

DOCUBOX Digital



**Uncompromising document examination
and efficient working methods in high resolution.**

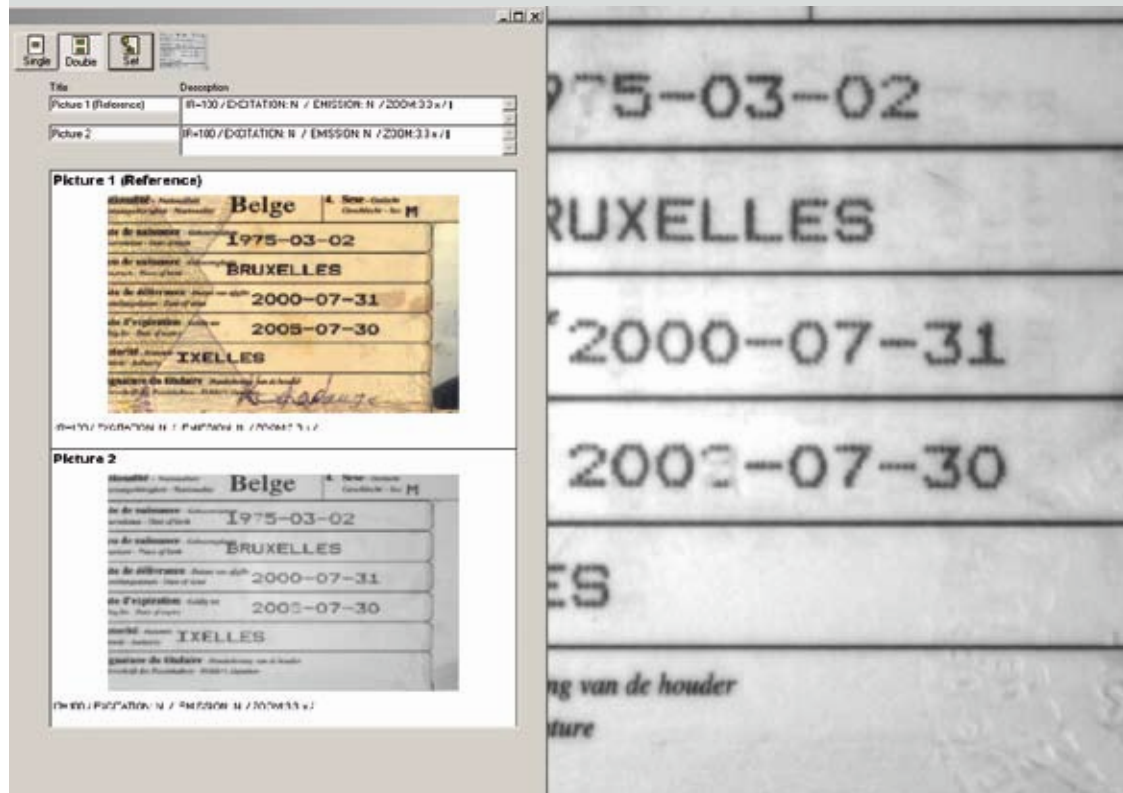


DOCUBOX Digital

the high resolution ensures certainty

With the DOCUBOX Digital Projectina offers a complete new concept allowing comprehensive and systematic examination of documents. Extensive examination methods combined with efficient handling and operator convenience fulfill the increasing demands in document examination. The optional built-in RFID Chip Reader permits rapid verification of the chip information.

Verification if all security elements are free from manipulations.



PIA-6 provides easy operation and high efficiency.

The operative software PIA-6 facilitates image analysis, documentation and archiving. Systematic comparison, measurements, image descriptions, image enhancement functions, image management, etc. help to focus on essential document examination. Investigation processes like IPI, OVD or MRZ zone are easy to control via personal computer or a network.



Extensive

DOCUBOX Digital offers comprehensive investigation possibilities in a compact design. DOCUBOX Digital incorporates 13 integrated light sources, motorised 20x Zoom optics and high resolution IR colour digital camera with Autofocus. A variety of monitors are available on request.

Intuitive

Control of the instrument is by PIA-6 directly on your personal computer. The menu-driven software is controlled in the operator's language. The pre-settings of various light sources and test sequences in PIA-6 make the operation even more simple.

Efficient

Up to 100 control settings per session and in addition an unlimited number of individual settings can be stored and recalled. This helps to standardise processes, to simplify the workflow and to shorten the investigation time. The PIA-6 software offers the possibility to connect other digital cameras, e.g. from a stereomicroscope working place.



■ IPI Invisible Personal Information



■ Laser engraving: Original and forgery with side light



■ Security marks under UV 365 nm



■ Recognition of the machine readable zone (MRZ)



■ Reading the chip information with the RFID chip reader



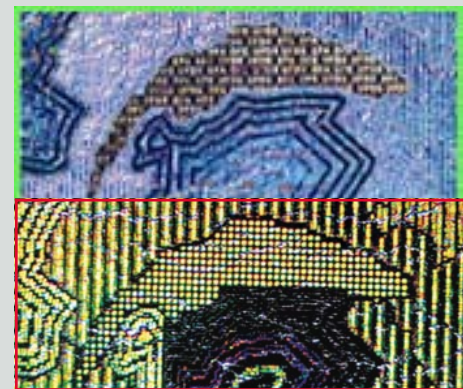
■ Verification of retroreflective security elements



■ Examination of embossed stamps with side light



■ Visualization of content forgeries under IR luminescence



■ Micro Print: above original, below forgery

Convincing in all details: The technical specification.

Basis System

Completely new designed system with integrated illumination system, new designated optics, operation via PC/remote control, storage of document control settings, easy to operate, no more failure caused by operator use.

Colour Digital Camera

Colour digital camera, 1,45 MPixel, spectral range 350 nm – 1000 nm, with auto chip integration and Autofocus

Optics

Motorised 20x zoom, Autofocus/manual focus mode, magnification up to 52x, max. field of view 130 x 97,5 mm

Monitor (selectable)

- 24" TFT/LCD monitor with PIA-6 software
- Notebook with FireWire or USB connection, with PIA-6 software

Light Sources

- UV-illumination 365 nm surface light, 2x 9 Watt
- UV-illumination 254 nm and 313 nm, each 2 x 6 Watt with integrated safety system, for security elements in short and mid-wave UV range
- UV illumination 365 nm transmitted light, 2x 9 Watt
- IR luminescence: with condenser system, 100 Watt
- Infrared / White light, 2x 50 Watt
- IR/Side Light, left and right, individually selectable, 2x 50 Watt
- Transmitted light 2x 50 Watt
- Transmitted spot light, 1x 50 Watt
- Retro light LED
- IR 980 Excitation module
- LED Ring light for OVD verification

New PIA-6 Software

with remote control and new graphics design for Image Comparison, Measuring and Archiving, ICAO code and IPI verification, network compatible, languages selectable

Excitation Filter

Excitation filter module with 9 wavebands: 400–490 nm, 400–530 nm, 455–570 nm, 495–620 nm, 530–650 nm, 570–680 nm, 630–740 nm, DOCU (380–570 nm) and Neutral

Camera Barrier Filter

Built-in filter module for rapid change of filters, filter selection via rotating knob, filter values: 570, 590, 610, 630, 645, 665, 695, 715, 735, 780, 830, 850, 1000 nm and IR cut off filter

Dimensions

Basic system (without monitor)
501 x 475 x 385 mm (wxdxh)

Weight

Basic system 28 kg

Mains connection

230 V/50 Hz oder 115 V/60 Hz

Power consumption

max. 250 Watt

Optional Accessories

PC control software with extended remote control function to operate the Docubox Digital directly via a network from your working place

RFID Chip Reader

built into Docubox Digital

PAGSCAN 1000

Independent E-Passport reader for recognition of the MRZ zone (ICAO code) and chips (RFID information) in travel documents.

Computer System QuadCore 2.66GHz, min. 2.0 GB RAM, FireWire (IEEE 1394a), operating system Windows XP Pro or Notebook with operating system Windows XP Pro and FireWire (IEEE 1394a)



■ PAGSCAN 1000



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