DOCUBOX HD

THE INTELLIGENT ANALYSIS SYSTEM WITH FULL-HD RESOLUTION FOR EFFICIENT DOCUMENT EXAMINATION

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EXPANDABLE AND COMPACT WORKSTATION

With the new DOCUBOX HD Projectina offers a new concept allowing comprehensive and systematic examination of documents in field application. Extensive examination methods combined with efficient handling and operator convenience fulfill the increasing demands for a quick and efficient investigation of travel documents, banknotes and security printed matter, not only in the field, but also in the laboratory.

Extensive document examination
DOCUBOX HD offers comprehensive investigation possibilities in a compact design. DOCUBOX HD incorporates 14 integrated light sources, motorized 20x zoom optics and IR sensitive colour camera with Autofocus. A variety of monitors are available on request.

Image Capture
Button for easy image capture on SD card.

Sequence mode
The DOCUBOX HD automatically selects different light sources and inspection times and provides the results within a very short time.
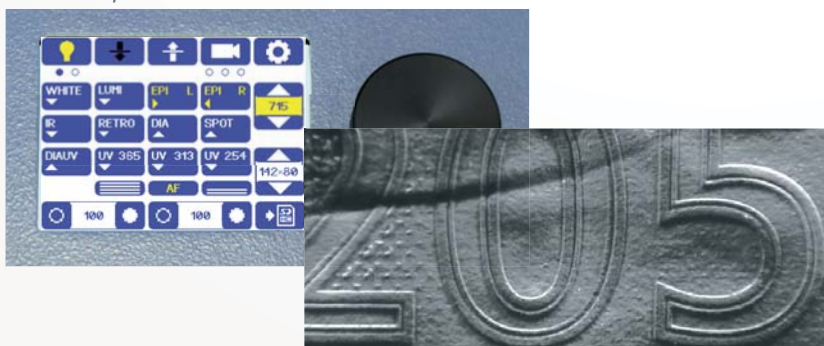
Intuitive operation
Control of the instrument is by an easy to use touch screen and jogger knob. The pre-settings of various light sources make the operation even more simple. The menu-driven PIA-7 software is controlled in the operator's language.

Highest efficiency
Up to 200 control settings can be stored and restored via internal memory and via USB stick. This helps to standardize processes, to simplify the workflow and to cut down the investigation time.

Touchscreen and jogger knob for simple and intuitive operation.

Nanoprint
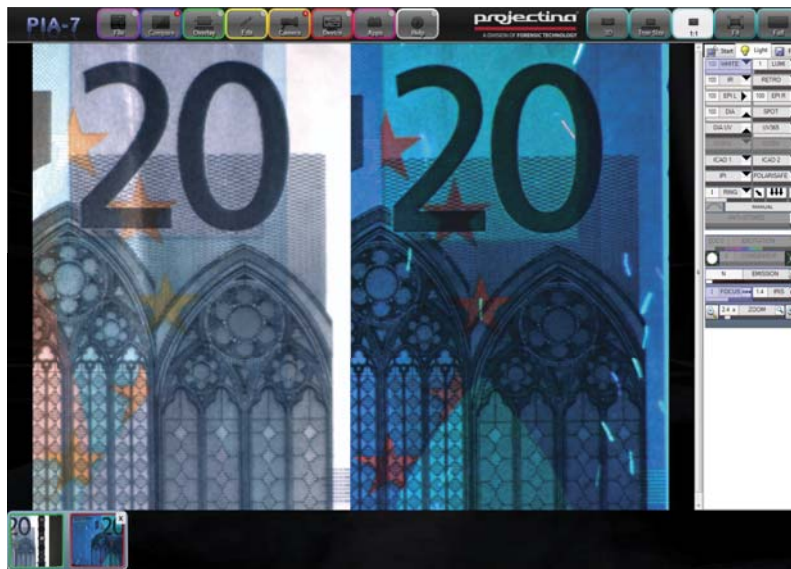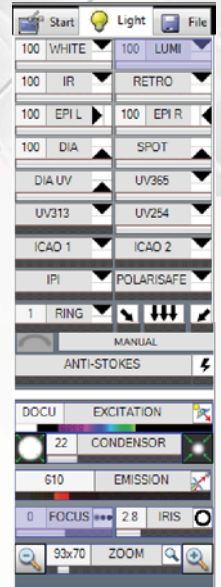
Intaglio printing in IR absorption

PIA-7 FORENSIC SOFTWARE
THE INTELLIGENT SOFTWARE FOR COMPARISON, DOCUMENTATION AND ARCHIVING

With the operative software PIA-7 and a Personal Computer or Notebook the Docubox HD is extended to a complete system for documentation, comparison and measuring. The PIA-7 has a remote function to control the Docubox HD via a Personal Computer or Notebook. The Remote Control function can be extended to operate the Docubox HD directly via a local network from your working place. Image data and instrument settings can be stored and retrieved together.

All functions of the Docubox HD are controlled via the intuitive software menu on your Personal Computer or Notebook. Via Remote Control up to 200 individually defined settings are selectable.

Horizontal or vertical split comparisons

Measuring of distances, angles, circle diameters and annotations of text and marks

IR 740 - 1100 nm illumination for «anti-Stokes inks» examination

Verification of retroreflective security elements

IPI (Invisible Personal Information)

Basis System

Completely new designed system with integrated illumination system, new designated optics, operation via touchscreen and jogger knob, storage of up to 200 document control settings via internal memory and via USB memory stick, different languages selectable, easy to operate, no more failure caused by operator use

Full-HD Colour Camera

Full-HD resolution IR colour camera 1920 x 1080, spectral range 350 nm – 1000 nm, with auto chip integration and Autofocus

Image capture

Image capture on SD card

SD card

2 x 4 GB SDHC card

Optics

Motorized 20x zoom, autofocus/manual focus mode, magnification up to 72x on 24" monitor, max. field of view 142 x 80 mm

Sequence mode

5 sequences with automatic selection of light sources and inspection time

DVI monitor output

USB 2.0 Live camera output

Light Sources

– UV-illumination 365 nm surface light, 2x 9 Watt
– UV-illumination 254 nm and 313 nm, each 2x 4 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
– Infrared 740 - 1100 nm illumination for «anti-Stokes inks» examination
– Multi-angle 16x LED light module for OVD verification
– Backlight illumination

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) 410 x 475 x 385 mm (WxDxH)

Weight

Basic system 26 kg

Mains connection

230 V/50 Hz or 115 V/60 Hz

Power consumption

max. 250 Watt

Optional Accessories

PIA-7 Forensic Software with remote control, ICAO and IPI functions, new graphics design for Image Comparison, Measuring and Archiving, ICAO code verification, network compatible

Monitor 24"with DVI connection

Polarisafe® Module
to visualize the Polarisafe® security feature (Landqart®)

Document Reader PAGScan

DC/AC-inverter for mobile use

Transit case with castors

Computer System INTEL Core i7 2600, 3.4 GHz, 8 GB RAM, HD 500 GB, 8x USB 2.0, 1 GB graphics card, operating system Windows7 pro 32/64 bit or Notebook with operating system Windows7 pro 32/64bit

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