DigiBook SUPRASCAN A0

Color & *Grey scale* scanners for maps & large format works

▸ Flexible scanners, high image quality and productivity

The DigiBook SUPRASCAN A0 scanners digitize large format and bound documents, which can reach DIN A0/E format and beyond up to 870 mm *(34.2")* (h) x 1250 mm *(49.2")* (w), in color or grey scale. They provide modular flexibility, high productivity and exceptional image quality.

The DigiBook SUPRASCAN A0 scanners consist of an A0 format support plate for maps and a mechanical system that moves the scanner head and the lighting simultaneously.

With the 14,400 pixel color camera, A0/E maps are digitized at 400 dpi resolution in color, with a scanning time of one minute.
Due to their double mechanical camera height adjustment kit and their book

cradle options, the DigiBook SUPRASCAN A0 scanners are capable of digitizing works with formats up to 2xA2 at 600 dpi and 2xA4 at 1000 dpi .

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

Large format digitization
The DigiBook SUPRASCAN A0 scanners ergonomics have been specifically developed to allow you to easily place your large documents on the support plate. Access to the document - once it has been placed on the plate - is possible from the right, left or front sides, depending on the user's preference. This user friendliness, in conjunction with the bi-directional scanning mode of the scanner, contributes to minimize the time between each scan.

Optimizing the digitization format
Optimization is possible due to a wide range of interchangeable, compatible scanner heads, offering several resolutions to enable high quality scans.
New models are constantly under development to enlarge the range of available resolutions.
The DigiBook SUPRASCAN A0 scanners are equipped with a dual mechanical camera head setting kit, which enables the adjustment of the resolution range, depending on the format: on an A0 format with the 14,400 pixels camera, resolutions from 200 to 400 dpi; on A2 to A5 landscape formats, resolutions from 200 to 1000 dpi.

Modular flexibility
The DigiBook SUPRASCAN A0 scanners are perfectly adapted to large formats. They have an extremely modular design that allows the digitization of books and bound documents up to the A1 format. It is extremely easy to change from the A0 plate setup to the "book cradle" option to allow the operator to quickly change scanning setups (see image).

Vacuum table option

Color RGB or grey scale camera

Height mechanical adjustment setting kit for A0 format

Height mechanical adjustment setting kit for ↗ A1 landscape format

Book Cradle option

www.i2s-digibook.com

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SPECIFICATIONS

▼ SIZES HANDLED

Type	Maps, magazines, newspapers, books, any type of bound works
Formats	Up to DIN A0 / E
Maximum dimensions	870 mm *(34.2")* (h) x 1250 mm *(49.2")* (w)

▼ DIGITIZATION

Model	**10000 RGB**	**14000 BW**	**14000 RGB**
CCD	10,200 pixels color RGB	14,400 pixels monochrome	14,400 pixels color RGB
Optical resolutions ↗ 2 x A1 (ANSI E) ↗ 2 x A2 (ANSI D) ↗ 2 x A3 (ANSI C) ↗ 2 x A4 (ANSI B)	150/250 to 300 dpi 150 to 400 dpi 150 to 600 dpi 150 to 800 dpi	200/400 dpi 200 to 600 dpi 200 to 800 dpi 200 to 1000 dpi	
Color mode (RGB model only)	42-bit digitization 24-bit output (16 millions of colors)		
Grey scale mode	8-bit (256 grey levels)		
Binary mode	1-bit (2 grey levels)		
Resolution setting	User adjustable for true optical resolution		
Lighting	High-frequency fluorescent lamps, adapted to matt and bright documents		
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		10000 RGB	14000 BW	14000 RGB
		Greyscale	RGB	Scanning time[1] (S)	Scanning time[1] (S)	Scanning time[1] (S)
A0	150 dpi	-	101 MB	17 sec	-	-
A0	200 dpi	60 MB	179 MB	-	22 sec	31 sec
A0	300 dpi	-	403 MB	34 sec	-	-
A0	400 dpi	240 MB	715 MB	-	40 sec	62 sec
2×A3	300 dpi	-	50 MB	18 sec	-	-
2×A3	400 dpi	30 MB	89 MB	24 sec	20 sec	32 sec
2×A3	600 dpi	67 MB	200 MB	35 sec	30 sec	47 sec
2×A3	800 dpi	120 MB	358 MB	-	40 sec	63 sec

([1]) 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	● manual deskew ● sharpen filter ● white balance
Storage	Fast data transfer to the local hard disk or to the network
Storage formats	● JPEG with adjustable compression rate, uncompressed TIFF, TIFF LZW, PNG ● TIFF G4 for binary images

▼ PHYSICAL CHARACTERISTICS

Dimensions (excluding PC)	2 m (W) x 1,15 m (D) x 2 m (H) 79" (W) x 45.5" (D) x 79" (H)
Total weight	160 kg / 352 lbs. (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 time[1] (S) and on the time necessary to turn the page (T). You may calculate your own productivity using the following formula:

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

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
D = 1 if 1 page per scan, D=2 if 2 pages per scan

▼ OPTIONS

● A0 format vacuum table (110V or 220V)
● A1 format book cradles
  — 20 cm, 20 cm/90°, 30 cm or 50 cm book cradles
● 140/120/100 degree book holder with optional glass
● Removable glass
● Book Restorer™, Page Restorer - Image enhancement software
● PDF4Books - Batch image compression software

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i2S - 28/30 rue Jean Perrin - 33608 PESSAC CEDEX - FRANCE - tel. +33 557 26 68 98 - fax +33 557 26 68 99
www.i2s-digibook.com - e-mail: info-bookscanner@i2s.fr