DCS® RUVIS

VISUALISE | CAPTURE | ENHANCE

Expert Fingerprint Workstation



foster+freeman

DCS® RUVIS



COMPLETE DCS RUVIS SHORTWAVE UV IMAGING WORKSTATION

Game Changing Results

High-contrast fingerprint visualisation with minimal background interference

DCS RUVIS uses shortwave Reflected-UV Imaging to reveal latent and minimally treated fingerprints with exceptional contrast - even on difficult, multi-coloured and patterned surfaces.

By imaging at 280nm, RUVIS can significantly reduce distracting background detail, allowing ridge characteristics to stand out clearly from the surface beneath. The result is a powerful, highly effective method for locating, visualising and capturing fingerprint evidence that may be difficult to resolve using conventional imaging techniques.

Particularly effective on packaging, plastics, polymers and other visually challenging substrates, RUVIS provides a fast, non-contact and non-destructive method for locating and capturing latent and minimally treated fingerprints.

DCS RUVIS: GREATER CLARITY ON CHALLENGING SURFACES



Where RUVIS excels:

- Latent fingerprints
- Minimally treated fingerprints, including cyanoacrylate-treated marks
- Multi-coloured and patterned packaging
- Plastics and polymer surfaces
- Surfaces where visible background detail obscures ridge characteristics

DCS® RUVIS

VISUALISE

Reveal what conventional imaging can miss

RUVIS uses a dedicated shortwave UV illumination source together with a specialist imaging camera and lens to visualise reflected ultraviolet light outside the visible spectrum.

The examiner can position and angle the illumination to maximise UV scattering from the fingerprint and minimise interference from the substrate. This makes RUVIS particularly valuable when examining patterned, coloured or otherwise visually complex surfaces.





CAPTURE

Precisely preserve fine ridge detail

Once the optimum illumination and viewing conditions have been established, the DCS RUVIS imaging camera captures a high-resolution record of the fingerprint.

The dedicated shortwave UV imaging system combines a high-sensitivity camera, specialist lens and consistent 280nm illumination to provide a controlled workflow from initial visualisation through to evidential image capture.



ENHANCE

Turn captured images into clear, usable evidence

Following capture, fingerprint imagery can be optimised using dedicated forensic imaging software. Contrast, tonal range and image presentation can be refined, with annotations added where required, to improve the visibility and presentation of ridge characteristics while maintaining a controlled processing workflow and audit trail.

Images can then be prepared for examination, comparison and evidential reporting within a consistent forensic imaging workflow.

See the fingerprint. Not the background.

USING RUVIS TO REVEAL FINGERPRINTS ON PACKAGING AND POLYMER, MINIMALLY TREATED WITH CYANOCRYLATE



Colour, graphics and surface pattern can make latent fingerprints difficult to distinguish using conventional photography. The examples above show how RUVIS suppresses distracting detail to reveal ridge characteristics with greater clarity across a range of challenging packaging and polymer surfaces.

Powerful contrast.
Less background.
More usable detail.

SYSTEM SPECIFICATION

Full technical details are available directly from foster+freeman.

DCS6/KIT/022

RUVIS IMAGING KIT



RUVIS Shortwave UV Imaging Camera
High-sensitivity invisible light spectrum camera captures AFIS-ready 1000ppi fingerprint images.

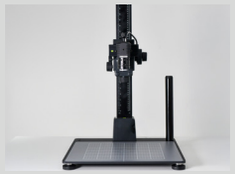
35mm RUVIS Imaging Lens
Manual-focus imaging lens provides 200-1100nm transmission.



Crime-lite 82S PRO UV 280nm
Handheld, 16-LED source provides intense shortwave UV for RUVIS.

DCS6/KIT/001/RUVIS

CORE WORKSTATION



Copy Stand
Professional workstation.



PC, Monitor and Software
Contact foster+freeman for current PC and monitor specifications.

Operational Considerations

Shortwave UV examination requires careful workflow planning and appropriate PPE. With these measures in place, RUVIS provides powerful capability for revealing exceptional detail in latent and minimally treated fingerprints, supporting enhanced forensic examination.

DCS6/KIT/FILTER2

OPTIONAL ACCESSORIES



Narcotics Detection Kit
330nm bandpass filter to help detect the presence of illicit substances

DCS® RUVIS

Ready to find out more?

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