

# Forensic fingerprint detection system- Plus

IDG-RTMS-PLUS



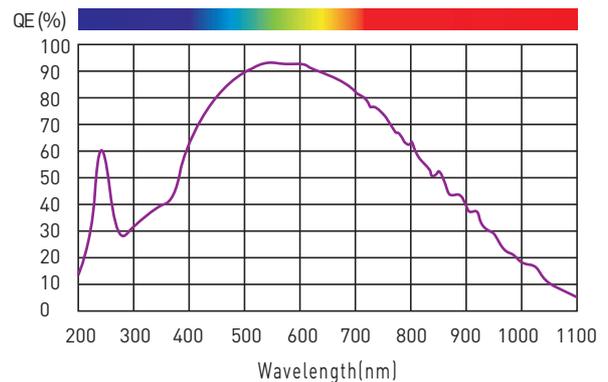
The PLUS version of the portable on-site biological evidence detection system uses the latest ultraviolet high-sensitivity scientific-grade CMOS chip, highly integrated light source, lens, filter, and host. The imaging system is specially customized for the application of physical evidence, signal enhancement, electronic scale and other functions. The equipment is extremely small and light, which improves the efficiency of on-site investigation of case-handling personnel.

## 180-1100nm ultra-wide spectral response, support a variety of subtle physical evidence search

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Using the latest ultraviolet high-sensitivity scientific-grade CMOS chip, it has an ultra-wide spectral response range, and has excellent spectral response in the ultraviolet, visible and near-infrared bands. The new generation of 6.5 $\mu$ m pixel size provides higher accuracy for physical evidence images, Can be used for the search and collection of fingerprints, body fluids and other fine microbiological evidence.

- 62%@254nm, 40%@365nm  
Fast Search Of Fingerprint
- 800nm-850nm  
near infrared band response capability  
Potential blood stains found on dark clothes



## Highly integrated structure design, small and light, one-handed operation

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- Integrated 6-band filter wheel and light source, more convenient operation  
Polymerized multi-band light source, short-wave ultraviolet 254nm light source
- The body is lightweight, and the whole weight is only 975g
- Ergonomic non-slip grip for comfort and effort
- Shoulder strap design prevents slipping





## Advanced anti - shake function and image processing

Built-in powerful imaging processing system, providing a variety of digital image analysis and processing functions, advanced intelligent anti-shake and touch-screen operation technology, can greatly reduce the police on-site investigation workload and improve the efficiency of evidence collection.



### Intelligent image stabilization

Built-in intelligent anti-shake algorithm can automatically match the best shutter time, make the image clear, and effectively solve the fuzzy problem caused by handshaking.

### Digital scale bar

Image acquisition can also directly measure the size of the target, with the accuracy of 0.1 mm.

### Regional gray scale setting

Key areas can be optimized locally to quickly get the better fingerprint.

### Multiple interfaces

Support USB, WIFI, Bluetooth, provide infinite possibility of fingerprint storage.

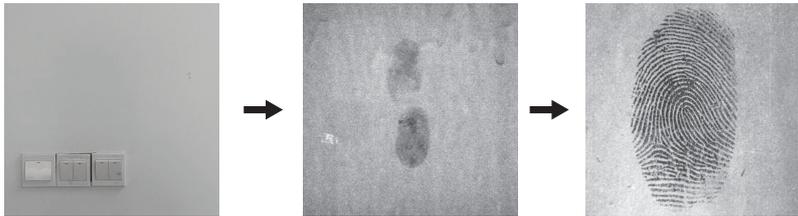
# Applications

Sample: Lime wall

Target : latent fingerprint

search: 365nm

extract: 254nm



Sample: glass

Target : latent fingerprint

search: 365nm

extract: 254nm



Sample: Ceramic cup

Target : latent fingerprint

search: 365nm

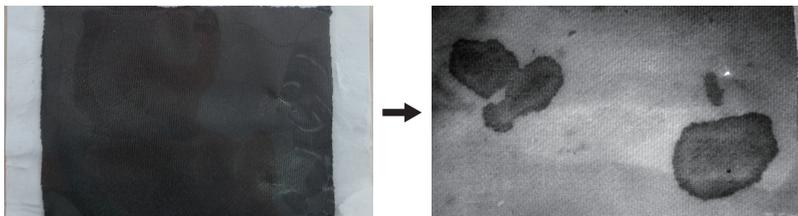
extract: 254nm



Sample: Cotton fabric

Target : Bloodstain

Light source: 850nm



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