

VSC 90®

Cutting-Edge Border Security Technology

The Complete Document Authentication Solution

As threats from irregular border crossings and fraudulent documents escalate, compact document examination systems have become indispensable tools for global border security.

When selecting such a system, organisations must consider factors such as performance, reliability, user-friendliness, and long-term support.

With over 45 years of experience, foster+freeman solutions, including the cutting-edge VSC90, set the standard for verifying the authenticity of travel and identity documents.

VSC90 APPLICATIONS INCLUDE:



Rapid Passport and ID Verification:

Accurate authentication of travel documents to prevent fraud and illegal immigration.

— 2-in-1 —
Technology



Advanced Forensic-Level Analysis:

Examination of questioned documents for evidence of tampering, alterations, or forgeries.



Improved Border Security:

Supporting border control operations by providing efficient and reliable document inspection.



Frontline Inspection to Forensic-Level Examination Two-in-One Technology

Strengthen document security using common equipment at every level of interrogation, from the frontline to laboratory.

Supplied with 2 distinct software modes of operation, the VSC90 is suitable for deployment at all levels of border security:

Rapid Spectral Check for Front or Second-Line Inspection

Perform fast and effective document checks using a simplified interface streamlined for a high-throughput environment.

Forensic-Level Examination in the Laboratory

Utilise the full interrogation power of the VSC90 and perform advanced functions including 3D surface analysis.

VSC90 CHECKS INCLUDE:

- | | |
|--|--|
|  RFID eChip Analysis |  High Magnification |
|  Biometric Facial ID |  UV to IR Imaging |
|  Encoded MRZ Data |  3D Surface Analysis |



Document Examinations

Inspection of the Physical Document

Combine multi-spectral illumination with powerful narrowband LED illumination to inspect every millimetre of a document's surface.

Detect Counterfeits:

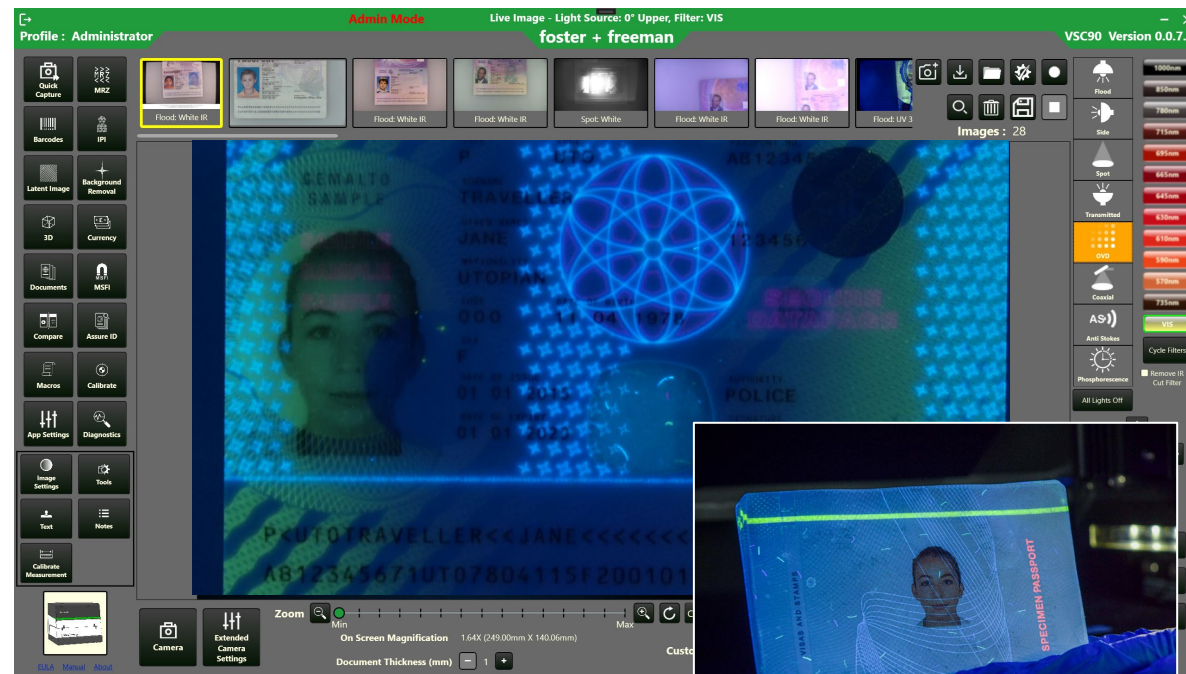
Examine the quality of print, paper, bindings and laminates to reveal the telltale signs of counterfeiting.

Reveal Evidence of Tampering:

Identify the presence of erasures and alterations including photo-substitution, turfing, and chemical erasures.

Authenticate Genuine Documents:

Reveal and inspect all levels of document security to confirm its validity.



VSC90 FEATURES INCLUDE:



Next-Generation Vis-IR Camera:

High-resolution camera optimised for multi-spectral document inspection.



Twin-lens zoom system:

Precision 30x zoom with auto focus, continuous and discrete magnification.



All-LED WaveTrim Illumination

Powerful and robust illumination, precision-tuned at every wavelength.

Document Examinations

Digital Interrogation of the eChip

Unique to VSC, and developed with support from the UK Home Office, VSC90 software can read and authenticate ePassports, verify identity, and provide detailed analysis of the passport's data. It supports different levels of access control to ensure a secure and efficient border control process.

Read and Authenticate ePassports:

Decode and examine data stored within an ePassport or eID.

Verify Identity and Security:

Perform authentication checks, including Terminal Authentication, Passive Authentication, Active Authentication, and Chip Authentication, to ensure the authenticity of the passport and the identity of the passport holder.

Provide Detailed Analysis:

View personal data stored on the eChip, such as the holder's name, date of birth, and passport number. Perform detailed analysis of data including Hash values inspection and chain of trust validation



VSC90 FEATURES INCLUDE:



Integrated RFID Reader

Access eChip data via the embedded dual-page RFID reader.



Analyse Embedded Data:

Extended ICAO 9303 RFID Decoding, including BAC, PACE and EAC.



Chain of Trust Authentication

Confirm the integrity of the passport and the identity of the holder