

i2S
digibook.
INNOVATIVE IMAGING SOLUTIONS

GREY SCALE SCANNERS FOR BOUND PRECIOUS WORKS DigiBook 6002 BW & DigiBook 10000 BW

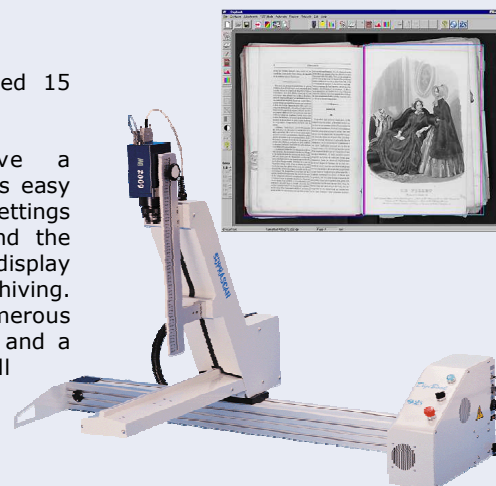
► Flexible scanners, high image quality and productivity

The DigiBook 6002 BW and DigiBook 10000 BW scanners digitize documents, books and any type of bound works up to a maximum 2xA2 (A1 landscape) format in grey scale and binary modes. They provide high resolution and high quality images with optical resolutions ranging from 200 dpi up to 800 dpi depending on the format and on the model.

The DigiBook 6002 BW and DigiBook 10000 BW scanners feature outstanding productivity due to the bi-directional scanning and the time masking of the image recording phase: the maximum scanning time of a 2xA2 format, at 300

dpi, in grey scale will not exceed 15 seconds.

The DigiBook scanners have a user-friendly interface which allows easy configuration of the camera settings (which depend on the format and the desired resolution), the image display control and the digital image archiving. In addition, there are numerous accessories such as book cradles and a 120° book holder which will improve the digitization quality while preserving the document and offering the maximum comfort to the operator.



► Benefits

Document preservation

- no glass therefore no contact with the book
- low lighting emission with no heat and no visual disturbance to the operator
- manual or motorised book cradles (optional), without hydraulic system so no pressure on book
- 120° book holder (optional), ideal for fragile books

High digitization quality

- high resolution line scan moving camera
- fine resolution setting due to the mechanical kit for camera height adjustment
- moving lights for a homogeneous light on the whole document surface
- real time lighting correction to process image non-uniformities
- lighting dedicated to bright/reflective documents and relief improvement (optional for the 6002 BW model)

High productivity

- only one camera lens setting per book
- bi-directional scanning: no time wasted due to arm repositioning
- image display during the digitization phase
- image recording independent from the scanning operation
- operator comfort due to ergonomic design



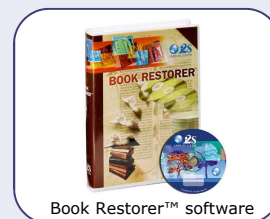
Book Cradle 20cm/25kg



120° Book Holder



Book Cradle 50cm/40kg



Book Restorer™ software

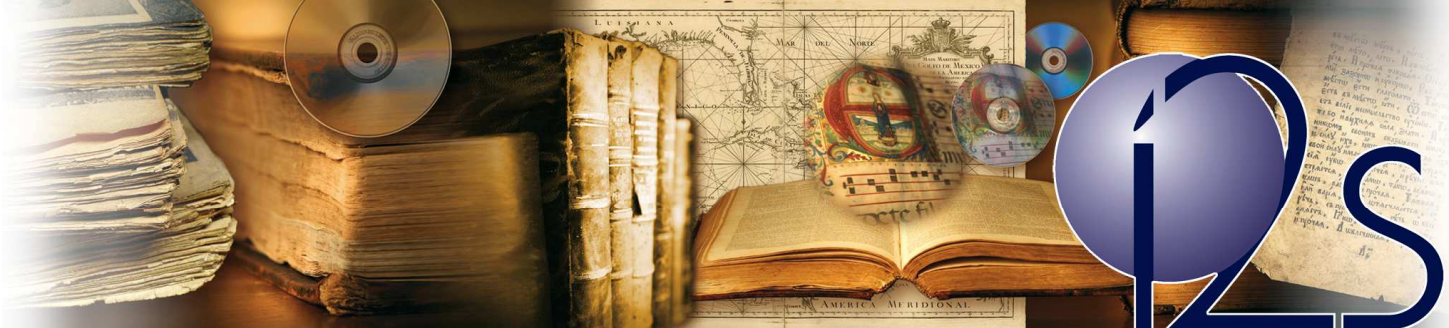
Flexible scanner range

- only one mechanical platform
- choice of 6,000 and 10,200 pixel, monochrome and colour cameras
- removable scanner heads
- large range of optional accessories

BOOK RESTORER™: optional digital image restoration software

- geometrical correction, crop, finger erasing
- automation of restoration processes, including immediate or batch mode
- ... and many other features

www.i2s-digibook.com



GREY SCALE SCANNERS

DigiBook 6002 BW & DigiBook 10000 BW

SPECIFICATIONS

▼ WORKS ACCEPTED

formats	> DIN A1 (2 x A2)
maximum dimensions	630 mm (h) x 840 mm (w)
standard thickness ¹	4 cm
maximum thickness ²	20, 30 or 50 cm
maximum weight ²	25, 30 or 40 kg

▼ DIGITIZATION

Model	DigiBook 6002 BW	DigiBook 10000 BW
CCD	6,000 pixels monochrome	10,200 pixels monochrome
optical resolutions	↗ 2 x A2 200 to 250 dpi ↗ 2 x A3 200 to 300 dpi ↗ 2 x A4 200 to 400 dpi ↗ 2 x A5 200 to 600 dpi	200 to 400 dpi 200 to 600 dpi 200 to 800 dpi 200 to 800 dpi
modes	monochrome 14-bit digitization / 8-bit output (256 grey levels) & binary 1-bit	
resolution setting	the mechanical kit allows camera height adjustment	
lighting	high-frequency fluorescent lamps, standard or adapted to bright/reflective documents or relief improvement (optional for the 6002 BW model)	
lighting correction	in real time	
drivers	- TWAIN - API	
lens	60 mm fixed focal length, manual iris and focus	

▼ SCANNING TIME

based on PC Pentium IV-2.8 GHz

Format	Resolution	Image size for 1 page	DigiBook 6002 BW	DigiBook 10000 BW
			Scanning time ³ (S)	Scanning time ³ (S)
2xA5	200 dpi	2 MB	2.4 sec	4.3 sec
2xA5	400 dpi	7.5 MB	4.0 sec	8.0 sec
2xA5	600 dpi	17 MB	5.9 sec	12 sec
2xA4	200 dpi	3.8 MB	3.0 sec	5.5 sec
2xA4	300 dpi	8.4 MB	4.1 sec	8 sec
2xA4	400 dpi	15 MB	5.3 sec	11 sec
2xA4	600 dpi	34 MB	-	16 sec
2xA4	800 dpi	60 MB	-	21 sec
2xA3	200 dpi	7.5 MB	3.9 sec	7.4 sec
2xA3	300 dpi	17 MB	5.5 sec	11 sec
2xA3	600 dpi	68 MB	-	22 sec
2xA2	250 dpi	24 MB	6.2 sec	-
2xA2	300 dpi	34 MB	-	14.7 sec
2xA2	400 dpi	60 MB	-	20 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
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	1700 mm (W) x 1000 mm (D) x 830 mm (H) (excluding PC)
total weight	85 kg (without PC nor monitor)
electrical power	220V - 50 Hz, 110V - 60 Hz, 300 VA max
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 besides)

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

▼ OPTIONS

- Book cradles
 - BOOK CRADLE20, 30 or 50 cm
- 120° book holder with/without glass plate
 - 120DEG & 120DEG-PLATE
- Lighting tables
 - LIGHT TABLE 4043 or 4380
- Removable glass
 - GLASS-OPTION
- Image restoration software
 - BOOK RESTORER™, PAGE RESTORER

www.i2s-digibook.com