



Forensic Comparison Microscope With Document Examination System

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A18.11816
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

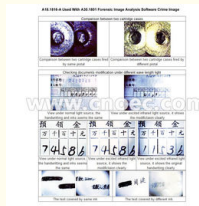
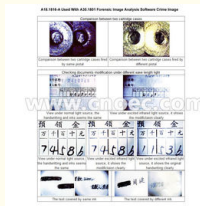
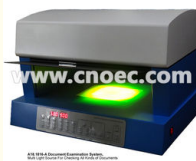


Product Specification

- Highlight: transmitted light microscope, bullet comparison microscope



More Images



Product Description

Forensic Comparison Microscope With Document Examination System

Document Examination System A18.1816

A18.1816 Questioned Document Examination Analyzer is an ideal tool to inspect, observe and compare many kinds of objects, evidences including:

- All kind of questioned documents: Used of different kinds of writing instruments, by adding, altering, conceal, forgery and other methods of fade contract, IOUs, real estate contracts, invoices, bills of exchange, checks, bills of lading, passports and so on.
- Various fluorescent encryption securities: checks, stocks, credit cards, stamps and special trademarks
- Identify cards, resident identify cards, temporary residence permits, etc.
- Currency: US Dollars, H.K. Dollars, RMB, etc.

| A18.1816 Questioned Document Examination Analyzer | |
|---|---|
| Light Source System | Main Light Source : 1x 24V/150W Halogen Lamp, with cooling fan, focusing lens, and heat-resistance glass cover |
| | UVC: short-wave ultraviolet light 254nm, 1x10W |
| | UVA: long-wave ultraviolet light 365nm, 1x10W |
| | Upper visible side light: 1x50W, with lamp holder which can adjust position and angle freely, used to check indentation |
| | Transmitted white light 2x20W |

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| | | | | |
|---|--|------------|------------|--------------|
| | Excitation Wavelength: 000nm,365nm,450nm,465nm,515nm,530nm,565nm,580nm,900nm | | | |
| | Receiving Filter: 000nm,415nm,450nm,565nm,700nm,720nm,740nm,800nm,900nm | | | |
| Video Camera System | High sensitive, high resolution 1/3" CCD color digital camera, 650 lines, sensitivity 0.001 Lux, especially sensitive to Near-infrared and visible spectral bands light source. Electrical zoom lens, aperture 1.2, zoom ranges 1~30x | | | |
| Function | Fluorescent light source with multi excitation and receiving filter combinations, can exam and compare the different inks used on documents | | | |
| | Reflect light and receiving filter combination, can exam the reflection and absorption of different wavelengths on different inks. | | | |
| | Reflect light and receiving filter combination, can exam the transmission of different wavelength infrared light on the different inks. | | | |
| | Transmit light and receiving filter combination, can exam the transmission of different wavelength infrared light on the different inks | | | |
| | Reflect side light can exam the scratch, cut marks on documents. Transmit light can illuminate from the bottom side to exam the scratch, cut marks on documents. | | | |
| Samples to choose light source according to different objects. | | | | |
| Objects | Light Source Excitation Receiving Exam | | | |
| Distinguish altered or added text by different kinds of ink | Excitation | 485-550 nm | 700-900 nm | Alter |
| Natural subside text on thermal paper, carbon paper | Excitation | 480-550 nm | 700-740 nm | Subside |
| Phosphor fingerprint | Excitation | 480-550 nm | 700-740 nm | Fluorescent |
| Multilayer indentation | Reflected Light _ Side | 000nm | 900nm | Indentation |
| Text on the black cloth | Reflected Light _ Side | 000nm | 900nm | Covered Text |
| Text in the Kraftpaper envelopes | Transmitted Light _ UV | 000nm | 900nm | Transmit |
| Correction Fluid | Transmitted Light _ UV | 000nm | 900nm | Alter |
| Security Trademark | UVC | 000nm | 000nm | Real/False |
| Currency Fluorescent | UVA | 000nm | 000nm | Fluorescent |



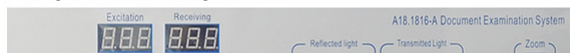
A18.1816-A Document Examination System



A18.1816-A Document Examination System
Backview, with doors opened at both sides, easy to put large documents



A18.1816-A Document Examination System,
Multi Light Source For Checking All Kinds of Documents





A18.1816-A Document Examination System, Control Panel



A18.1816-A Used With A30.1801 Forensic Image Analysis Software Crime Image

The comparison between two bullets from same pistol

| | | |
|---------------------------------------|---------------------------------------|--|
| | | |
| Joint of the trail of bullet ejection | Joint of the trail of warhead rifling | Comparison between trail of firing pin on bottom of the bullet |

Outstanding magnification function

| | | |
|----------------------------------|---|---|
| | | |
| Magnified part of cartridge case | Magnified part of shotgun cartridge case bottom | Observing cartridge case bottom under long working distance |

The joint and comparison between different object trails

| | | |
|-------------------------------------|------------------------------|-----------------------------|
| | | |
| Joint of two cartridge cases | Joint of two cartridge cases | Joint of two cutting trails |
| | | |
| Joint of two broken plastic objects | Joint of two scratch trails | Joint of two stamps |

Comparison between two cartridge cases

| | |
|---|--|
| | |
| Comparison between two cartridge cases fired by same pistol | Comparison between two cartridge cases fired by different pistol |

Checking documents modification under different wave length light

| | |
|---|---|
| | |
| View under normal light source, the handwriting and inks seems the same | View under excited infrared light source, it shows the modifictaion clearly |





| | | |
|---|---|---|
| | | |
| View under normal light source, the handwriting and inks seems the same | View under excited infrared light source, it shows the modifictaion clearly | View under excited infrared light source, it shows the original handwriting clearly |

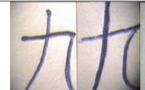

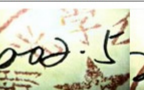
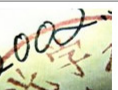
The text covered by same ink

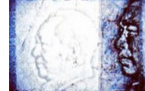







| | |
|------------------------------|-----------------------------------|
| | |
| The text covered by same ink | The text covered by different ink |



Comparison between the seals under ultraviolet light source





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|--|--|--|

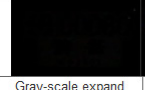


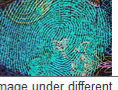
| | | | |
|--|--|--|--|
|  |  |  |  |
| The anti-fake stamp show clearly its mark under ultraviolet light source | The normal stamp dose not have mark under ultraviolet light source | The normal stamp dose not have mark under ultraviolet light source | The normal stamp dose not have mark under ultraviolet light source |

| The different order of handwriting and seal | | | |
|---|---|---|---|
|  |  |  |  |
| Under normal light | Illumination Effect shows the order clearly | Handwriting cover the seal | Seal cover the handwriting |

| Comparison to check false money, certificate or stamps | | | |
|---|---|---|---|
|  |  |  |  |
| Real money | False money | Real money | False money |
|  |  |  |  |
| Real identify card under normal light | Real identify card under ultraviolet (365nm) light | Real stamp under normal light source | Real stamp under ultraviolet light source |

| Comparison between two cartridge cases | |
|---|---|
|  |  |
| Comparison between two cartridge cases fired by same pistol | Comparison between two cartridge cases fired by different pistol |

| Crime Image can make blur image clearly | | | |
|---|---|---|---|
|  |  |  |  |
| Focus-out Blur Image | Restoration Effect | Motion Blur Image | Restoration Effect |

| Change wave band to get a clear image | | | |
|---|---|---|---|
|  |  |  |  |
| Gray-scale expand image | Gray-scale expand effect image | Image under normal length | Image under different wave length |



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