

digibook.

INNOVATIVE IMAGING SOLUTIONS

DigiBook SUPRASCAN A1

Color & Grey scale scanners for bound precious works

► Flexible scanners, high image quality and productivity

The DigiBook SUPRASCAN A1 scanners digitize documents, books and any type of bound works up to A1 / D size format in color, grey scale or binary modes. They deliver high resolution and high quality images with true optical resolutions from 200 dpi up to 800 dpi depending on the scanned area and on the camera model.

The DigiBook SUPRASCAN A1 scanners feature outstanding productivity thanks to bi-directional scanning and background writing of the resultant image. The maximum scan time of a 2xA2 size in color, at 300 dpi, will not exceed 19 seconds (8002 RGB).

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 vacuum tables or book cradles. All of which complement the scan quality while preserving the documents integrity.



► Benefits

Document preservation

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

High quality scan

- 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
- Focused lighting optimized for bright/reflective documents

High productivity

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



20cm/25kg Book Cradle



120° Book Holder



50cm/40kg
Electronic Book Cradle



Book Restorer™ Software

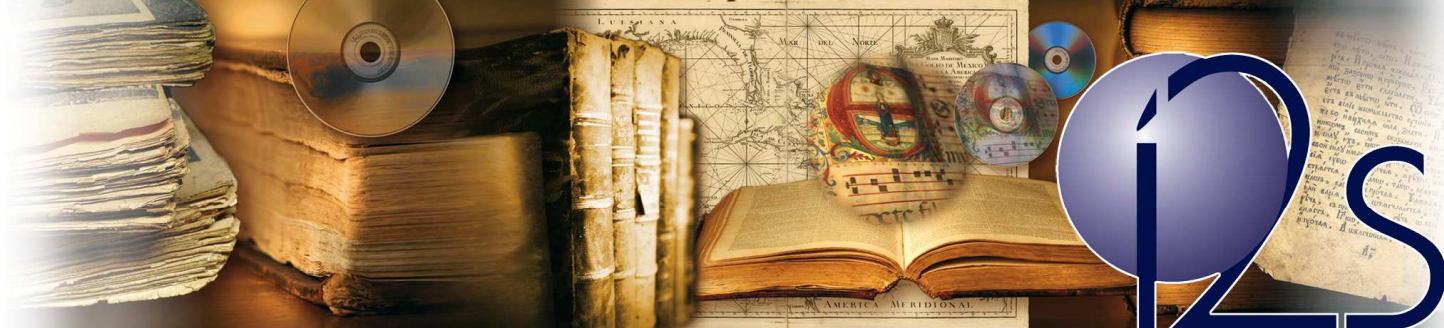
Flexible scanner range

- Only one mechanical platform
- Choice of 6,000, 8,000 and 10,200 pixel, mono-chrome and color cameras
- Removable scanner heads
- Large range of optional accessories

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	Up to DIN A1 / D (2xA2)
Maximum dimensions	630 mm (24.8") (h) x 840 mm (33") (w)
Standard thickness ¹	4 cm (1.5")
Maximum thickness ²	20, 30 or 50 cm (7.8", 11.8" or 19.7")
Maximum weight ²	25, 30 or 40 kg (55 lb., 66 lb. or 88 lb.)

▼ DIGITIZATION

Model	6002 BW	8002 BW	8002 RGB	10000 RGB
CCD	6,000 pixels monochrome	8,000 pixels monochrome	8,000 pixels color RGB	10,200 pixels color RGB
Optical resolutions	200 to 250 dpi	300 dpi	200 to 400 dpi	200 to 400 dpi
↗ 2 x A2 (ANSI D)	200 to 300 dpi	300 to 400 dpi	200 to 600 dpi	200 to 600 dpi
↗ 2 x A3 (ANSI C)	200 to 400 dpi	300 to 600 dpi	200 to 800 dpi	200 to 800 dpi
↗ 2 x A4 (ANSI B)	200 to 600 dpi	300 to 800 dpi	200 to 800 dpi	200 to 800 dpi
↗ 2 x A5 (ANSI A)				
Modes	42-bit digitization / 24-bit output (16 millions of colors) Binary & monochrome 8-bit (256 grey levels)			
Resolution setting	User adjustable for true optical resolution			
Lighting	High-frequency fluorescent lamps adapted to bright/reflective documents or relief improvement			
Lighting correction	In real time			
Drivers	- TWAIN - API			
Lens	High quality 60mm Rodenstock lens			

▼ SCANNING TIME

based on PC Pentium IV-2.8 GHz

Format	Resolution	Image size for 1 page		6002 BW	8002 BW	8002 RGB	10000 RGB
		Greyscale	RGB	Scanning time ³ (S)	Scanning time ³ (S)	Scanning time ³ (S)	Scanning time ³ (S)
2xA5	300 dpi	4 MB	13 MB	4 sec	5 sec	7.5 sec	10 sec
2xA5	600 dpi	17 MB	51 MB	6 sec	10 sec	15 sec	20 sec
2xA4	200 dpi	3.8 MB	12 MB	3 sec	-	-	7 sec
2xA4	300 dpi	8.4 MB	26 MB	5 sec	7 sec	10 sec	13 sec
2xA4	400 dpi	15 MB	45 MB	6 sec	9 sec	13 sec	17 sec
2xA4	600 dpi	34 MB	101 MB	-	14 sec	20 sec	26 sec
2xA4	800 dpi	60 MB	180 MB	-	-	-	34 sec
2xA3	200 dpi	7.5 MB	23 MB	4 sec	-	-	12 sec
2xA3	300 dpi	17 MB	51 MB	6 sec	10 sec	14 sec	18 sec
2xA3	600 dpi	68 MB	202 MB	-	-	-	35 sec
2xA2	250 dpi	24 MB	70 MB	7 sec	-	-	-
2xA2	300 dpi	34 MB	101 MB	-	14 sec	19 sec	24 sec
2xA2	400 dpi	60 MB	179 MB	-	-	-	32 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
Display type	Interpolated
Zoom factor	1/2, 1, 2 and 4
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)	1700 mm (W) x 1000 mm (D) x 830 mm (H) 67" (W) x 39.5" (D) x 33" (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 36°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

Since the new software release (version V5.3 and higher) the productivity of DigiBook scanners is directly dependent upon the scanning time³ (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

- Book cradles
 - 20 cm, 30 cm or 50 cm book cradles
- 140/120/100 degree book holder with optional glass
- Lighting tables
 - 40 x 43 cm or 40 x 80 cm back lighting table
- Removable glass
- Book Restorer™, Page Restorer - Image enhancement software
- PDF4Books - Batch image compression software

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