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CRIME SCENE INVESTIGATION INTEGRATION



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Crime Scene Investigation Integration



Introduction

This is a new multi-function integrated equipment designed for intelligent field surveys. Integrate four intelligent modules and three accessories, catering to a diverse array of requirements including fundamental scene investigation light, footprint search, keyhole search, extended-range search, close photography, as well as the examination of fingerprints, footprints, blood, body fluid stains, and shed cells-encompassing a wide spectrum of physical evidence objects. Users may customize various combinations to satisfy their specific needs, thus fulfilling their comprehensive on-site investigation requirements.



System Introduction



System Host

1. The host and each functional module adopt a detachable split type, and different functional modules can be changed according to different usage requirements.
2. Forensics software: The host is equipped with a built-in exclusive forensics software (non- third-party software) APP. which controls and interfaces with all functional modules. When used in conjunction with each module, the host can automatically display the application name and corresponding function operation of the functional module.
3. Display screen size: ≥ 6.5 -inch touch screen.
4. Power supply method: Each functional module should be connected to the host through a snap-on method and powered by the main machine, with a continuous working time of ≥ 1.5 hours.
5. The host is equipped with a data protection slot and is equipped with more than 3 Type-C interfaces.
6. Host size and weight: External dimensions: \leq length 200mm x width 40mm x height 105 mm, weight: ≤ 0.8 kg.



Ultra-wide Spectrum Intelligent Module

Long-range non-destructive large-area search for hand prints, near-range nondestructive recording, extraction of fingerprint background on complex surfaces such as banknotes and magazines, and discovery of potential blood traces.

Epithelial Cells Search Module

Continuous magnification for lossless search display is achievable, allowing for large-magnification observation and small-magnification real-time extraction. It can realize the wireless separation of the module and the host. 0-100, 100-500 magnification

Directional Reflection Photograph Module

Non-permeable objects such as paint surfaces, mobile phone surfaces, cards, etc., for non-destructive display of latent fingerprints and background extraction.

Visualization Intelligent Module

Non-destructive laser visualization of various challenging material evidence. such as latent hand marks, body fluid marks, and other biological material evidence (Applicable to all types of material inspection)

Investigation Light Source

Small light weight, uniform beam, and ultra-wide light

Mini Footprint Light Source

Dust footprint search location, photograph, record

Keyhole Search light

For the observation and judgment of traces or foreign bodies within the deep interior of the lock core or narrow gap micro holes, a high -definition record is made.



Model: C4I-UV



Introduction:

- Autofocus Spectroscopic Objective
- Long Distance & Wide Range Search
- LED Multispectral Light Source
- Exclusive Image Processing Software
- Close Up Fingerprint Shooting
- Real Time Sending Platform Comparison

Features:

Integrated Design

Full-spectrum CCD, Autofocus Spectroscopic Objective, Multispectral Light Source Group, Display Screen (Built-in Exclusive Image Processing Software)

Full-spectrum CCD

Adopt scientific grade high sensitivity spectral enhancement technology, single frame resolution up to 2048 * 2048, the corresponding range of effective spectrum: 150nm-1100nm.

LED Multispectral Light Source

254nm UVB, 365nm UVA and 865nm infrared

Complex Background Elimination

For most objects



Weight & Size

(1) Module Weight :917g

Size:93*140*105mm

(2) Whole Weight:1675g

Size:196*155*100mm

Innovative combination of LED shortwave ultraviolet, longwave ultraviolet, visible light, and infrared spectra

Adopting LED multispectral excitation light source, it is compact, energy-saving, efficient, and has a long service life.

Long distance large-scale fingerprint search

0-8 meters or more (depending on the material of the object)

Non destructive search discovery, adding electronic scale bar, adjusting image contrast, fixing shooting records

Easy on-site operation can meet the entire process of on-site investigation and evidence collection.

Complex background deduction

Finger palm pattern shooting with background subtraction and removal for most objects with complex backgrounds.

Real time uploading, comparison, and investigation on ministerial level platforms

Built in internal network encrypted IoT module, which can wirelessly transmit real-time storage, comparison, and investigation with the "Public Security Department Fingerprint Image Intelligent Comparison Cloud Service Fingerprint Database Platform".



Cases

Lossless search & HD photography for latent fingerprints



On Airline Tickets & Thermal Paper
(Without any processing)

Latent Fingerprints & Wiped marks on Furniture & Wooden doors
(No treatment required)

Latent Bloodstains
No Processing Needed

High-definition Photo Records after Reagent Fumigation
(No dyeing & magnetic fingerprint powder required)



Visualization Intelligent System

Model: C4I-VS



Features

- All Types of Objects (Latent Prints)
- Fluorescence Effect of Old Inspection Material
- Dark Field Laser Shooting
- Dust Fingerprint Photography

Technical parameter

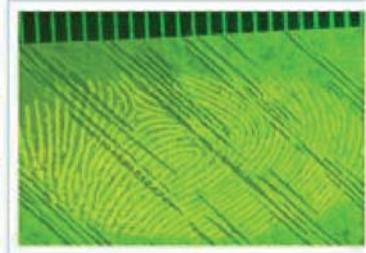
Lossless Cold Fumigation	(2) Whole Weight: 1650g Size: 195*105*162mm
	(1) Module Weight: 900 Size: 106*105*143mm(Prevent activation overheating from affecting physical evidence
Fingerprints & Biometric evidence	Windproof, block visible light
	Protect eyes
LED Grazing Light	White, 600nm, 633nm
Dark Field Laser Shooting	Green laser: Show evidence that has been chemically treated
	Blue laser: Fingerprints and biological fluids
	3)Non-toxic, Harmless & Odorles
Weight & Size	2)Nanoscale Reagent Gas
	1)Physical Adsorption



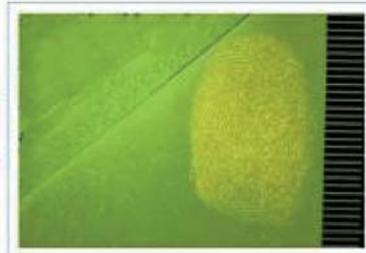
Cases



On Wooden Cabinet
Impermeable Rough Surface



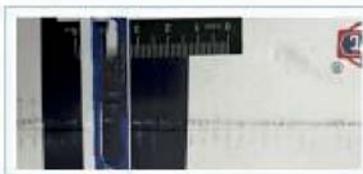
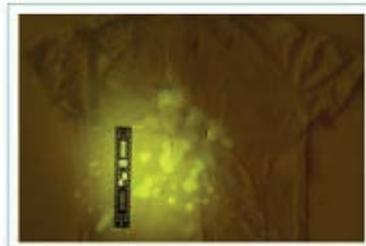
On Brick
Impermeable Rough Object



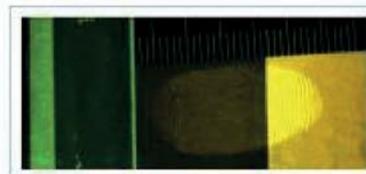
On Brick
Impermeable Rough Object



On Delivery Bag
Semi-permeable
Rough Surface



On Delivery Bag
Semi-permeable
Rough Surface





Directional Reflection Photograph Shooting System

Model: C4I-IS



Introduction

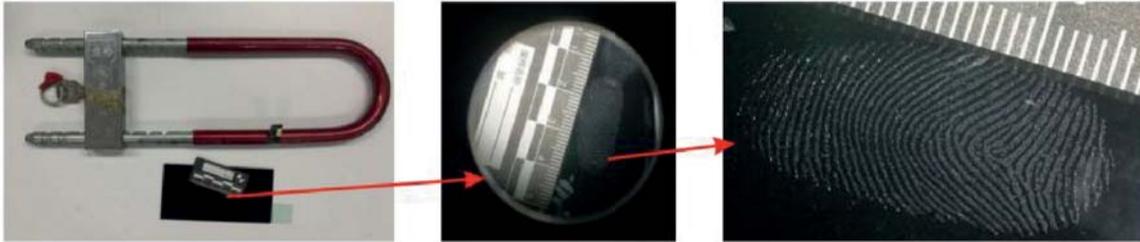
It integrates "Directional reflection shooting", "Coaxial light shooting", "Off-angle dark field shooting", "Fingerprint Powder Excitation Shooting" into on built-in filter system. It is easy to operate, non-destructive and efficient. It supports mobile phones and cameras to take photo. The shooting equipment can be replaced at any time. Data can be uploaded in real-time through the mobile phone APP to achieve real-time transmission.

Technical parameter

Module Weight	470g
Module Size	93*110*80mm
Whole Weight	1227g (Battery included)
Whole Size	196*153*100mm
Brightness Level	0%, 10%, 30%, 60%, 80%, 100%
Light Source	Blue light, 3W, 30-40 LM/mcd
	White light, 3W, 250-280 LM/mcd



Cases



Oil and sweat mixed fingerprints on the surface of irregular objects such as anti-theft nets, door handles, and U-shaped locks can be physically transferred through "Fingerprint Lifter" which is different from the traditional magnetic powder, and used to enhance three dimensional and non-destructive shooting with this device. It can perfectly solve the shooting problems of abnormal shaped fingerprints and greatly reduces the probability of DNA contamination. It can directly lift the DNA of suspects.

On the bank card



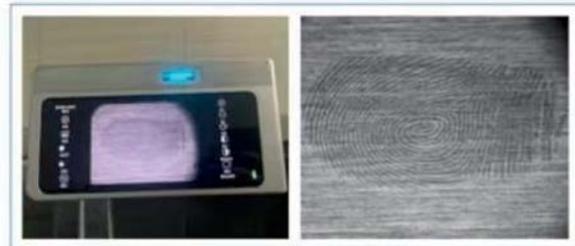
On the glass



On the phone screen



On the aluminum alloy guardrail





Epithelial Cells Intelligent System

Model: C4I-MCS



Features

- Optical Spectral Mode & High Purity Laser Module
- Auto-focusing, Macroscopic & Microscopic Imaging Modules.
Magnification 0-100x 100 ~ 500x
- Adopt cable / wireless dual search mode: module direct connection host or off-host wireless connection use

Technical parameter

Module Weight	508g
Module Size	93*133*80mm
Whole Weight	1265g
Whole Size	196*153*100mm
Optical System	0-100x, 100-500x Magnification
	Optical Field of View: 1mm-40mm
	Optical Spectral Imaging Resolution: 2240*1080
Forensic Aids	Extraction Kit
Visualized Window Display	6 inch Touch Screen
	Image Editing System
Excitation Light Source	45nm Laser Light Source: 10W
	365nm LED Light Source: 10W
	LED White Light: 10W



	LED Yellow Light: 10W
DNA cell Nucleus Staining Reagent	Staining Source: Human Body Shed Trace Cells
	Dyeing Time: 2-15 seconds
	Imaging: 445nm Fluorescence Color
Observation	Microscopic Magnification Imaging

Cases



Shed cell search results



Shed cell search results



Shed cell search results



Shed cell search results



Shed cell search results





Investigation Light Source

Model: C4I-V



Introduction

This product has the characteristics of small light weight, uniform beam, and ultra-wide light, equipped with a 360 degree rotation waist clip, which can be fixed on the waist belt. There is no need to carry a heavy light source box to and from the crime scene. The waist clip can fix the projection angle, free your hands during onsite survey lighting, and is easy to fit together and take down. It also can be used as a footprint search light source when placed flat on the ground.

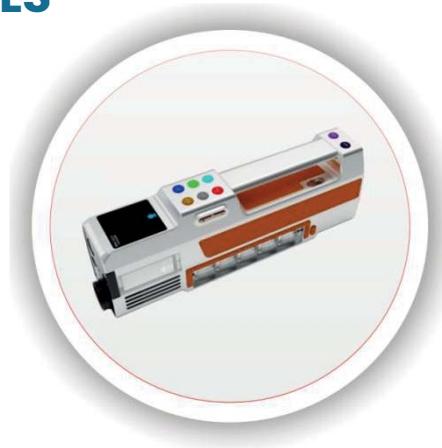
Technical parameter

Material	Aircraft Grade Aluminum Alloy
Net Weight	300g
Size	177.4* 33* 33mm
Charging Port	Type-CC(5V, 2A)
Function	Strong (1 meter illumination 15000LX)/ Medium /Weak
Switch	Long press to power on
Lithium Battery	5000mAh
Charging Time	<4H
Accessories	1.360 Degree Rotation Waist Clip (Fixed Projection Angle) 2.Polarizing Mirror



Multi –functional Evidence Light Source

Model: C4I-MELS



Product Introduction

All types refer to palm print laser display, DNA biological trace laser display, biological evidence search and discovery, dust footprint search and discovery, uniform light on-site investigation and search can meet all the basic functions commonly needed for on-site investigation. Small and portable, collection of gun visualization, laser biological evidence, multi-band light source, footprint search light source, exploration search light source and other equipment application functions, multi-energy significance.

Features

Six-band Laser module

Blue laser, green laser, UVA/UVB, IR, Synthetic laser (blue & green laser)

Survey Laser module

Footprint search wide light (footprint search / photo) Trace search wide light (trace search /photo)

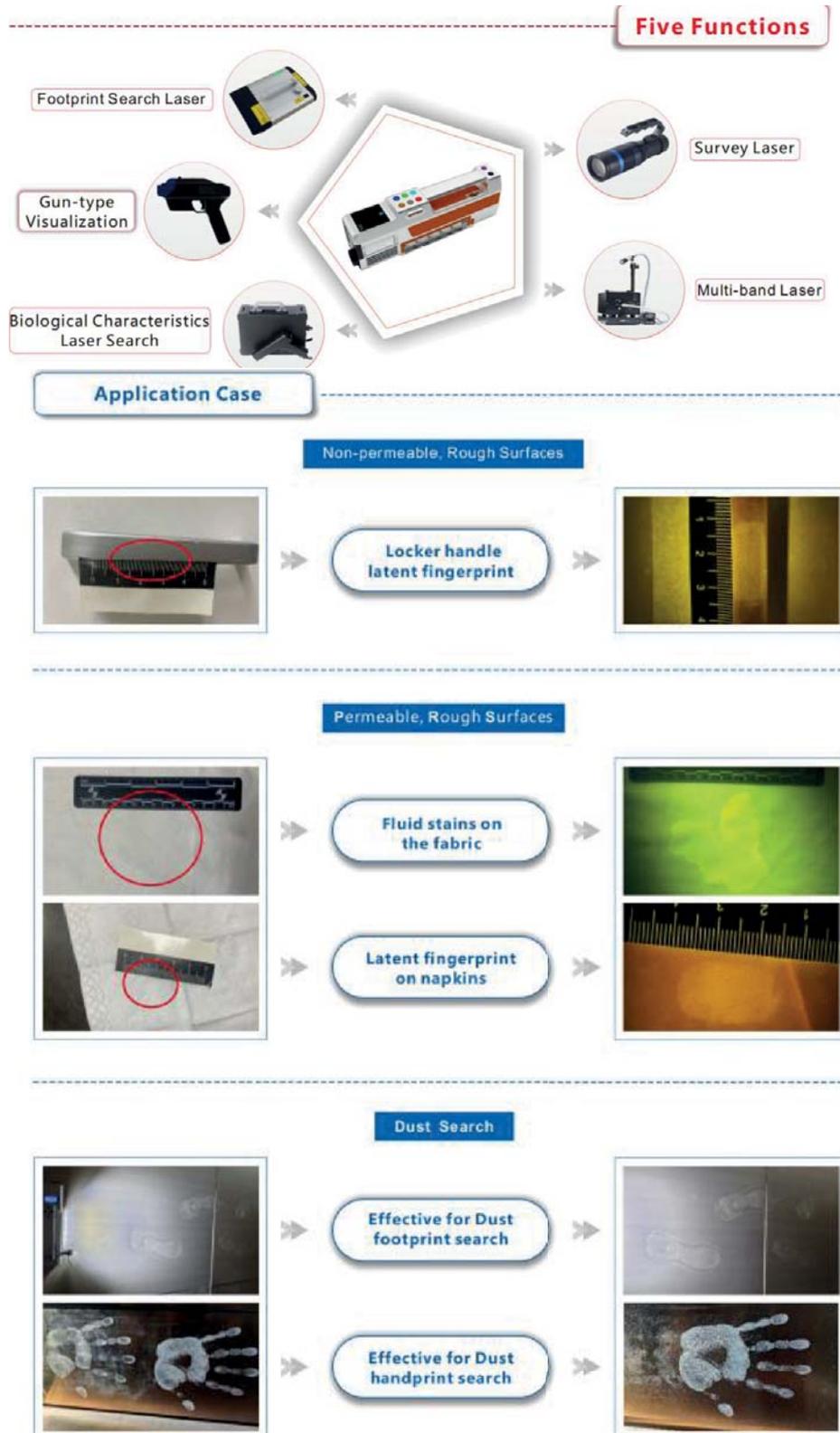
Photography and photo recording

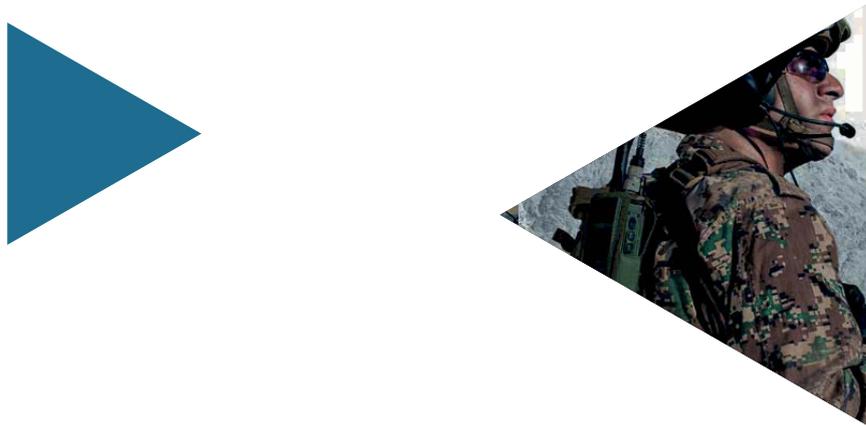
Magnetic suction multi-band filter combination and a polarizing mirror Dual-band integrated mobile phone filter



Electric reagent atomization

Electric reagent atomizing components (for full types Inspection material)





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