

digibook.

INNOVATIVE IMAGING SOLUTIONS

DigiBook SUPRASCAN II

DESIGNED FOR PERFORMANCE

► High quality, high productivity and ergonomic system

The new generation of SUPRASCAN scanners digitizes documents, books and any type of bound works over A1 size format in color, grey scale or binary modes. It delivers high resolution/quality images with true optical resolutions from 300 to 600 dpi depending on the scanned area.

The line of scanners has enhanced productivity with bidirectional scanning and background writing of the resultant image. The maximum scan time at 300 dpi for the full A1 / D size is 7.3 seconds in color. Scanning a 2x4 book comes down to only 4.2 seconds in color.

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. All of which complement the scan quality while preserving the document integrity.



► Advantages

High productivity

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

High Quality Scan

- 8 lp/mm at 400 dpi; 11.5 lp/mm at 600 dpi
- High resolution line scan moving camera
- Fine resolution setting due to the camera height adjustment
- Moving lights for uniform illumination on the whole document
- Real time lighting correction LED lighting optimized for bright/reflective documents
- ICC profile management

Document preservation

- No glass required therefore no contact with the book
- Manual or motorized book cradle (optional)
- Low lighting emission with no heat
- 120° book holder (optional), ideal for fragile books

Ergonomics

- Design to ensure ergonomics and to maintain productivity
- Screen can be easily adjusted with ergonomic articulated arm
- Lighting is below the user's eye level

Latest LED Lighting Technology

- No UV and Infrared emissions
- Very low heat dissipation
- Very long life lighting (up to 6 years)
- Focused light
- Light is on only during the scan



20cm/25kg Book Cradle



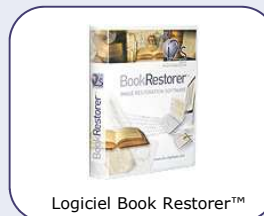
Ergonomic Screen Arm + Keyboard support



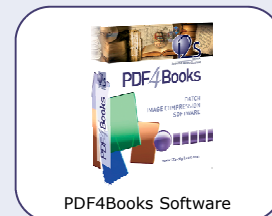
50cm/40kg Electronic Book Cradle



120° Book Holder



Logiciel Book Restorer™

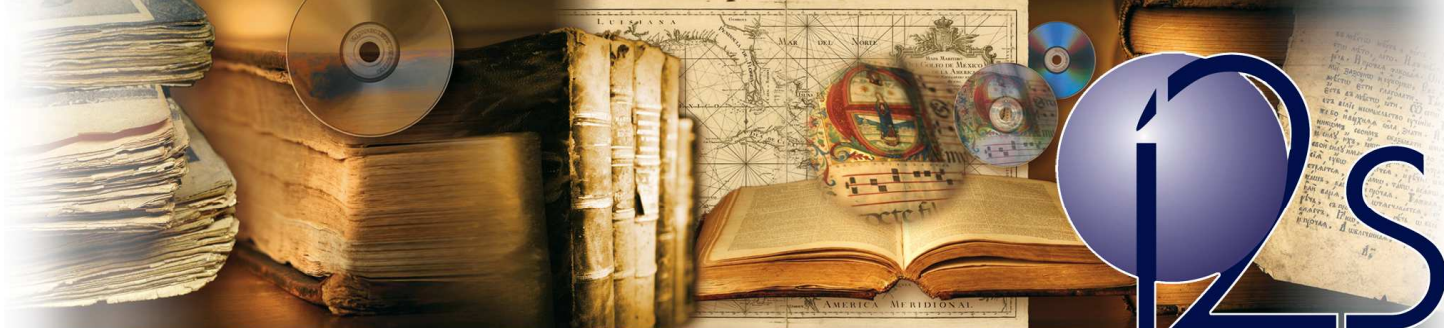


PDF4Books Software

BOOK RESTORER™: optional digital image restoration software

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

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SPECIFICATIONS

▼ SIZES HANDLED

Formats	Over DIN A1 / D (2XA2)
Maximum scan area	630 mm (24.8") (h) x 1100 mm (43.3") (w)
Standard thickness ¹	4 cm (1.5")
Maximum thickness ²	20 or 50 cm (7.8" or 19.7")
Maximum weight ²	25 or 40 kg (55 lb. or 88 lb.)

▼ DIGITIZATION

Model	SUPRASCAN II 7600 RGB
CCD	7,600 pixels colour RGB
Optical resolutions	300 dpi
↗ 2 x A2 (ANSI D)	300 to 400 dpi
↗ 2 x A3 (ANSI C)	300 to 600 dpi
↗ 2 x A4 (ANSI B)	300 to 600 dpi
↗ 2 x A5 (ANSI A)	300 to 600 dpi
Output	24-bit output (16 millions of colors) binary & monochrome 8-bit (256 grey levels)
Resolution setting	User adjustable for true optical resolution
Lighting	Long life focused LED lighting system has no UV or Infrared output
Lighting correction	In real time
Drivers	- TWAIN - API
Lens	High quality 60mm Rodenstock lens

▼ SCANNING TIME

based on PC Pentium Dual CPU (January 2008)

Format	Resolution	Color image size for 1 page	SUPRASCAN II	
			7600 RGB	Scanning time ³ (S)
2xA5	400 dpi	23 MB		4.1 sec
2xA5	600 dpi	51 MB		5.9 sec
2xA4	300 dpi	26 MB		4.2 sec
2xA4	400 dpi	45 MB		5.3 sec
2xA4	600 dpi	101 MB		7.7 sec
2xA3	300 dpi	51 MB		5.6 sec
2xA3	400 dpi	90 MB		7.1 sec
2xA2	300 dpi	101 MB		7.3 sec

(1) without book cradle option

(2) with book cradle option

(3) the scanning time is measured from the operator's order until the end of image display

▼ IMAGES

Min. screen resolution	1280 (w) x 1024 (v) pixels
Enhancements	<ul style="list-style-type: none"> • manual deskew • sharpen filter • white balance
Storage	Fast data transfer to the local hard disk or to the network
Storage formats	<ul style="list-style-type: none"> • JPEG with adjustable compression rate, uncompressed TIFF, TIFF LZW, PNG • TIFF G4 for binary images

▼ PHYSICAL CHARACTERISTICS

Dimensions (excluding PC)	1850mm (W) x 1000mm (D) x 1830mm (H) 73" (W) x 39.5" (D) x 32.75" (H)
Total weight	85 kg (187 lbs.) (without PC nor monitor)
Electrical power	220V - 50 Hz, 110V - 60 Hz, 300 VA max
Operating temperature	Between 10°C/50°F and 30°C/86°F
Certifications	CE / FCC part 15 CONFORMITY Low voltage electrical safety EN60950 RADIOELECTRICAL DISTURBANCES EN55022, EN61000-3-2, EN61000-3-3 ELECTROMAGNETIC IMMUNITY EN55024

▼ CALCULATE YOUR PRODUCTIVITY

The productivity of DigiBook scanners is directly dependent upon the scanning time³ (S) and the time necessary time 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

- Book cradles
 - 20cm and 50cm book cradle
- 140/120/100 degree book holder with optional glass
- Lighting tables
 - 40 x 43cm or 43 x 80cm back lighting table
- Auto or manual removable A1 glass
- Ergonomic screen arm + keyboard support
- Book Restorer™, Page Restorer - Image enhancement software
- PDF4Books - Batch image compression software

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