



## A18.1816-A Document Examination Analyzer / Document Examination Equipment With Halogen Lamp UVC UVA

Our Product Introduction

for more products please visit us on [cnoec.com](http://cnoec.com)

### Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A18.1816
- 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

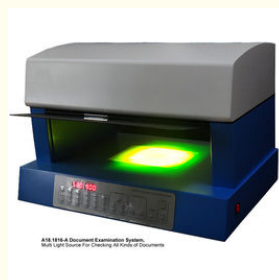


### Product Specification

- Light Source System 1: Main Light Source : 1x 24V/150W Halogen Lamp
- Light Source System 2: UVC: Short-wave Ultraviolet Light 254nm, 1x10W
- Light Source System 3: UVA: Long-wave Ultraviolet Light 365nm, 1x10W
- Light Source System 4: Upper Visible Side Light: 1x50W
- Light Source System 5: Transmitted White Light 2x20W
- Video Camera System: Electrical Zoom Lens, Aperture 1.2, Zoom Ranges 1~30x
- Highlight: **bullet comparison microscope, binocular optical microscope**



### More Images



## Product Description

### With Halogen Lamp UVC UVA OPTO-EDU A18.1816-A Questioned Document Examination Analyzer

**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 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

## Product Description



**A18.1816-A Document Examination System**



**A18.1816-A Document Examination System**

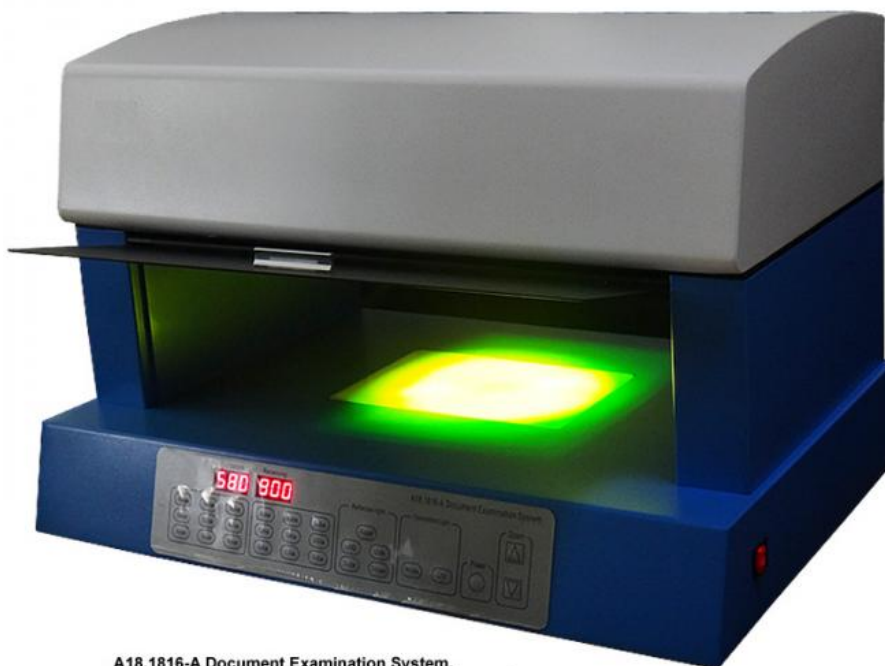
Backview, with doors opened at both sides, easy to put large documents



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



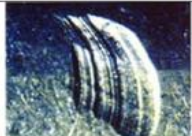



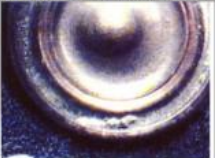



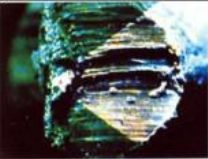

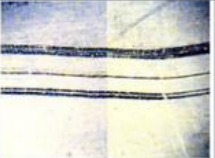

**A18.1816-A Document Examination System, Control Panel**



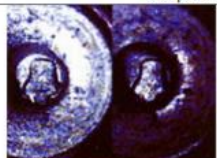





**A18.1816-A Document Examination System,  
Multi Light Source For Checking All Kinds of Documents**



















**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

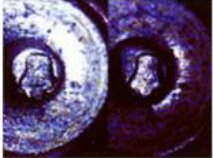









**A18.1816-A Used With A30.1801 Forensic Image Analysis Software Crime Image**

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 modification clearly																																														
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The text covered by same ink	The text covered by different ink																																														




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

Comparison between the seals under ultraviolet light source			
			
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 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

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

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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