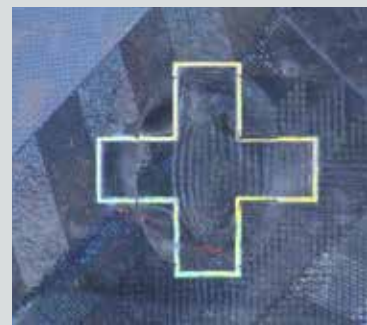


# DOCUBOX HD

The efficient document examination system in new design and with new high resolution Full-HD camera technology



LIGHT= EPI

FOV= 16x9

MAG=34 x

EMI= N

# DOCUBOX HD

The compact tool for efficient operation

With the 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 30x zoom optics and IR sensitive colour camera with Autofocus. A variety of monitors are available on request.

## Image Capture via USB

USB port for fast image storage

## 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.



DOCUBOX HD



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



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



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



■ Verification of retroreflective security elements



■ IPI (Invisible Personal Information)

# DOCUBOX HD

## Convincing in all details

### Basis System in new design

Completely new designed system with integrated illumination system, new designated optics, operation via touch-screen 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

New camera technology with full-HD high resolution IR colour camera 1920 x 1080, chip sensor 3,2 MP, spectral range 350 nm – 1100 nm, with auto chip integration and Autofocus

### Image capture via USB

USB Port for fast image storage

### Optics

Motorized 30x zoom, autofocus/manual focus mode, magnification up to 100x on 24" monitor, max. field of view 142 x 80 mm (16:9) and 130 x 98 mm (4:3)

### 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, Neutral (420-1000 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/50Hz or 115 V/60Hz

### Power consumption

Basic system with white light:  
max. 0.170 KW

Basic system with white light  
and monitor: max. 0.196 KW

### Environment temperature

+10° C to +50° C

### Humidity

40 - 80 %, non-condensing



### Standards

CE marking, ISO 9001-2015 certified, RoHS compliance. The product complies with the requirements of the RoHS Directive on the restriction of the use of hazardous substances.

### 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, various image formats like bmp, tiff, gif, bmp, pdf, png, jpeg, etc., network compatible

### Monitor 24" with DVI connection

### Document Reader PAGScan

Independent document reader for reading MRZ (ICAO code) and chip (RFID information) in travel documents.

### DC/AC-inverter for mobile use

### Transit case with castors

**Useful accessories** like OVI mirror, quartz glass plate, ball table for the investigation of OVDs, mirror module for „Sealys Edge“, and many more

**Computer System** INTEL Core i7, 16 GB RAM, HD 500 GB SSD, 8x USB 2.0/3.0, 2GB graphics card, operating system Windows 10, 64 bit or Notebook with operating system Windows 10, 64bit

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