Regula
forensic science systems

One device for thousands
of forensic tasks



VIDEO SPECTRAL COMPARATOR

REGULA 4306

KEY FEATURES

Resolution up to 19 800 ppi

The device camera offers the highest-resolution capture that results in stunning image detail

LED light sources only

Stable lighting during the entire service life. Low heat levels, energy efficiency – long lifespan

Hyperspectral imaging module

The 2D spectral decomposition with a step of 1 nm

3D visualization

Examination of surface relief and intersecting lines, detection of printing methods

40+ light sources, 18 filters

A whole collection of light sources in the range 254-1020 nm for document examination. In particular, a total of 4095 combinations of high-intensity light sources for IR luminescence

Large-size document examination

Obtaining the whole image of an A4 page. A removable object stage for thick document examination

Reading & recognition

Reading data from the MRZ, RFID chips and barcodes. IPI visualization



SPECIFICATIONS

Light sources

- White
- High-intensity incident – 12 light sources (395-735 nm)
- Infrared – 5 light sources (700-1020 nm)
- Ultraviolet – 4 light sources (254-400 nm)
- Transmitted – 8 light sources (365-860 nm)
- Oblique (white and infrared)
- OVD – 47 light sources (horizontal and vertical)
- Coaxial
- Polarized white
- High-intensity spot

General parameters

- Dimensions – 400×380×370 mm
- Weight – 30 kg
- Supply voltage – 110-240 V; 50-60 Hz

Delivery set

- Spectral luminescent magnifier Regula 4147
- Regula Forensic Studio software
- All-in-one computer – optional

WHO WILL BENEFIT FROM USING IT

Forensic laboratories

Border control and immigration services

Customs

Banks and financial agencies

Independent forensic experts

CORE CAPABILITIES

Document examination in different light sources and in different operation modes



Incident white — 1.4x



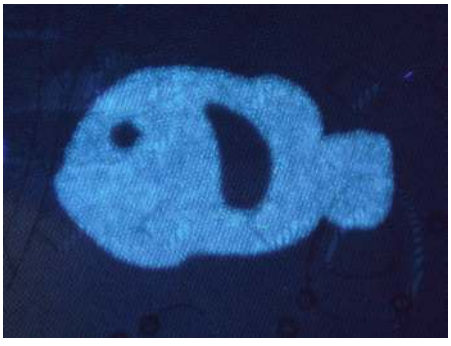
Incident white — 10x



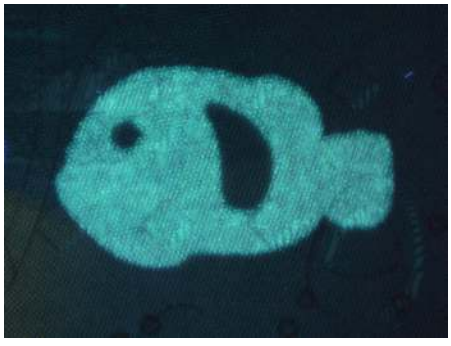
Incident white — 20x



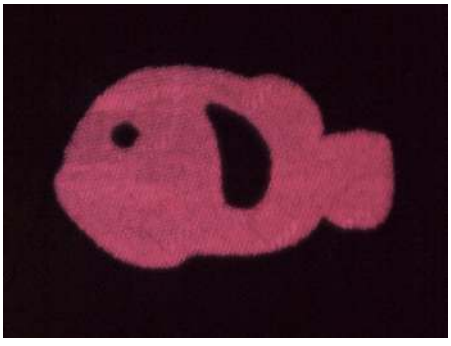
Incident white — 30x



Ultraviolet 365 nm — 10x



Ultraviolet 313 nm — 10x



Ultraviolet 254 nm — 10x



Incident white — 2.4x



Ultraviolet 365 nm — 2.4x



Incident infrared 700 nm — 2.4x



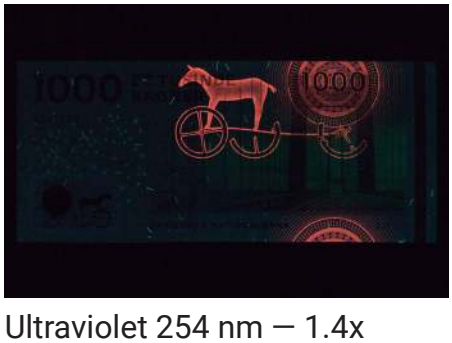
Incident infrared 850 nm — 2.4x



Red-orange 615 nm — 2.4x



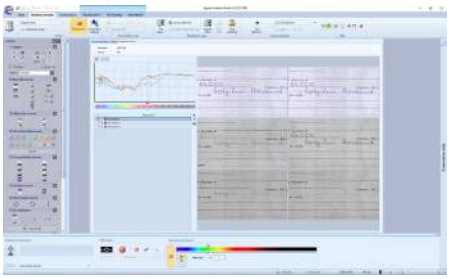
Incident white — 1.4x



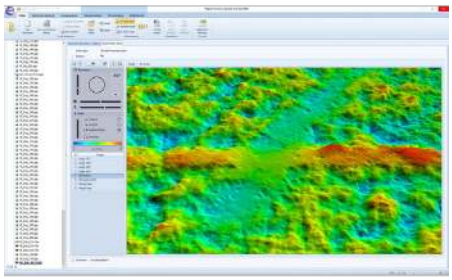
Ultraviolet 254 nm — 1.4x



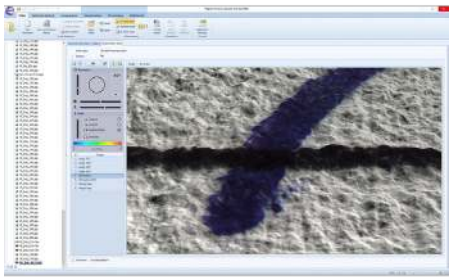
Incident infrared 850 nm — 1.4x



Hyperspectral imaging module



3D modeling of the selected area





Contact us

www.regulaforensics.com