

DigiBook SUPRASCAN II

Color & Grayscale Scanner for Bound Precious Works

Designed For Performance

The right price for a high quality, high productivity and ergonomic system

The new generation of SUPRASCAN scanners digitize documents, books and any type of bound works up to a A1 / D size format in color, grey scale or binary modes. It delivers high resolution/quality images with true optical resolutions from 300 to 800 dpi depending on the scanned area.

The SUPRASCAN scanner features outstanding productivity due to the bi-directional scanning and the parallel processing of the image recording phase: the scanning time of an ANSI D sized color document at 300 dpi in 7.4 seconds.

The scanning application has a user-friendly interface that allows simple setting of the scanning size and resolution along with the image processing options and output file types.

In addition, the system can be configured with numerous accessories such as book cradles, 120° book holder, back light and an optional glass plate. Each accessory complements the scan quality while preserving the document's integrity.



Benefits

High Productivity

- Bi-directional scanning
- Image displayed during scanning.
- Image enhancement & compression while scanning
- Improved operator comfort with new ergonomic design

Latest LED Lighting Technology

- No UV or Infrared emissions
- Very low heat dissipation
- Very long life lighting (up to 6 years)
- Focused light

High Quality Scan

- High resolution line scan moving camera
- Fine resolution setting due to the camera height adjustment
- Moving lights for uniform illumination throughout document
- Real time lighting correction
- Focused LED lighting optimized for bright/reflective documents

Document Preservation

- Low lighting emission -no heat, no visual disturbance for the operator
- Optional manual or motorized book cradles - no hydraulic system, no pressure
- Optional 120° book holder - ideal for fragile books

BOOK RESTORER™: optional digital image restoration software

- Curvature correction
- Cropping,
- Finger removal
- Immediate or batch mode processing of image enhancements.



20cm/25kg Book Cradle



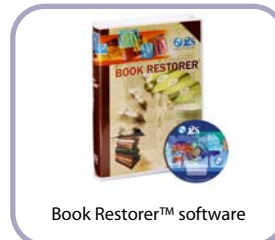
Articulated Screen Arm



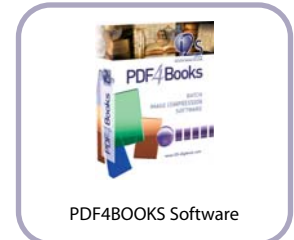
30cm/40kg Electronic Book Cradle



100°, 120°, 140°
Book Holder



Book Restorer™ software



PDF4BOOKS Software



iimageretrieval

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Specifications

DIGITIZATION

model ccd	SUPRASCAN II 7600 RGB	
model ccd	7,600 pixels color RGB	
optical resolutions	D C B A	300ppi 300-400ppi 300-600ppi 300-800ppi
color mode	10-bit digitization 24-bit output (16 million colors)	
gray level mode	10-bit digitization 8-bit (256 gray levels)	
binary mode	1-bit (Black & White)	
file formats	JPEG with adjustable compression rate TIFF uncompressed, TIFF LZW PNG with adjustable compression rate TIFF Group IV for binary images	
resolution settings	User adjustable for true optical resolution	
lighting	Long life focused LED lighting system. Has no UltraViolet or Infrared output.	
lighting correction	in real time	
lens	High quality 60mm Rodenstock Lens	

PHYSICAL CHARACTERISTICS

dimensions	6'1" (w) x 3'4" (d) x 2'9" (h)
total weight	187 lbs
electrical power	110v - 60 hz, 220v - 50 hz 300 va max
certifications	ce / fcc part 15 conformity low voltage electrical safety en60950 radio electrical disturbances en55022, en61000-3-2, en61000-3-3 electromagnetic immunity en55024

SIZES HANDLED

type	maps, magazines, newspapers, books, any type of bound works
formats	din A1 & ANSI D or smaller
maximum dimensions	24.8" x 36.4"
standard thickness	1.5 "
maximum thickness	Depending on Cradle
maximum weight	Depending on Cradle

SCANNING TIMES

based on PC with Pentium dual CPU (January 2008)

	Resolution	Image size for 1 page in color	Scanning time in color	Scanning time in grayscale
A	400 ppi	23 MB	4 sec	*
A	800 ppi	92 MB	7.3 sec	*
B	300 ppi	26 MB	4.2 sec	*
B	400 ppi	45 MB	5 sec	*
B	600 ppi	101 MB	7.4 sec	*
C	300 ppi	51 MB	5.5 sec	*
C	400 ppi	92 MB	6.8 sec	*
D	300 ppi	101 MB	7.4 sec	*

*Benchmark times not available at time of printing. Specific sample scans can be provided to you upon request.

CALCULATE YOUR PRODUCTIVITY

Productivity of DigiBook scanners is directly dependent upon the scanning time (S) and the time necessary to turn the page (T). You may calculate your own productivity using the following formula:

$$P = 2 \times 3600 / (S + T)$$

With P: productivity in pages/hour

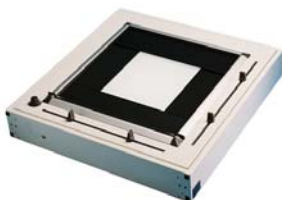
With S: scanning time in seconds (see the chart)

With T: evaluated time to turn the page, in seconds

Options

Back Lighting Tables

Back lighting tables are essential accessories for digitizing negatives.



Removable Glass

Essential when digitizing inserts and small thick rigid books. Ideal for minimizing physical contact by the operator. Available in ANSI C and D sizes. Usable with 20, 30 or 50 cm cradles.



The system's table top may be substituted with the **book cradle** option (shown on the right). Available in various sizes, the self balancing **book cradle** option allows books to be placed within the system without adding stress to the binding. (available in 15cm, 30cm, and 50cm).



Additional accessories are available.