Regula



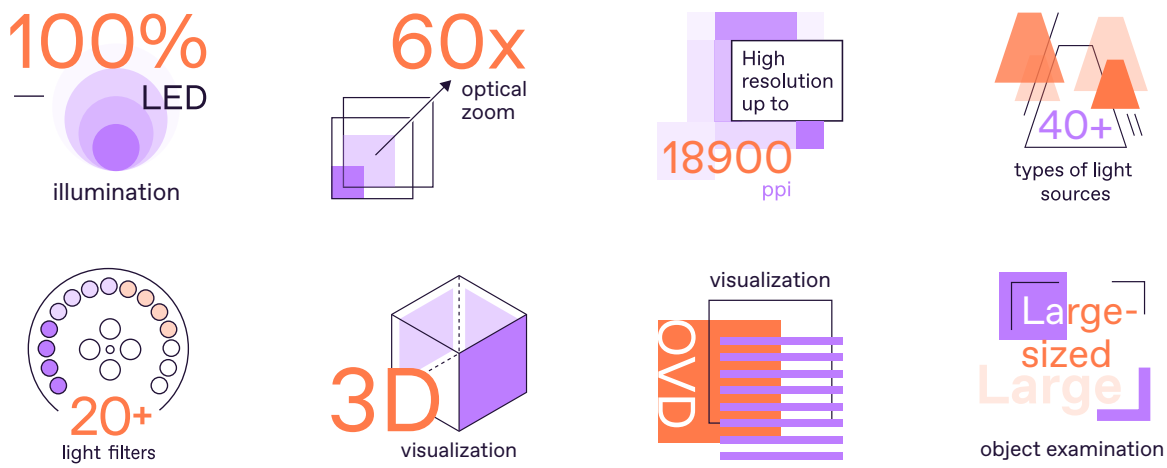
Video Spectral Comparator
Regula 4306M

The perfect balance of functionality, compactness, and cost-efficiency

One Device, Endless Examinations – Perfect for Any Lab

The Regula 4306M is a modern video spectral comparator that offers affordable, high-quality solutions for forensic examination. Perfect for police, border control, and forensic labs of any size, it combines advanced technology with easy operation to deliver fast and accurate results.
By focusing on efficiency, innovation, and cost-saving, the Regula 4306M is the top choice for experts worldwide.

Distinctive Features of the Regula 4306M



What Makes the Regula 4306M the Perfect Choice for Your Laboratory

Custom high-resolution camera

The device features an 8 MP camera for exceptional clarity, captures images at up to 18,900 ppi, and offers 60x optical zoom for detailed analysis of microscopic features.

Advanced illumination

The device includes a newly developed multi-functional coaxial light that visualizes embossing, retroreflective security features, and polycarbonate reliefs, along with an enhanced diffused white light source that enables the visualization of DID security elements and OVD effects.

Unmatched anti-Stokes visualization

The Regula 4306M offers advanced anti-Stokes imaging capabilities with long exposure, enabling the detection of luminescence details that were previously invisible to standard methods.

Extensive light and filter options

Comparator features over 40 LED-based light sources and 20 filters, ensuring versatility in examination tasks, while the LED technology eliminates maintenance needs, enhancing both durability and usability.

3D visualization

A cutting-edge technique used to examine the surface relief and intersecting lines of documents. By creating a detailed three-dimensional model, this method allows experts to study the texture, depth, and structural features of surfaces with high precision.

Hyperspectral imaging

The 2D spectral decomposition with a step of 1 nm enables forensic experts to detect document alterations, differentiate ink types, recover faded text, and verify security features.

Adjustable oblique lights

Height-adjustable oblique light sources ease the process of examination of document relief and security features.

Large objects examination

The removable side flaps and object stage accommodate oversized items, expanding the field of view to 296×222 mm. This design allows you to examine large objects, such as thick financial accounting books, artworks, and other bulky items, without compromising on precision or image quality.

Highlighted Software Features



Native integration with Information Reference System

Automated document verification in seconds

Biometric facial identification

Scenarios for performing repetitive tasks

Multilingual user-friendly interface

HDR for excellent imaging

Super resolution images

Cross-platform support (Windows, Linux and macOS)

Multifocus for shaped objects

Examination sample

Printing technique detection



Seychelles Rupee 100, 2016. Incident white, 1x



Incident white, 3x. Intaglio



Incident white, 7x. Intaglio



Incident white, 10x. Intaglio



Incident white, 20x. Intaglio



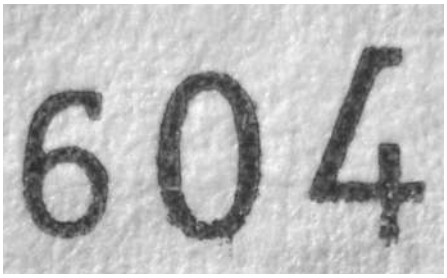
Oblique white, 20x. Intaglio



Incident white, 30x. Letterpress



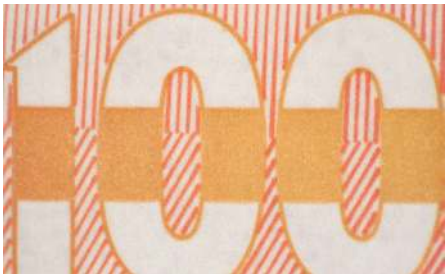
Oblique white, 30x. Letterpress



Oblique infrared 850 nm, 30x. Letterpress



Incident white, 20x. Offset

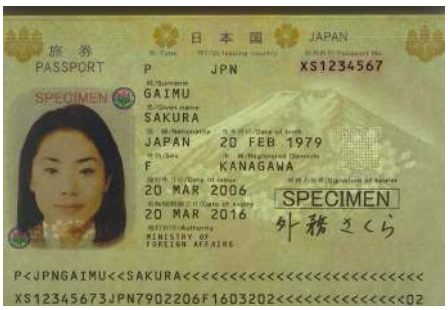


Incident white, 20x. Offset

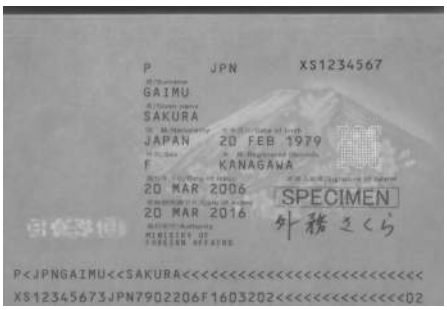
Substrate security feature examinations



Japan. Passport issued in 2006. Incident white, 1.7x



Transmitted white, 1.7x. Watermark



Transmitted infrared 860 nm, 1.7x. Watermark



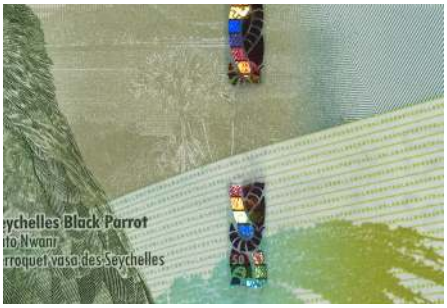
Canada. Passport issued in 2013.
Incident white, 1.7x



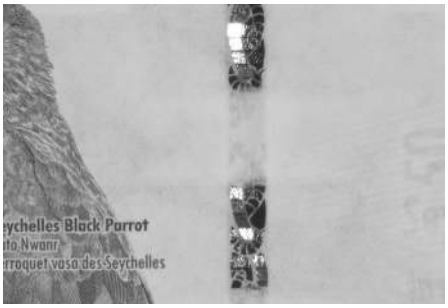
Ultraviolet 365 nm, 1.7x. Security fibers



Seychelles Rupee 50, 2016.
Incident white, 1x



Incident white, 5x. Security thread



Incident infrared 850 nm, 5x.
Security thread



Ultraviolet 365 nm, 5x. Security thread



Transmitted white, 5x. Security thread



Transmitted infrared 860 nm, 5x.
Security thread



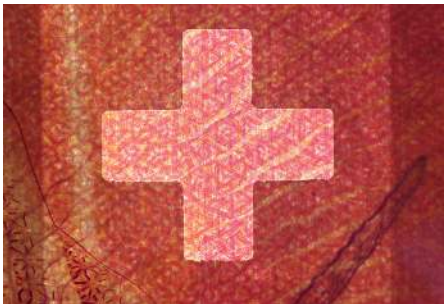
Transmitted ultraviolet 365 nm, 5x.
Security thread



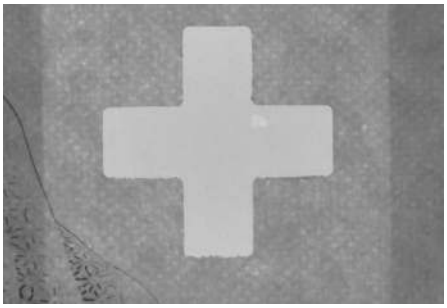
Swiss Franc 20, 2016. Incident white, 1x



Incident white, 10x. Security window



Transmitted white, 10x. Security window



Transmitted infrared 860 nm, 10x.
Security window



Transmitted ultraviolet 365 nm, 10x.
Security window

Comparison of the optical properties of inks



Japan. Passport issued in 2006.
Incident white, 1.6x



Incident white, 15x



High-intensity infrared 950 nm, 15x.
Anti-Stokes effect



European Union. Passport issued in
2015. Incident white, 1.6x



Incident white, 3x



Ultraviolet 365 nm, 3x. UV-fluorescence



Ultraviolet 313 nm, 3x. UV-fluorescence



Ultraviolet 254 nm, 3x. UV-fluorescence



East Caribbean Dollar 2, 2023,
Commemorative. Incident white, 1x



High-intensity cyan 505 nm, 1x.
IR luminescence



Dominican Peso 1000, 2014-2016.
Incident white, 1x



Incident infrared 950 nm, 1x.
IR metameric ink

OVD visualization



Canadian Dollar 10, 2018.
Incident white, 1x



Incident white, 3.3x



White for OVD visualization, 3.3x.
Generalized image



Yuan Renminbi 20, 2025, Commemorative. Incident white, 1x



Incident white, 3.2x



White for OVD visualization, 3.2x. Generalized image

Stroke sequence determination



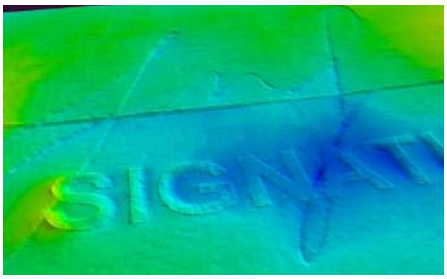
Signature. Incident white, 4.5x



Original mode



Surface mode



Height palette mode



Height palette mode with inversion

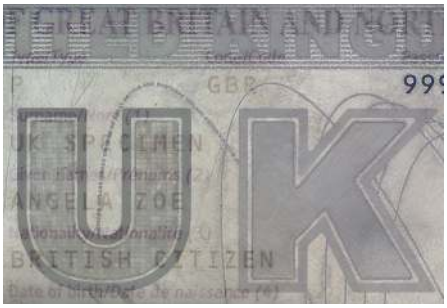
Visualization of embossing and polycarbonate reliefs



United Kingdom of Great Britain and Northern Ireland. Passport issued in 2020. Incident white, 1.6x



Incident white, 4.5x



Diffused multi-position coaxial, 4.5x. Blind embossing

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