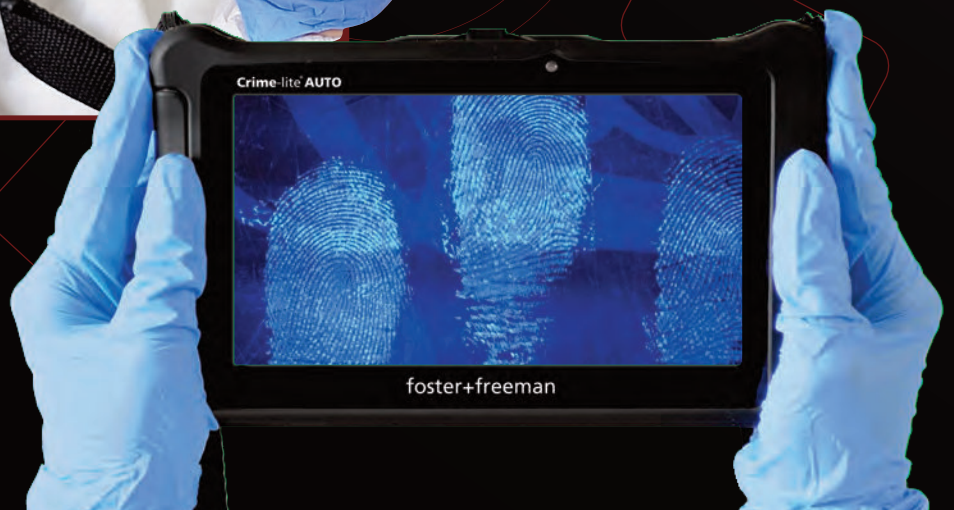


foster+freeman

# *Crime-lite*

# AUTO

FOR CRIME SCENE & LABORATORY



The most integrated, complete and compact forensics  
digital camera solution in existence

# Crime-lite AUTO

## Forensic Search and Capture



### Full Spectrum UV-Vis-IR Camera with 55x Illumination Wavebands

Introducing the first in a new generation of forensic search and detection tools.

Combining the latest forensic imaging technology with high-intensity multi-spectral illumination, the new Crime-lite AUTO is a complete solution to the search, detection and capture of evidence.

A compact handheld device, with the weight and feel of a pro-grade digital SLR camera, the Crime-lite AUTO can reveal evidence including, body fluids (semen, saliva, and urine etc.); blood on dark fabrics; fingerprints; gunshot residues; and traces of physical evidence (glass, fibres, hairs, etc.)

#### Precision Imaging Camera

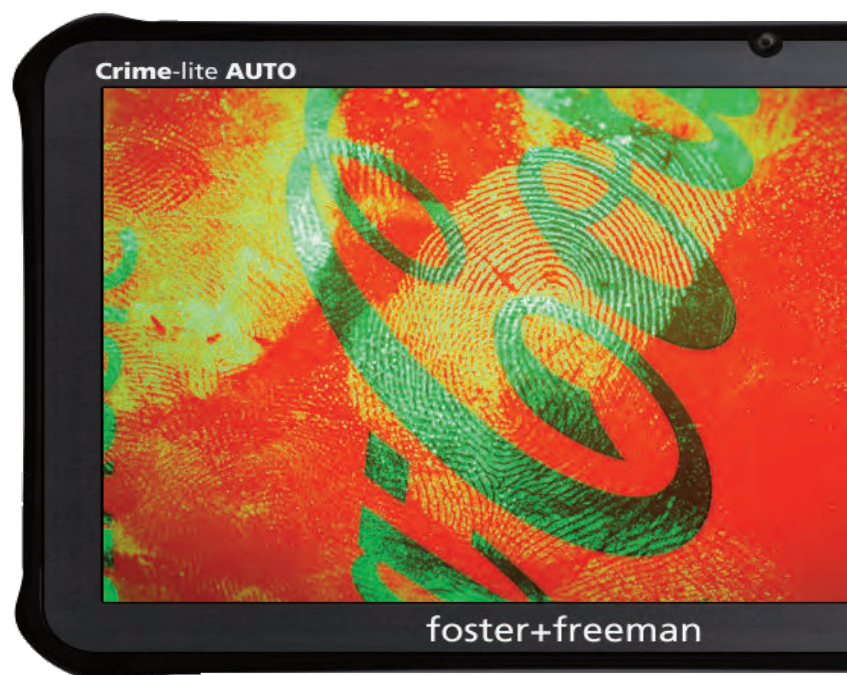
Document evidence at the crime scene using a UV-IR sensitive camera with autofocus macro lens.

#### UV-Vis-IR Illumination

Utilise up to 55 waveband combinations to detect a wide range of evidence types.  
Search beyond the visible spectrum using UV, Vis, and IR wide-angle lighting.

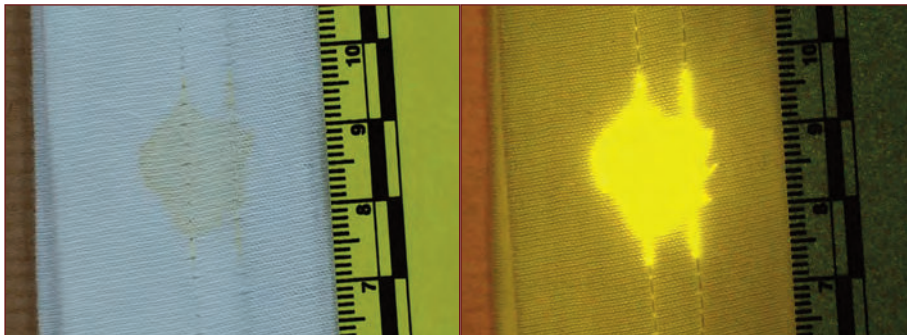
#### Intelligent Interface

View crystal clear live video and captured images on the Crime-lite AUTO's simply controlled, integral 7" touchscreen interface.





# Detect, Examine, and Capture Evidence at the Crime Scene



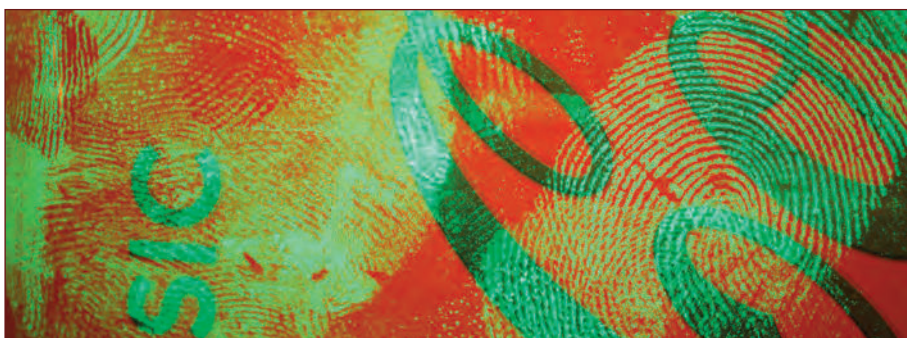
## **DETECT BODY FLUIDS** **Fluorescence Examination**

Powerful multispectral illumination reveals naturally fluorescent body fluids including semen, saliva, urine, vaginal fluids etc.



## **REVEAL BLOOD STAINS** **Live Infrared Examination**

Realtime infrared examination can quickly locate the presence of blood against dark backgrounds.






## **VISUALISE FINGERMARKS** **Contrast Examination**

Powerful illumination and camera technology enables the examiner to visualise fingerprints on a variety of substrates.

## **Reveal and Enhance the Visibility of Evidence**

Performing real-time visible, fluorescent, and infrared examinations, the Crime-lite AUTO can quickly reveal the presence of evidence including body fluids (semen, saliva, sweat etc.), fingerprints, fragments of bone and tooth, hair, and suspect fibres, etc.

Optimised for mobile use, to be operated by examiners in full CSI-PPE kit, the compact device further improves the evidence workflow and increases the efficiency of examinations, by allowing video and images to be stored internally or exported to an external device for immediate digital transfer to the forensic laboratory.

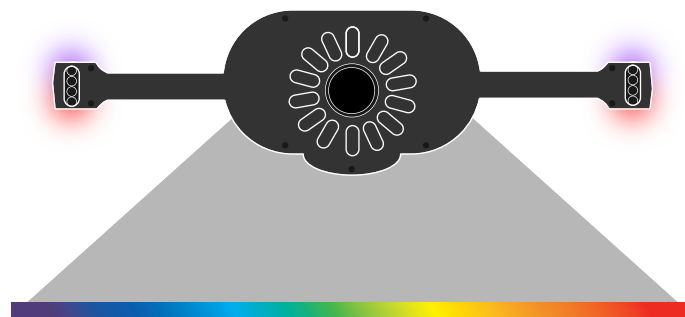
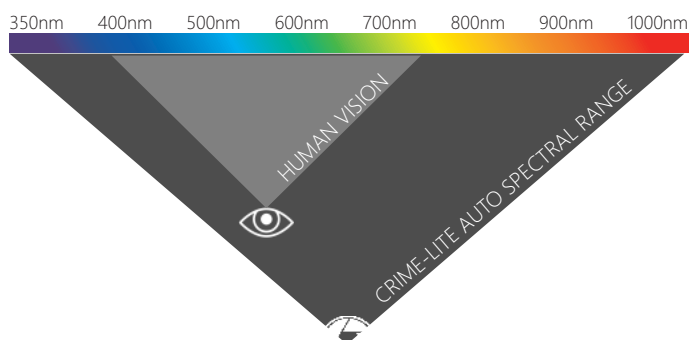
-  **Body Fluids**
-  **Fingerprints**
-  **Trace Evidence**

# Powerful Forensic DSLR Camera | Multi-Spectral Light Source

Wide-Angle Illumination  
with UV, White and IR LEDs

Multi-Spectral Illumination  
provides up to 55 waveband combinations

Precision 20MP Camera  
sensitive from UV-IR



## Crime Scene Photography Without Limitations

Search for traces of evidence under UV, Visible and Infrared illumination, before documenting the scene using multi-spectral of photography to reveal evidence that cannot be seen by the naked eye.

## Optimise Illumination to Reveal More Evidence

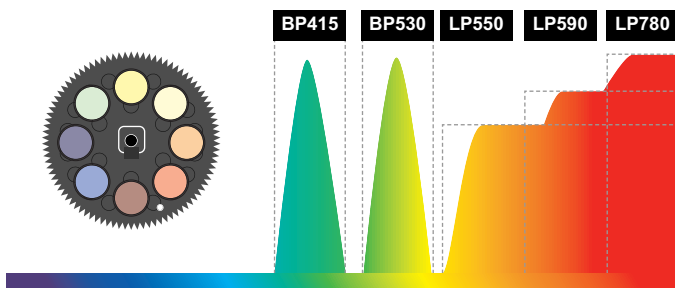
Select LEDs individually or in combination to create up to 55x wavebands of illumination for the detection of evidence, and for the excitation of fingerprint powders and naturally fluorescent body fluids.

# Integral Touch Screen Display | Advanced Connectivity

Advanced Connectivity  
Bluetooth, Micro SD, USB & HDMI

Motorised Filter Wheel  
with intelligent filter selection

Integrated 7" Multi-Touch Display  
with forensic capture software



## Intelligent Fluorescence Filter Selection

When alternating between illumination wavebands, the Crime-lite AUTO automatically selects the corresponding fluorescence imaging filter to optimise evidence visualisation. Full manual control of filter selection is also available.



## Uncomplicated 7" multi-touch interface

Intuitive and easy to use, the Crime-lite AUTO's large touch screen interface provides complete control of all camera and illumination functions and settings whilst displaying crystal clear live and stored images of evidence.



# Crime-lite AUTO System Specifications

## System Hardware

### CAMERA

- High sensitivity colour/IR camera
- Autofocus macro lens
- High resolution still images (5456x3632px)
- HDMI live video output

### ILLUMINATION

High intensity LED illumination ring:

- UV 365nm, Violet 410nm, Blue 445nm, Blue Green 475nm, Green 520nm, Orange 590nm, Red 640nm
- 4x LED per wavelength
- Combine LEDs to provide up to 55 combinations
- Brightness control function

2x Wide-angle LED illumination arms:

- UV 365nm, White VIS, IR 850nm
- 2x UV LED, 1x White LED, and 1xIR LED per arm

### IMAGING FILTERS

9-position motorised filter wheel

- Longpass filters at:  
VIS, 455nm, 495nm, 550nm, 590nm, and 780nm
- Bandpass filters at:  
UV 315-380nm, 415nm, and 530nm

### INTERFACE

7" multi-touch IPS TFT display  
Internal processor (no PC required)  
App' style user interface  
WiFi and Bluetooth connectivity

## Optional Accessories

### SPARE 2AH BATTERY

QCL/AUTO/ACC/1

High capacity 12V V 2Ah Lithium Ion battery with battery fuel gauge and battery protection circuit

### SPARE 4AH BATTERY

QCL/AUTO/ACC/2

High capacity 12V 4Ah Lithium Ion battery with battery fuel gauge and battery protection circuit

### RAPID BATTERY CHARGER

QCL/AUTO/ACC/3

Charge Crime-lite AUTO Li-Ion batteries. Includes charge status display

### AC MAINS POWER ADAPTOR

QCL/AUTO/ACC/8

Operate the Crime-lite auto via AC mains power

### CARRY CASE

QCL/AUTO/ACC/4

Rugged, waterproof case with machined foam cut-outs

### ADJUSTABLE SHOULDER/NECK STRAP

QCL/AUTO/ACC/5

### HIGH SPEED 128GB MICRO SD CARD

QCL/AUTO/ACC/6

Store >2000 uncompressed images

### HIGH SPEED USB MEMORY STICK

QCL/AUTO/ACC/7

## Dimensions



- H 126mm x W 207mm x D 159mm (excluding battery)
- Weight (when fitted with 2Ah battery) 1.6kg (approx.)

## System Software

Crime-lite AUTO functions are carried out via an 'App' style interface using the system's integrated multi-touch display:

- Live video search and capture (AVI)
- High-resolution capture of still images (BMP, TIFF, PNG, JPG)
- Complete control of all camera settings
- Complete control of all illumination settings
- Manual or semi-automated 'intelligent' filter selection
- Pull-out image gallery of all recent work
- Live/stored image comparison
- Save and Recall images with examination settings
- Timestamp captured video and images
- Export images and data to external USB
- Option to connect secondary viewing monitor via HDMI

