Intelligent Touch Screen Workstation for the Examination of Travel & Identity Documents

Including:
- Passports, Visas, ID Cards, and
- Drivers Licences etc.
Advanced forensic-level technology, simply controlled. The VSC®80i provides a complete solution to the comprehensive examination of secure travel and identity documents including passports, ID cards, visas, entry permits, and driving licences etc.

Ideal for high security, fast-paced environments including air, land and sea ports, immigration controls, and border crossing points etc. the VSC®80i re-writes the rulebook for high-level document examination by enabling the operator to interrogate documents with forensic precision via an intuitive touchscreen interface that improves processing speed and efficiency.

A fully integrated workstation, that does not require an additional PC, the VSC®80i builds upon the industry-leading VSC technology that is used by forensic document examination professionals worldwide to provide a powerful solution for the detection of counterfeit and altered documents.

Detect Fake and Counterfeit Documents

- Inspect documents under high magnification
- Authenticate passport & ID card security features
- Observe documents under UV-Vis-IR light sources
- Compare suspect against genuine documents

Forensic-Level Technology, Simply Operated

- Intuitive icon-driven software interface
- Semi-automated examinations
- ‘One-Click’ activation of examination routines
- Fully integrated system - No PC required

Four phases of document examination, originally published as part of the United Nations Office on Drugs and Crime Guide for the Development of Forensic Document Examination Capacity, 2010
Authenticate Travel & Identity Documents

The VSC®80i provides a suite of inspection tools that enable the examiner to differentiate between false and genuine documents.

Using a combination of specialist illumination and digital enhancement techniques, easily applied using the VSC®80i touchscreen interface, examiners are able to identify even high-level fakes and reveal the tell-tale signs of tampering.

Reveal UV Activated Security Features
Use 3 wavelengths of UV to activate and reveal security features used on documents and banknotes worldwide.

Examine Microtext and Fine Details
Examine documents under high magnification to reveal inconsistencies in patterns and print quality.

Decode ePassport, MRZ & Embedded Data
Auto-detect data embedded within documents including, MRZ, barcodes, IPI and latent images.

Surface Features and Laser Engraving
Reveal barely visible laser engravings on the surfaces of ID cards and plastic coated passport data pages.

A choice of fast, accurate and reliable ePassport, CARD and ICAO readers are available for use with VSC®80i workstations, enabling the user to simultaneously capture and decode the contents of an ePassport or contactless smart card.
VSC®80i hardware options

Hardware Variants
Three distinct models of VSC®80i, the FS, M1 and M2, enable the user to select a system to meet with their own unique requirements.

Touchscreen Display
Quick and easy to use requires little training

Modular Illumination
To reveal alterations and check security features

Integral Workstation
On-board processing no external PC required

Intuitive Design
Turnkey operation low maintenance

VSC®80i FS
The complete workstation

VSC®80i M2
The mid-range workstation

VSC®80i M1
The entry-level workstation

Touchscreen Interface
21.5” touch sensitive display, provides excellent image clarity and dynamic contrast together with complete control of all VSC80 functions

High Sensitivity Camera
Full HD CMOS colour/mono IR sensitive camera with zoom lens captures bright, sharp live images of the examination area

Essential Illumination Module
UV, Visible and IR light sources mounted in flood, incident, transmitted and spotlight arrays for the multispectral examination of documents

Removeable Transmitted Light Base
Unique to the VSC®80, the transmitted light base may be removed from the main unit for the examination of larger items.

FS Features
- Removeable Transmitted Light Base
- Incident UV-B and UV-C Light Sources
- 13x Camera Filter Module
- 10x LED Spotlight
- Infrared Anti-Stokes Light Source

M2 Features
- Removeable Transmitted Light Base
- Incident UV-B and UV-C Light Sources
- 6x Camera Filter Module
- 4x LED Spotlight

M1 Features
- Removeable Transmitted Light Base
Advanced Forensic-Level Technology. Simply Controlled

A new icon-driven software interface provides fast and intuitive access to all VSC®80i examination functions enabling users of varying ability to perform advanced forensic-level examinations.

Accessible Icon-Driven Interface
Uncomplicated and instantly accessible, the VSC80i interface enables all levels of user to perform examinations with ease.

Reference Document Databases
Automatically detects the document type under examination and displays authentic reference images for comparison.

Automated Examinations
Customised automated imaging routines greatly increase the speed and efficiency of examinations.
### VSC®80i Core System Specifications

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<tr>
<th>Imaging</th>
<th>Illumination</th>
<th>Essential Hardware</th>
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<tr>
<td><strong>Camera</strong></td>
<td>Vis-IR sensitive Zoom lens</td>
<td>VSC Dimensions W:392 x D:372 x H:366mm</td>
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<td>Full HD live video output</td>
<td>Power Supply Input 110V/230V, 50/60Hz</td>
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#### Optional Hardware Accessories

- **e-Passport Reader 1A**
  Order Ref: VSC/ERREADER1/A
  High performance MRZ and RFID data reader with contact/contactless capability.

- **e-Passport Reader 3**
  Order Ref: VSC/ERREADER3
  Compact RFID and CARD reader with CCID interface.

- **Intelligent Display Mounting Arm**
  Order Ref: VSC80/MOUNT
  Easy to assemble adjustable mounting arm for the VSC80i’s 21.5’’ touchscreen display. Arm extends, retracts and tilts to change the operating angle of the display.

- **Padded Carrying Case**
  Order Ref: VSC80/CC
  Wheeled travel case with retractable handle.

- **DC to AC Power Adaptor**
  Order Ref: VSC80/12VDC
  12V inverter to provide 120W AC mains voltage.

#### Optional Software Accessories

- **Embedded Personal Data Decoder**
  VSC80/IPI
  IPI (Invisible Personal Information) and ICI (Invisible Constant Image) to enable detection of IPI/ICI in passports and ID cards.

  Uses Scrambled Indicia® Technology supplied under licence from Graphic Security System Corp (GSSC) of the USA.

- **LetterScreen ++ Decoder**
  VSC80/LS/PLUS
  LetterScreen ++ detection and verification by special algorithm based on personal data in MRZ.

  Machine-Readable LetterScreen++ ® Technology supplied under licence from Jura, Hungary.

- **Security Documents Database**
  Reference database of ID documents.
  Archive Collection VSC/D8/Archive
  Annual Subscription VSC/D8/KDATA

- **Banknotes Database**
  Reference database of banknotes.
  Archive Collection VSC/D8/Archive/C
  Annual Subscription VSC/D8/KDATA/C

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