

TECHNICAL SPECIFICATIONS

POWER

Switchable Power Supply:
115 Volt 60 Hz +/- 10% or 230V 50 Hz +/-10%

Max consumption: 400 Watt

DIMENSIONS

Approximate Weight: 87 kg

Approximate Dimensions: 959 mm x 607 mm x 588mm (W x D x H)

IMAGING

Magnification: Up to 335x on 30" Monitor

Max. Field of View: 224 mm x 168 mm

Min. Field of View: 3.0 mm x 2.2mm

Camera: USB 3.1 connection, Ultra IR sensitive CMOS

LIGHTNING

Visible / IR lighting:
Incident/Flood, Top Side , Side Left/Right, LED Ringlight Array,
Retro/Coaxial

UV Lighting: UVA 365 nm, UVB 313 nm, UVC 254 nm

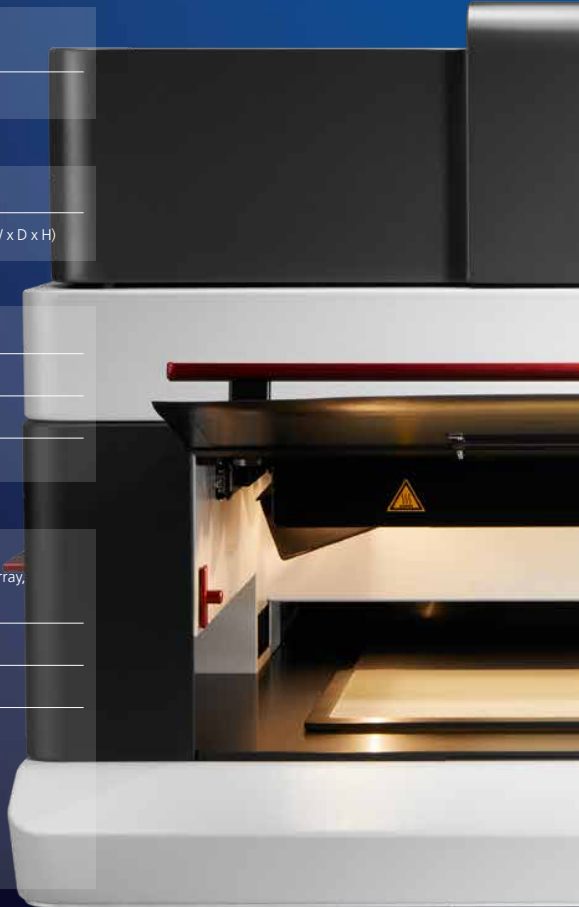
Transmitted light: Visible/IR, Spotlight

IR Filters:

113 emission filter combinations

15 High pass filters: 380, 420, 435, 455, 475, 495, 515, 530,
550, 570, 590, 610, 630, 645, 665 nm

11 Low pass filters: 420, 450, 490, 530, 570, 620, 650, 680,
720, 730 and 800 nm.



PROJECTINA

SPECTRA
PRO

THE ULTIMATE DOCUMENT EXAMINATION SYSTEM



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STATE-OF-THE-ART SPECTRAL ANALYSIS

FORENSIC LABS • SECURITY PRINTERS • IMMIGRATION AUTHORITIES



**FORENSIC
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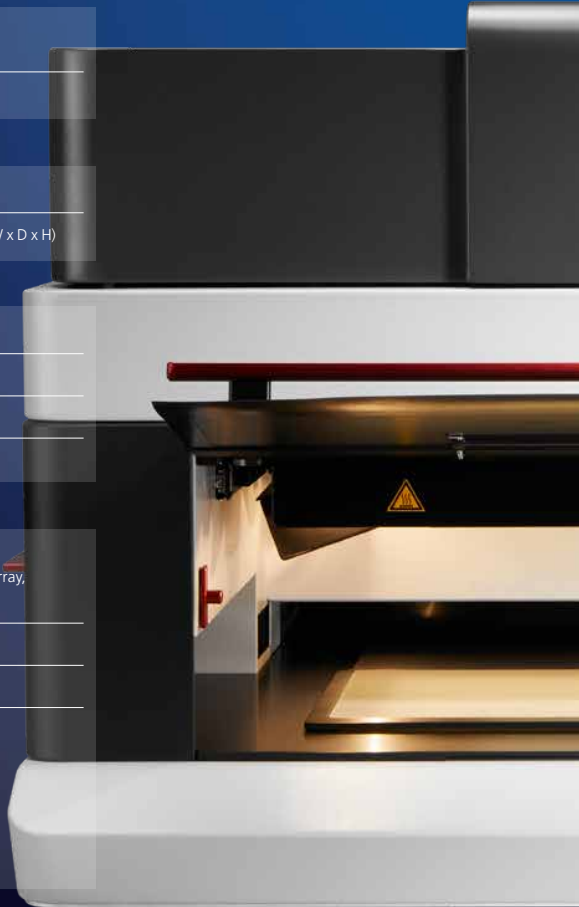
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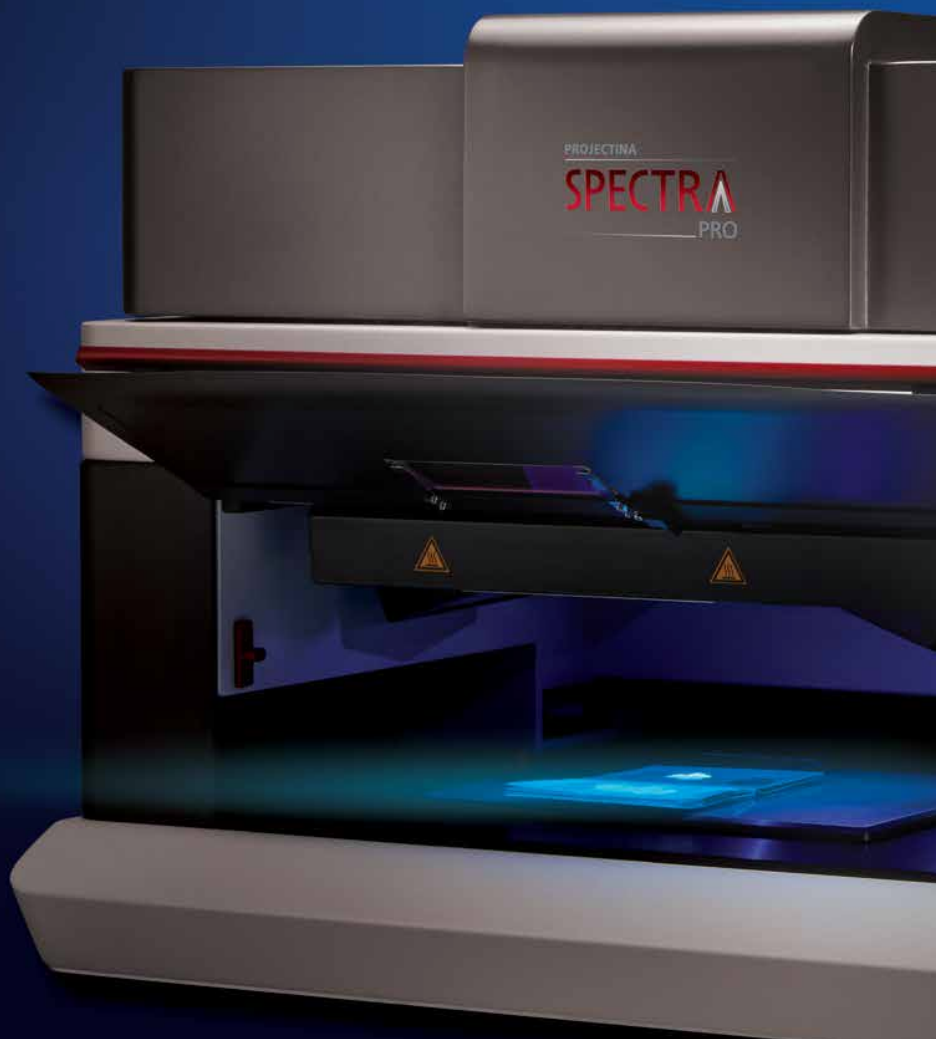
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WHEN DETAILS MATTER



PROJECTINA **SPECTRA PRO**

> The Ultimate Document Examination System



In the world of document examination, it is all about attention to the smallest of details.

With its **superior optics**, **exceptional imaging** and **advanced technology**, **Projectina Spectra Pro** is the **definitive solution** for examining even the **subtlest forms** of tampering or **most sophisticated counterfeits**.

Spectra Pro can also be equipped with a **wide range of accessories and modules** in order to suit any document examination **application**.



EXCEPTIONAL IMAGING

Spectra Pro combines unparalleled optical technology and magnification to provide unprecedented image quality and viewing options.

EXCEPTIONAL IMAGES AT YOUR FINGERTIPS

Spectra Pro's state-of-the-art digital camera provides clear, high resolution imaging throughout the full spectral range. The camera's extreme sensitivity in wavelengths between 350 and 1100 nm means infrared images are crisper and regions of interest are sharper and easier to examine.

EXAMINE MICROTEXT EASILY

Spectra Pro's industry-leading optical magnification enhances the ability to view microtext, fibers and other microscopic security features.

SEE MORE, SAVE TIME

A broader field of view makes it easier to view multiple or larger regions of interest, and also means less time has to be spent repositioning documents.

ENJOY A BETTER USER EXPERIENCE

A fast USB 3 connection combined with the latest software provides zero lag and instantaneous image response through lighting changes and document positioning adjustments.



IR IMAGING



HIGH MAGNIFICATION IMAGES

EFFICIENT WORKFLOW

Forensic document examination is precise, meticulous work. **Spectra Pro** has been expressly designed to facilitate ease-of-use and increase productivity while maintaining the most exacting standards of quality.

The end result? A better user experience that lets you focus where it matters most.

INCREASE PRODUCTIVITY

The Spectra Pro can be programmed to create any number of inspection sequences so predefined processes can be automated, saving time when performing routine examinations.

STREAMLINE EXAMINATION

Spectra Pro's newly designed, motorized X/Y Translation Stage, which also boasts a greater range of movement, makes it easier and faster to inspect multiple regions of interest. With its automated remote control, users will also spend less time manually repositioning documents and more time examining.

FOCUS ON THE DETAILS

A unique Spectral Focusing feature allows Spectra Pro to automatically refocus with greater speed and precision when changes are made to lighting and magnification.



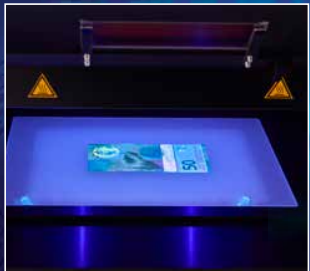
FULL-SPECTRUM LIGHTING

Spectra Pro's multiple light sources including cool-running LED's and extensive number of emission filters give examiners the ability to create the precise lighting conditions needed to examine any security feature—no matter how advanced.

- › UV activated security features
- › OVDs, holograms and kinegrams
- › Anti-Stokes inks
- › Retro-reflective features
- › Optically variable inks
- › Phosphorescent inks
- › Watermarks
- › Laser images and engravings
- › Latent images
- › Birefringent features
- › Stamps and embossing
- › Fibers and other paper security features



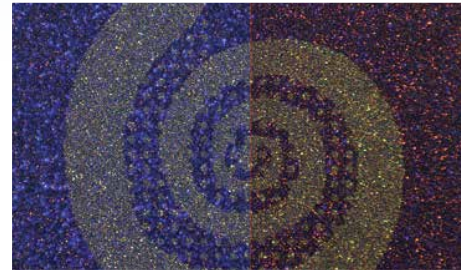
XXX



UV LIGHTNING



IN-DEPTH INSPECTION



SICPA OASIS



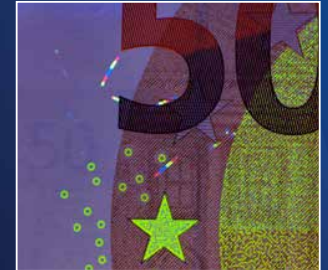
ANTI-STOKES



PHOSPHORESCENCE



LED RINGLIGHT



UV FIBERS



IR LUMINESCENCE

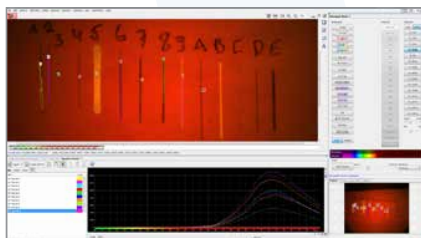


VERSATILE VIEWING. RAPID RESULTS.

Spectra Pro provides examiners with the full range of features needed for the comprehensive inspection, authentication, and quality assurance of passports, ID cards, security and legal documents, banknotes and cheques.

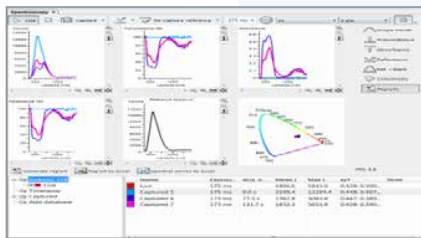
FORENSIC LABORATORIES

Spectra Pro's high-precision Spectroscopy and Hyper Spectral Imaging modules help examiners easily detect and record alterations, forgeries and counterfeit documents.



HYPER SPECTRAL IMAGING

Distinguish inks and highlight spectral differences across a user-defined spectrum with a continuous 400-1000 nm infrared bandpass filter and imaging system.



SPECTROSCOPY

Identify minute differences in inks and papers using spectral analysis that can assess precisely to 2.4 nm resolution, within a range of 400-1000 nm.

SECURITY PRINTERS

With continuously up to date software and modular design, Spectra Pro is ideal for measuring and verifying the demanding and varied quality standards needed for producing banknotes, passports, visas and other legal documents.

IMPLEMENT EFFICIENT, HIGH-PRECISION QUALITY CONTROL

Now with a greater range of motion, the XY Translation Stage allows users to create large, high-resolution images and automate examination sequences, saving enormous time and effort.

ACCESS WITH EASE

Thanks to Spectra Pro's easily removable side panels, there is no need to cut or alter large currency sheets or oversize materials to view regions of interest.

SEE MICRO-FEATURES CLEARLY

Optical magnification up to 75x plus additional digital zoom up to 335x (30" monitor) allows for inspection of microtext and other microscopic security features.

IMMIGRATION AUTHORITIES

Spectra Pro provides the third line of border control and immigration authorities with all the features needed for the thorough examination, authentication, and detection of false travel documents.

REVEAL INVISIBLE INFORMATION

Spectra Pro comes equipped with specially designed software modules, to decode proprietary security features such as IPI (Invisible Personal Information), Letterscreen++ and ICI (Invisible Carrier Screen) encoded on passports and ID cards.

ADD-ONS

The PAGScan passport scanner employs RFID, smart card and magnetic stripe readers to scan passports, visas, IDs and driver's license, along with a software module that will decode MRZ (Machine Readable Zone) information and barcodes.

