**Products**

**Optoesecurity**

**Family of False Document Analyzers**

**ADF 10**

High performance with minimum costs

The device is designed for fast authentication of a large variety of documents It examines: watermarks, filigree, security lines, fluorescent security elements, colorants, the quality of the paper, the laminated security elements etc. An adjustable window will protect the human eye from ultraviolet radiation while allowing the document to be easily examined. The illumination with different light sources allows the detection of any physical or chemical damage or modification to the documents

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Technical specifications

Power supply : 220 V/50 Hz

Accessories : magnifier 4x

Dimensions: 300 x 250 x 220 mm

Weight : 4500 g

**VDF 100**

**Destination**:

Video comparator for documents analysis, which are suspected to be forgery (visas and banknote, etc).

The inspection is performed in normal light, UV and IR in order to discover any type of forgeries, counterfeits and alterations, by visual examination and electronic processing of the images.

The equipment can display the ink pigment variations on absorption and reflectance on different spectral bands, from 254 nm to 1000 nm.

The VDF100 allows intercomparation from image databases and allows network dual control (can be remotely operated over the dedicated internet connection)

**Technical data**:

- CCD Camera, dual color/monochrome, sensitive to 100 nm, with automatic and manual control of the zoom, iris and focus- Motorized zoom lens x25 and x12 digital which can realize a magnification up to 300

- Module for light, camera and filter manage the functions of apparatus: light, camera command, zoom command, turret filter commands, ensure the communication with the computer.

Resolution: -        For minimum magnification: 1,4 lp/mm

                 -        For maximum magnification: 32 lp/mm

Field of view:-        For minimum magnification: 120x90 mm

                  -        For maximum magnification: 5x4 mm

ZOOM lens:-        variable focal zoom 2, 4 - 60 MM

**ADF 50**

**Destination**:

The ADF 50 analyzer is remarkably useful when the speed and efficiency of the checking are of first order

The device is designed for visual examination and digital processing of the document's images, by displaying the absorption, reflection and fluorescence variations of the pigments (coloring agents), in different spectral bands, in incident transmitted and parallel light. It is robust, resistant to mechanic solicitations. It is light, of reduced dimensions, easy to handle. The maximal accuracy of the document analysis makes it efficient and its affordable cost (compared to similar equipment) makes it attractive.

**Technical data**:

Supply voltage: 220V/50 Hz

UV incident: 20 W, l = 365 nm

Transmitted UV: 10 W, l=365 nm

Incident fluorescent light: 10 W

Transmitted fluorescent light: 10 W

IR incident, filament: 2x20 W

Transmitted IR, incandescent lamp: 1 x 20 W

Tangential light, incandescent lamp: 20 W

Oblique left and right IR incandescent lamp: 2x20W

**MINIKIT TO VERIFY THE AUTHENTICITY OF DOCUMENTS**

DESTINATION:

The system can be used at customs checkpoints, airports, immigration or population situation services, criminology research, banks, exchange houses, lotteries, mail inspection services, authentication and expertise companies, numismatics, philately and in any other sectors where it is necessary to verify the authenticity of documents, this verification being a market necessity of this time.

 

COMPOSITION:

The Minikit for verifying the authenticity of documents consists of: video-mouse, microscope and fingerprint scanner. The video-mouse is destined to review the documents suspected to be false, forged, damaged, deleted or destroyed, by visual examination and/or through electronic processing of their images, by displaying the variations of absorption and reflection of pigments and inks, in different spectral bands from 375 nm to 940 nm. The product cover a wide range of applications for UV, IR lamps, IR absorption, light incidence, oblique and transmitted. The microscope is destined to enlarge areas of interest. The fingerprint scanner is used for collecting and compares fingerprints.

TECHNICAL CHARACTERISTICS:

- the field object: 12x 9 mm

- magnification: 10x for video-mouse and 100x for microscope

- incidence light (nm): 375, 390, 430, 470, 502, 525, 570, 620, 660, 880, 940

- the lateral light (nm): IR 880, 470, 502

- the working temperature: 10 ... + 450 C

- power supply: 220 V/50 Hz

- internal power supply with storage battery: 5 hours operating time