

Features:

- Simulate real wireless broadcast signals, can covertly collect 4G/5G network terminal IMSI information.
- With independent networking function, no radiation and will not affect the normal use of non target terminal.
- Mobile phone APP provides wireless connection, simple interface and easy operation.
- Plug and play, no complex configuration after power on. The machine has excellent mobility and flexibility.
- Simulate real wireless broadcast signals, can covertly collect 4G/5G network terminal IMSI information.
- With independent networking function, no radiation and will not affect the normal use of non target terminal.
- Mobile phone APP provides wireless connection, simple interface and easy operation.
- Plug and play, no complex configuration after power on.
- The machine has excellent mobility and flexibility.

Basic principle:

The fundamental principle of the Active portable network detection device is as follows: The active equipment primarily consists of an active transmission module, a power amplifier module, and a circuit breaker. By simulating the mobile communication network signal of the operator, it establishes access to and registration of surrounding mobile phone terminals within the simulated network, thereby accomplishing the collection of public network user terminal information in the coverage area. Once obtaining the user's IMSI and other details, the active equipment executes imperceptible services for specific targets while asymptotically measuring their signal strength through a directional antenna to achieve precise target positioning.

Main functions:

- Support mobile terminal information collection and positioning under 4G LTE and 5G NR networks.
- Modular design, backpack style and flexible expansion.
- GPS sync and air port sync function.
- Cover commonly used 4G LTE and 5G NR frequency bands.
- Accurate positioning of anti-counterfeit base station mobile phone.
- Support network frequency sweeping function.

Composition:

Serial number	Name	Quantity
1	4/5G portable positioning device host	1
2	Batteries	2
3	4/5G positioning and direction finding system APP	1
4	Control terminal (smartphone)	1
5	Chargers	1
6	Backpack	1

Application scenarios

The 4/5G active positioning device is primarily utilized in diverse indoor or densely populated environments, such as urban villages, transportation hubs, cybercafes, and recreational establishments.

Vehicular Active Interception System

Figure 1 Appearance of system (including stand and shock-absorbing box)

Figure 2 Vehicle Application

Introduction

Vehicular active interception system is a vehicular solution that focus on voice & SMS interception and Location for target mobile phone under LTE/WCDMA/GSM network. This solution adopts the vehicle-mounted form and active working mode.

When the target mobile phone is captured and registered to the system successfully, the system can be used to play role as Man-in-Middle and intercept communication content, call and SMS, of specified target. In addition, with individual positioning device, the precise positioning of the target can be implemented.

Unlike traditional active interception system, our system adopts network migration technology instead of jammer to force specified target degrade from LTE/WCDMA to GSM network. The network migration mechanism will affect only the target without disabling surrounding LTE/WCDMA network.

In addition to interception and locating, the system also provides other functions under the telecom carrier's network including IMSI catching, target MSISDN acquisition,

black/white list control, forged call/SMS and other analysis features.

Technical Specifications

Items	Specifications
Support Network	LTE-TDD/LTE-FDD/WCDMA/GSM
Support Frequency Band	GSM:B3(900M)/B8(1800M)
	WCDMA: B1(2100M)
	LTE: B1/B3/B5/ B8 /B34/B38/B39/B40（can customize）
Support Carrier Number	LTE:8; WCDMA:1; GSM:2; Extendable to Max 11 carriers
Number of Concurrent Interceptions	≤ 4(Voice & SMS interception)
Receiving Sensitivity	GSM:-110dbm;LTE:-100dbm;WCDMA：-118dbm
Transmitting Power	LTE: Single carrier 0~40w adjustable;
	WCDMA: single carrier 0~40w adjustable
	GSM: single carrier 0~40w adjustable
Peak IMSI Catching Rate	LTE: ≥1,000 /carrier/per minute;
	GSM: ≥800 /carrier/per minute;
	WCDMA: ≥800 /carrier/per minute;
Key Cracking Performance	KC cracking number: >200(under the typical signal environment）
Accuracy of Positioning	<1m(Through the Individual Decoder)
Power Supply	AC 220V±10%，50Hz±5%
Power Consumption	≤1500W
Dimensions (LWH)	500mm*500mm*530mm (shock-absorbing box with standard model)
	550mm*550m*400mm (standard model)
Weight	≤65kg (host weight of standard model)
	≤90kg (total weight including stand and shock-absorbing box)
Operating Temperature	-10 ~ +50 °C
Humidity	≤95%
Mounting	Vehicle-mounted or fixed-installation

Features

- Support simultaneous operation under LTE/WCDMA/GSM telecom carrier network.
- Support working under the network with A5/0, A5/1, A5/2, A5/3（excluding mandatory A53）.
- Real time verification and KC evaluation for selected targets.
- Records voice sessions, SMS messages and call related information of selected targets.
- Quickly detects mobile phone's location within the working area.
- Supports the Successive Approximation Positioning (SAP).
- Selective block for registered mobile phones.
- IMSI/IMEI identities capture and collection.
- Support target's MSISDN acquisition.

Applications

- **Real-time Interception**

For the mobile phone target under the network of LTE/WCDMA/GSM, it can be migrated to the GSM network, and the voice and SMS can be intercepted in real time. In addition, the intercepted SMS can be tampered and transfer to the target. It can also be disguised as the target to send SMS and call.

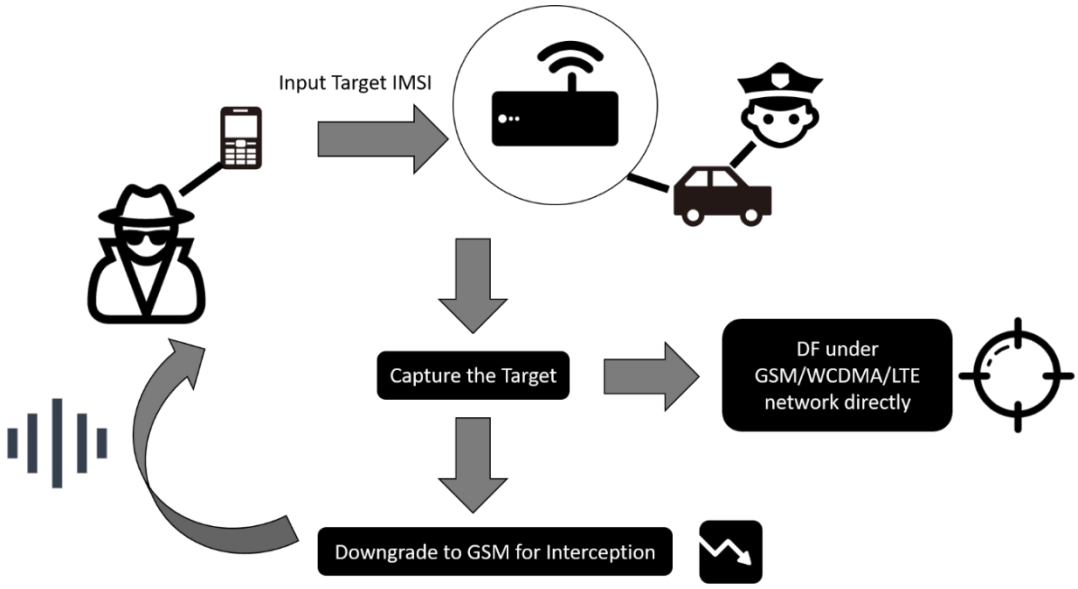
- **Communication Block**

At the scene of a mass incident, the LTE/WCDMA/GSM blocking mode can be activated, so that on-site mobile phone users cannot communicate. For individual targets, selective blocking mode can be activated to prevent specific target.

- **Positioning and capture**

For the target of LTE/WCDMA/GSM mobile phones, the target signal can be locked within the coverage area. The hand-held individual device can be used to perform approach Successive Approximation Positioning (SAP) with the accuracy less than 1 meter.

Application Diagram



Thrown Detective Robot

Introduction

Thrown Detective Robot is a small detective robot with light weight, low walking noise, strong and durable. It also takes into account the design requirements of low power consumption, high performance and portability. The two-wheeled detective robot platform has the advantages of simple structure, convenient control, flexible mobility and strong cross-country ability. The built-in high-definition image sensor, pickup and auxiliary light can effectively collect environmental information, realize remote visual combat command and day and night reconnaissance operations, with high reliability. The robot control terminal is ergonomically designed, compact and convenient, with complete functions, which can effectively improve the working efficiency of the command personnel.

Features

- Simple operation, small size, light weight, easy to carry
- Low noise, easy to hide
- With anti-drop design, can be directly thrown to the target area operation
- Real-time transmission and storage of voice, data and images
- Built - in HD camera and sound collector, can remote visual combat command
- Equipped with infrared lighting, can be day and night reconnaissance operation
- The control terminal interface is simple and intuitive
- With video recording, photography functions
- Built-in SD card, support video, image online playback and export function

Application Scenarios

It is suitable for public security, armed police and other departments, and can be used for anti-terrorism, anti-hijacking, covert detection, low-space detection, patrol, tunnel patrol and other operational tasks in the urban day and night environment.

Technical Specification

Robot	Weight	0.6kg (battery included)
	Dimension	Length: 200mm Height: 115mm (Wheel's diameter)
	Antenna length	433MHZ: 200mm 2.4GHZ: 96mm
	Moving speed	0.6m/s
	Maximum climbing angle	25°
	Maximum Throwing distance	Vertical: 9m Horizontal: 30m
	Remote control distance	Indoor: 50m Outdoor: 180m (Visual Distance)
	Working time	110minutes
	Standby time	150minutes
	Frame Rate	30fps
	Protecting Rate	IP66
	IR illumination distance	7.8m
	FOV	120°
	Audio	One-way, listening only (433M, 2.4G)
Control Terminal	Dimension	230×126mm (without antenna)
	Weight	0.55kg (with battery)
	Display Screen	5inch (Resolution: 1024x600) Touch screen can be customized if buying 10 sets at a time.
	Transmission image	Color
	Working time	180minutes
	Memory Capacity	32G

Packing Pictures