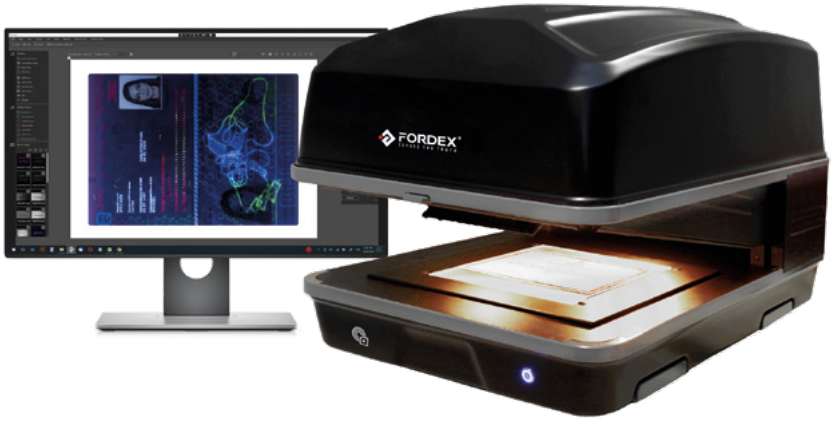
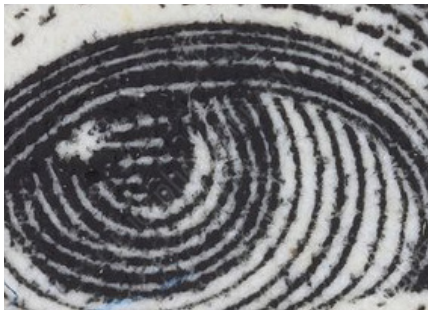
FORDEX®
EXPOSE THE TRUTH

PSC 360 | NEXT GENERATION DOCUMENT EXAMINATION SYSTEM

FORDEX — Next Generation Document Examination System — offers opportunity to examine all kinds of documents by bringing together high resolution camera modules and different light sources in various wavelengths and adjustable angles.



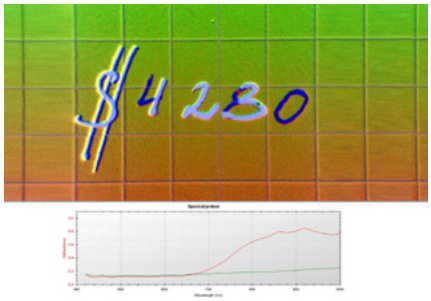


150x OPTICAL MAGNIFICATION

Use up 150x optical magnification on 32" monitor (up to 240x magnification with modifier lens) to detect any secruity features including microprint and nano printings.

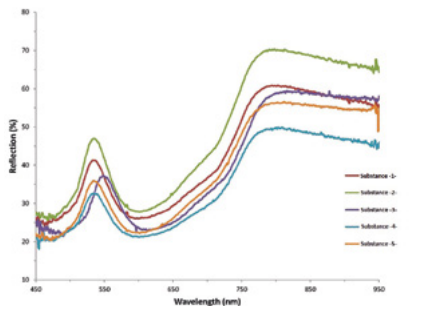
ENHANCED IMAGING

Built-in high resolution 15 MP camera module and lens system, captures 135 MP images with finest details possible.



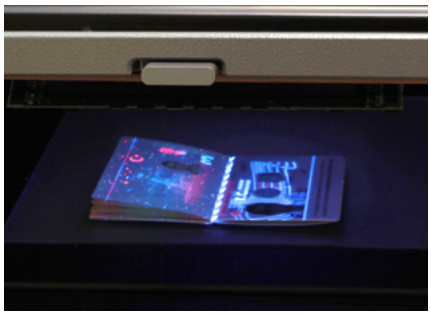
HYPRERSPECTRAL ANALYSIS

Hyperspectral analysis software detects alterations and counterfeits on the document by artificial coloring method.



SPECTRAL ANALYSIS

Real-time graphic display of Absorbance, Reflectance and Fluorescence values using a high quality direct spectrometer without any optical distortions.



ADJUSTABLE LIGHT SOURCES

Lighting from different angles by automatically and remotely positioning the examined document thanks to its mobile subsystems and software.

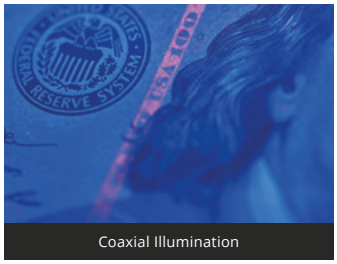
INCREASED FIELD OF VIEW

Increased field of view in a single image frame (230x170mm), thanks to the motorised stage and the specially developed lens system.

Enhanced Features

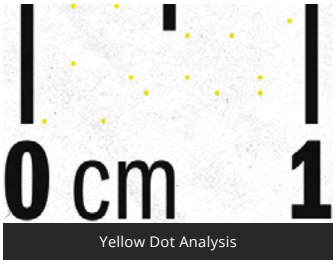
FORDEX can read e-passport chips with enhanced security features using the built-in RFID module. System can automatically decode passport barcodes, analyze and reveal latent images, and analyze MRZ data. FORDEX can regularly review the following data by regularly updated security applications;

- IPI (Invisible Personal Information)
- ICAO coded data
- E-passport biometric data
- Taggant
- 1D and 2D barcodes
- LetterScreen data
- Security feautres
- Micro and nano printings
- Yellow dot analysis
- Image comparison and conversion

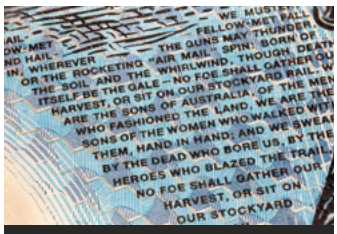

Coaxial Illumination

OVD - KINEGRAM


Anti-Stroke Analysis



Yellow Dot Analysis


Micro Printing

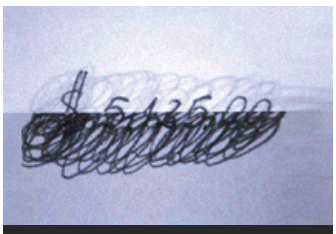
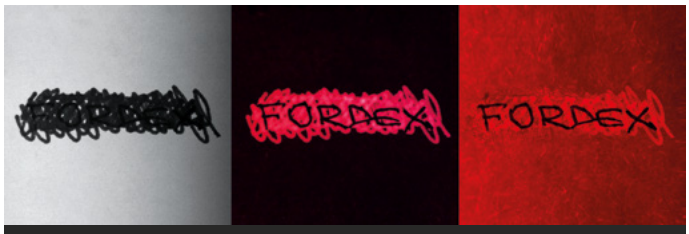


Image Comparison & Conversion



Infrared & Fluorescence Analysis

Multi-Spectral Illumination

By using UV, visible wavelength lights and infrared light sources in different combinations and directions, security elements that cannot be seen under normal conditions become visible. For this purpose, the following reviews can be done;

- UV activated features
- OVD-Kinegram and holograms
- Anti-Stokes features
- Retro-reflective features
- Phosphorescent analysis
- Watermarks
- Groove
- Hidden images
- Integrated image review
- Stamps and embossing
- Hidden masked writings

Detecting Alterations & Counterfeits

By using ultraviolet, visible region and infrared illumination sources in different combinations and angles, FORDEX enables detection of any chemical traces, alteration and counterfeit evidence on the document.

Hyperspectral and spectral analysis of the multi-spectral illumination feature can be used together for examination of document, papers, inks and stamps.

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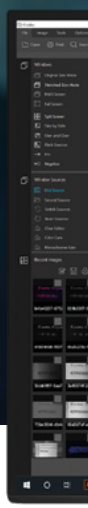
Document Examination

- ✓ Passport & Identity Cards
- ✓ Valuable Papers & Documents
- ✓ Check-Bill-Banknote



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TÜBİTAK BİLGEM

This product is developed with
TÜBİTAK BİLGEM Know-How Package