

HARDWARE SPECIFICATIONS (book2net with motorized book cradle)



CCD LINE SENSOR

- 7500 Pixel
- High transfer rate
- Bi-directional scanning

LENS SYSTEM

- LINOS Rodagon-WA (60 mm)
- Good focal ratio
- Less illumination required

ILLUMINATION

- Power LED bar with only 13,2 watts supply energy
- Light source can be replaced by the operator
- Movable illumination strip
- 10000 operating hours
- Low temperature, no heat emission

LAYOUT SECTION

- 650 mm x 450 mm (> A2!)
- Enables scanning of documents up to 650 mm x 450 mm

MOTORIZED BOOK CRADLE

- Ergonomically designed book cradle with stepper motors
- Auto-pressure adjustment with pressure sensors in the glass plate for gentle treatment of old documents
- Enables scanning of books with a spine up to 20cm and a weight of 20kg

A1 EXTENSION

- Enables scanning of documents up to A1
- Suitable for gentle treatment of old documents

PC REQUIREMENTS

- Operating system: Windows XP with SP2 or better
- Memory: 1 GB (greyscale) / 2 GB (color)
- Hard disc: 40 GB (greyscale) / 200 GB (color)
- Interface: USB-2.0

SHIPPING AND HANDLING

- Wooden-free packaging
- Compact design
- Installation could be done by the operator

ENVIRONMENT

- 10° - 38°C, 10% - 85% humidity (not condensing)

WARRANTY

- 3 years free of charge

DIMENSIONS / WEIGHT

- 1060 x 665 x 1170 mm (W x D x H)
- greyscale version: 46 kg / color version: 53 kg

POWER SUPPLY

- 100 V – 240 V, 47 Hz – 63 Hz
- scanning: 90 VA, operation book cradle: 124 VA



SOFTWARE SPECIFICATIONS

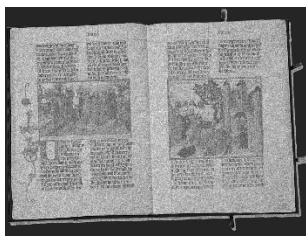
OUTPUT FORMATS:



TIFF with CCITT G4, CCITT G3, Huffman, LZW, JPEG or Packbits Coding; PDF with CCITT G4, Deflate or JPEG Coding; JFIF (JPEG), Windows Bitmap, CALS Raster Type 1, JEDMICS C4, Image Machines TG4.

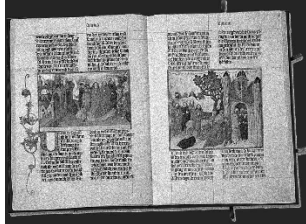
AUTO IMAGE ENHANCEMENT WORKFLOW

The bookscanner is equipped with an image enhancement software. The process will operate as a separate thread in the background. The thread will be released and processed the images according to the specifications of the image- and quality profile. Therefore the batch will be inside the real scanning time.



Raw Image

The raw image is generated by the 256 gray-level scanbar. The maximum time for scanning an A2 format is 7,5 seconds. Smaller documents will be digitized faster. There is a direct correlation inbetween size and scanning time.



Gamma correction

This function analyzes the overall brightness. The internal automated evaluation process will lead to the best contrast available.



Cleaning

With this function the software separates real information from information which is definitely not required, such as dirt, speckles or uneven backgrounds.

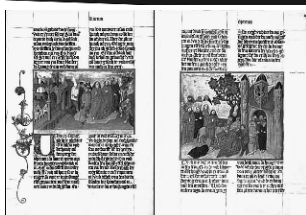
The statistically based serialized multi-filter process will provide a clean image. Apart from a yielding better impression, a much better compression of the file can be achieved.



Deskewing

The main purpose of deskewing the image is to shift the image into an exact horizontal and vertical position. Incoming tolerances are mainly caused by unprecise positioning through the operator on high volume scan jobs.

With this function the operator can work faster and more relaxed.



Cropping

The end user wants to see the image itself; he is not interested in the surrounding information. The automated border detection and center detection specify the surrounding borders of each page.

Then all information outside the page is eliminated, the double page gets separated into 2 separate pages.

Binarisation

This final process converts the image from a gray to bitonal data structure.

