Detect, Examine & Mark-Up Traces of Evidence
The Crime-lite ML PRO is the first in a new generation of evidence screening tools built to meet the demands of busy forensic laboratories tasked with processing large quantities of evidence.

With fully-integrated UV-Vis-IR illumination and an 'intelligent optics' imaging system, the ML PRO can be used to mark-up evidence, detecting the presence of bodily fluids and locating minute fragments of trace evidence.

Examinations are conducted using the system's 10” touch-screen display and can be displayed in high-resolution via an attached 32” monitor. Pre-set examinations and automatic filter selection make the system quick and easy to use.

**Crime-lite ML PRO**

The Crime-lite ML PRO is the first in a new generation of evidence screening tools built to meet the demands of busy forensic laboratories tasked with processing large quantities of evidence.

With fully-integrated UV-Vis-IR illumination and an ‘intelligent optics’ imaging system, the ML PRO can be used to mark-up evidence, detecting the presence of bodily fluids and locating minute fragments of trace evidence.

Examinations are conducted using the system’s 10” touch-screen display and can be displayed in high-resolution via an attached 32” monitor. Pre-set examinations and automatic filter selection make the system quick and easy to use.

**RAPID EVIDENCE SCREENING**

✔ Semen
✔ Blood
✔ Saliva
✔ Vaginal Fluids
Examine items under UV, Visible and Infrared light sources to locate the presence of evidence.

Easily manoeuvre the ML PRO over evidence performing one-click automated searches or using manual controls to select light source and filter combinations.

Record live video and high-quality still images using a Vis/IR sensitive camera with ‘intelligent optics’.

Zoom-in and apply basic image enhancements, including exposure control and image invert, to detect evidence that would have otherwise gone unnoticed.

Identify areas of interest and mark-up digital images of evidence using text and shape annotations.

Produce court-ready reports complete with chain-of-custody information, contextual images, side-by-side comparisons, and software-generated line drawings.
The ML PRO includes all hardware required for the screening, detection and digital mark-up of evidence. Hardware features include:

- High-resolution UV/Vis/IR camera with zoom lens
- Flood, side and spot LED light sources
- Motorised fluorescence imaging filter wheel
- 10” LCD display with internal processor
- No PC required

Operated via the integral touchscreen, an ‘app-driven’ interface simplifies the evidence screening process. Software features include:

- Manual or semi-automated operation
- Choice of pre-programmed routines
- Search by evidence-type or illumination waveband
- Intelligent filter selection
- Image comparison and enhancement tools
Serology

A non-contact, chemical-free screening solution, the ML PRO includes illumination options to detect all types of body fluid.

- **Fluorescence examinations**
  - ✔ Semen, sweat, urine, vaginal fluid
- **Infrared imaging**
  - ✔ Blood on dark backgrounds

Trace Evidence

High-intensity illumination, used in combination with zoom magnification, can reveal minute fragments of evidence.

- **Fluorescence examinations**
  - ✔ GSR, fibres, bone, tooth and hair
- **Contrast examinations**
  - ✔ Glass fragments, soil and pollen

Post-Mortem

Deploy multi-spectral forensic imaging technology in the morgue to reveal deep-tissue contusions.

- **Fluorescence examinations**
  - ✔ Bruises, bites and puncture wounds
- **Infrared imaging**
  - ✔ Tattoos on charred skin
System Specifications

System Hardware

Camera
High sensitivity colour/IR camera
Autofocus zoom lens

Illumination
- **Flood** UV, Violet, Blue, Blue/Green, Green, Red
- **Side** UV, White, IR
- **Spot** UV, Violet, Blue, Blue/Green, Green, Red

Interface
- 10.1" multi-touch LCD interface
- Internal processor (no PC required)

Optional Accessories

**Crime-lite ML PRO Wheeled Trolley** *(pictured)* [QCL/MLPRO/TROLLEY]
- Easily manoeuvre the Crime-lite ML PRO around the laboratory
- Heavy-duty wheeled trolley with lockable castors
- Includes Crime-lite ML PRO articulated arm and monitor mount

**Wall-Mounted Articulated Arm** [QCL/MLPRO/ARM]
- ‘Weightless’ manoeuvre of Crime-lite ML Pro
- 180° range of motion with 1.6M max. reach

**Wall-Mounted Monitor Arm** [QCL/MLPRO/MONARM]
- Mount a 32" monitor to the Wall-Mounted Articulated Arm

**32" Monitor** [QCL/MLPRO/MON32]
- Secondary 32" UHD Monitor (3840x2160)

**Wireless Mouse & Keyboard** [QCL/MLPRO/KM]
- For non-touchscreen operation of Crime-lite ML PRO

System Software

Two modes of operation for semi-automated (basic) or manual (expert) control of examinations:

**BASIC semi-automated examination mode**
- ‘App’ style icon-based user interface
- Pre-set examinations for Body Fluids (general), Semen, Urine, and Blood searches
- One-click Full AutoScan examines evidence under multiple examination conditions with results displayed as selectable thumbnails
- Image Comparison Function

**EXPERT manual examination mode**
- Complete control of all examination settings including illumination, filtration and imaging

General software features

- Image comparison facilities to compare split live and stored images side-by-side
- Pull-out image gallery of all recent work allowing comparison with current and previous images
- Editable image annotation facilities (text and various shapes including arrows, lines, boxes and circles)
- Save and Recall images complete with all examination settings

Software updates

- Software suite updates for 2 years