# 17" Touch Screen Forensic Document Examination System with 30x Zoom

Our Product Introduction

## Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A18.1825
- 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

- Applications: Student|school
- Certification: CE|Rohs
- Drawtube: Binocular
- Illumination: LED
- Magnification: 3.2x - 192x
- Theory: Comparison Microscope
- Highlight: **17 inch forensic document examination system**, **touch screen forensic comparison microscope**, **30x zoom forensic document analyzer**

## Product Description

# OPTO-EDU A18.1819 LCD Touch Screen All-in-One Questioned Document Examination System

**Brand New Design 2025 - Advanced Forensic Examination Solution**

- 17" Touch Screen All-in-One Document Examination System
- USB 3.0, 2.0M 1/2.8" CMOS sensor with 30x Optical Zoom and 12x Digital Zoom
- Built-in 17" Touch Screen Computer with Windows 11 (I5/8G/512G HD)
- Pre-Installed Forensic Analysis Software with 3-Direction Open Door for Large Documents
- Comprehensive Light Source System: Diffuse Reflection, UV, IR, and Visible Light Sources


## A18.1819 Features

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**Advanced Light Source System**

- Uniform and strong light source: 1x 24V150w halogen lamp with cooling fan, condenser lens, and heat insulation glass
- Short-wave ultraviolet (SUV): 254nm: 1x10W with visible fluorescence
- Long-wave ultraviolet (LUV): 365nm: 1x10W with visible fluorescence
- Visible side light: 1x50W for infrared absorption/reflection detection with adjustable lamp stand
- Transmission ultraviolet (UV): 2x10W for printing ink analysis
- Transmitted white light: 2x20W for watermark detection

- High transmittance excitation filters for 000nm, 365nm, 450nm, 465nm, 515nm, 530nm, 565nm, 580nm, 900nm
- Receiving filters: 000nm, 415nm, 450nm, 565nm, 700nm, 720nm, 740nm, 800nm, 900nm
- Multi-band light source: 4-bands segmented observation

## A18.1819 Specification

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**High-Performance Image System**

- USB 3.0 digital camera with 1/2.8" 2.0MP CMOS sensor
- 30x Optical zoom (4.3~129mm view field) with 12x Digital zoom
- Full HD video output up to 1080p @60fps with uncompressed transmission
- Compatible with Windows & Linux systems

**Enhanced Functionality**

- 17-inch touch-screen all-in-one system with wireless keyboard/mouse
- External LCD displays real-time excitation and cutoff filter wavelengths
- Three-door design for convenient observation of large samples
- Save all detection images and data with integrated printing capability
- Multi-mode image comparison: stitching, overlapping, ghosting, cutting
- Precision measurement of chromaticity, grayscale, reflectivity, and absorbance
- Advanced image processing including depth-of-field synthesis and deblurring

## A18.1819 More Picture

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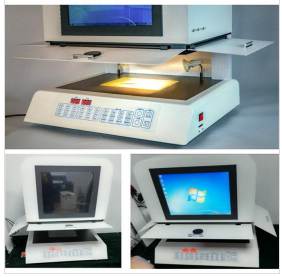
**Core Examination Functions**

- Test fluorescence differences in inks using various excitation light and filter combinations
- Assess ink absorption and reflection across light bands with reflective light
- Evaluate infrared penetration effects on inks with reflected light
- Test infrared penetration through inks with transmitted light
- Reveal scratches and cuts with side-lit grazing incidence
- Detect cuts and repairs with bottom-up transmitted light



## A30.1801 Software & Cases

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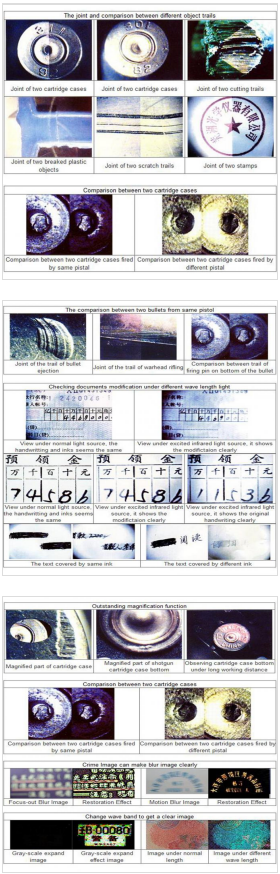
**Forensic Image Analysis Capabilities**

The A18.1819 works with A30.1801 Forensic Image Analysis Software to provide comprehensive crime image examination. The system demonstrates handwriting analysis capabilities, revealing subtle variations in pen pressure and stroke sequence. High-resolution comparison highlights discrepancies between genuine and forged signatures, providing critical evidence for legal investigations.

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