3. VIDEO SPECTRAL COMPARATOR

Non-destructive spectral analysis of documents can identify differences in ink and paper formulations.

Absorption, Reflectance, Fluorescence & Transmitted spectra can be captured in real time and displayed on-screen in a simple graphical format.

Create in-house databases for checking questioned documents against the authentic or subscribe to regularly updated Banknote and Security Document databases.

A motorised XY translation stage allows fast and precise positioning of documents at high magnification.

Smooth sub-millimetre movements are controlled via simple on-screen controls.

Multi-spectral illumination

- UV activated features
- OVDs & holograms
- Anti-Stokes features
- Retro-reflective features
- Optically variable inks
- Phosphorescent inks
- Watermarks
- Multiple laser images
- Latent images
- Birefringent features
- See-through register
- Stamps and embossing

Alterations & Counterfeits

Reveal evidence of document abuse including page or photo substitution and chemical erasures.

Analyse inks and papers using infrared examination, hyperspectral imaging, Superimposition documents and the system’s integral microspectrometer.

Advanced Security Features

VSC software can auto-detect e-passport data and decode barcodes, Machine Readable Zones (MRZ), and concealed information. Regular update of software updated to include examination procedures for new security techniques when adopted.
**Invisible Personal Information**
- CAO coded data
- e-Passport biometric data
- Taggants 1D and 2D barcodes
- Letter Screen embedded data
- Security threads
- Micro/nano printing

**VSC ACCESSORIES**

**Document and banknote databases**

Two reference databases showing the security features found on travel documents, including passports and ID cards, and banknotes.

Banknotes database
Information and images banknotes from 184 countries

Security Documents database
Information and images of passports,
ID cards and Driving Licenses from 197 countries

**Microscope Options**
A range of high magnification imaging systems providing input into the VSC via a high resolution video camera.