

VSC[®]8000

MICROSCOPES & ACCESSORIES

Further enhance the capabilities of the VSC[®]8000 through the addition of optional accessories including NIST traceable standards, high specification external microscopes, document reference databases, and e-passport readers.

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VSC[®] 8000 EXTERNAL MICROSCOPES

Combine the document examination capabilities of the VSC[®]8000 with one of our selected microscopes to achieve the ideal interaction of multi-spectral imaging and advanced image processing with crystal clear imaging of fine details at high levels of magnification.



5MP High Resolution Video Camera

V8/CAMGigE

This 5MP GigE Vision camera can be mounted onto any suitable microscope to provide a secondary video input to the VSC[®] 8000.

The camera connects directly to the VSC[®] PC via a high speed GigE PCI-E interface card (supplied) capable of transmitting double the volume of image data than USB2.0 or FireWire interfaces.



PVM Portable Video Microscope

VSC/PVM

This compact 3x optical zoom video microscope with integrated LED illumination, provides a premium, portable solution to the examination of taggants.

Supplied with a 5MP USB CMOS camera and stand-alone software, the PVM's clear base allows easy positioning on documents and for the use of VSC[®] 8000 oblique lighting.

3: 1

Zoom

249x

Magnification*

Vis LED

Illumination



DVM Digital Video Microscope

V6/DVM/3

Comprising a high specification microscope, 14 Bit CCD colour Firewire camera, two high intensity LED light sources (White and UV), darkfield ringlight and a transmitted white light XY stage, the DVM can be fully integrated with a VSC[®] system or used as a PC driven stand alone instrument complete with dedicated software.

10: 1

Zoom

10200x

Magnification*

UV-Vis LED

Illumination



Leica M205 C

VSC/LEICA/M205C/SYS

The world's first stereomicroscope to offer 20.5:1 zoom, provides exceptional image detail and impressive 3D depth perception. Its rigid, sturdy mechanical structure, and integrated illumination, make the M205 C an ideal high performance QDE microscope.

20.5: 1

Zoom

2290x

Magnification*

LED 5000

Illumination



Leica M80

VSC/LEICA/M80/SYS

Engineered for precision industrial applications, the M80 microscope allows the examiner to observe large areas of a document while retaining a high-contrast image with no loss of clarity or sharpness.

8: 1

Zoom

718x

Magnification*

LED 3000

Illumination



Leica S9 D

VSC/LEICA/S9D/SYS

A compact microscope that features outstanding optical quality with FusionOptics technology, a unique system that combines larger depth of field with maximum resolution to deliver a sharp and highly detailed image.

9: 1

Zoom

787x

Magnification*

LED 2500

Illumination



NIKON SMZ25

VSC/NIKON/SMZ25/SYS

Incorporating motorised focus and zoom, with an intelligent nosepiece, the SMZ25 provides extremely high resolution at all levels of magnification.

All microscope functions, including motorized zoom, may be carried out via a remote controller with LCD display.

25: 1

Zoom

2290x

Magnification*

Gooseneck

Illumination



NIKON SMZ18

VSC/NIKON/SMZ18/SYS

A manual research stereo microscope that combines macro and micro imaging in a single instrument.

The SMZ18 offers easy to replicate examination settings using defined magnification levels on the zoom control.

18: 1

Zoom

2010x

Magnification*

Gooseneck

Illumination



NIKON SMZ 745T

VSC/NIKON/745T/SYS

This practical and economical microscope is equipped with a optical path selection lever to quickly and simply switch between 100% eyepieces and 100% camera, providing bright high contrast images at any magnification.

7.5: 1

Zoom

431x

Magnification*

Gooseneck

Illumination

VSC[®] 8000 E-PASSPORT READERS

A choice of readers capable of detecting and decoding biometric passport data.

VSC[®]-QC1 Quick Check

VSCQC1

Designed for the rapid verification of passports and ID cards, the VSC[®]-QC1 may be integrated with the VSC8000 to provide a highly advanced solution to the detection and decoding E-Passport data.

Having placed a passport or ID card face down on the document plate the VSC[®]-QC1 performs a customisable autoscan routine capturing images under UV, Visible and Infrared illumination sources while at the same time detecting and decoding Machine Readable Zone (MRZ), Invisible Personal Information (IPI), 1D and 2D barcodes, and e-chip data.

- Perform 12 authenticity checks in a matter of seconds
- 500 DPI high resolution imaging
- 7 sources of UV-Vis-IR illumination



E-Reader 1/A

VSC/EREADER1/A

High performance flatbed MRTD reader with contact/contactless capability.

E-Reader 1/A automatically detects when a machine readable document has been inserted and provides highly accurate and instant data capture and decoding.

- OCR, MRZ, RFID & CARD reader
- 235 DPI resolution imaging
- IR 880nm LED illumination



E-Reader 2

VSC/EREADER2

Advanced E-Reader designed to read and authenticate multiple document types.

Designed for fast, accurate document processing, E-Reader 2 includes a unique anti-glare technology to prevent interference from document laminate reflections.

- OCR data capture software
- 400 DPI high resolution imaging
- UV-Vis-IR illumination



E-Reader 3

VSC/EREADER3

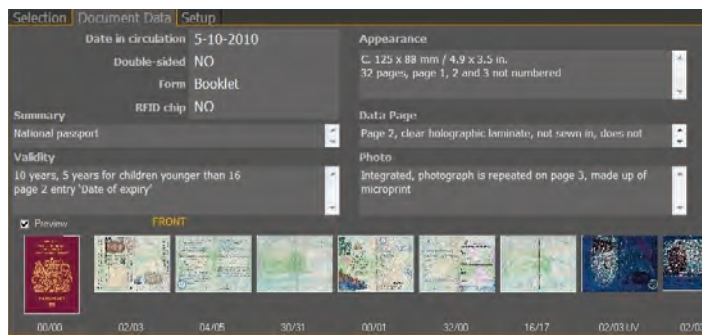
Compact RFID and CARD reader with CCID interface.

A basic device, E-Reader 3 uses chip card interface protocol to retrieve data and present it to the VSC[®] Suite software.

- Supports high and low frequency card technologies.
- USB connection to PC

VSC[®] 8000 DOCUMENT DATABASES

Two optional reference databases showing the security features found on travel documents and banknotes.



Security Documents Database

This continually updated reference database provides access to images and information relating to passports, ID cards, residence permits, visas and driving licences from almost 200 countries.

Database Archive Collection

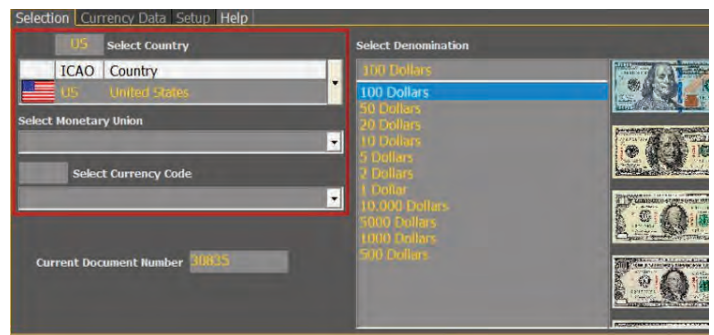
VSC/DB/ARCHIVE

- Contains information on the security features of over 1,500 security documents
- Information is provided in the form of descriptions and full colour images of over 10,000 pages of security documents

Database Annual Subscription

VSC/DB/KDATA

- Updated 6 times per year via DVD or internet download
- Includes descriptions and images of new documents and security features issued during year of subscription.



Banknotes Database

Providing access to thousands of banknotes from nearly 200 countries with clear descriptions and images of notes and their security features, this database enables the user to examine banknotes with confidence.

Database Archive Collection

VSC/DB/ARCHIVE/C

- Contains images of more than 4,750 banknotes issued in 12 monetary regions
- Information is provided in the form of descriptions and full colour images

Database Annual Subscription

VSC/DB/KDATA/C

- Updated 6 times per year via DVD or internet download
- Includes descriptions and images of new banknotes issued during year of subscription.

VSC[®] 8000 SYSTEM CALIBRATION

Calibrate the VSC[®]8000 spectrometer using NIST traceable standards.

Traceability in document examination

Forensic document examiners are increasingly being called upon to validate their results and to provide definitive assurances that the instruments they use are accurate.

The VSC[®]8000 Calibration Kit contains reference materials that have been calibrated to National Institute of Standards and Technology (NIST) standards. Using these standards as a reference against which to calibrate the VSC[®]8000, we can guarantee the accuracy of the instrument and the examinations it performs.



VSC[®] 8000 Calibration Tool

V8/CALIB

The VSC[®] 8000 Calibration Tool contains the two NIST traceable standards required to calibrate the systems integral spectrometer to ensure that any measurements obtained by the instrument are accurate and repeatable.

The tool is supplied in a heavy-weight machined aluminium case and also includes a UV activated test wedge designed to provide visible confirmation that the systems UV light sources are functioning correctly.

Having placed the Calibration Tool within the VSC8000, calibration is performed via the system software.

In addition to system calibration, reliable system performance can be verified using simple automated diagnostics to check the status of motors, light sources and filters.

Calibrated didymium oxide glass filter

- For the calibration of the VSC[®]8000 spectrometer wavelength scale.
- Supplied with certificate of calibration

Calibrated fluorilon white reference tile

- Matted white tile for the accurate measurement of spectrometer reflectance.
- Supplied with certificate of calibration

UV test wedge

- Provides a visible response to the presence of UV 365nm, 312nm, and 254nm radiation.

VSC[®] 8000 EXAMINATION ACCESSORIES

A range of accessories designed to assist with the examination of documents and their security features.



Quartz Glass Plate

VSC/QPLATE

200 X 200mm quartz glass plate to hold documents flat during examination. Allows UV illumination to pass providing transmittance greater than 80% from 250-1100nm.



Document Tilt Plate

VSC/TILT

For the examination of documents containing OVD's, holograms and moiré pattern encoded security features.



Magnetic Ink Profiler

V8/MSFI/2

USB connected device for the high speed, reliable visualisation of soft and hard magnetic inks and threads used in banknotes, credit cards, tickets, ID cards and other security documents.



Letterscreen ++ Decoder

V8/LS/PLUS

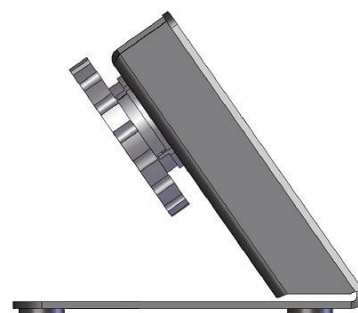
Software to display data encoded using a unique microtext wave algorithm based on personal data in MRZ. Supplied under licence from Jura, Hungary.



Invisible Information Decoders

V8/IPI

Software to display embedded IPI and ICI on passports and ID cards. Uses Scrambled Indicia[®] technology supplied under licence from Graphic Security System Corp.



UV Polarised Light Viewer

VSC/POLARISAFE

Standalone device for the visualisation of Polarisafe[®] security ink (specifically to view Swiss passports).



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