

DigiBook SupraScan A0/E

A0/E size
at 400ppi!

Color & Grayscale Scanner for Large Format & Rare Works

With over 20-years experience in image capturing and processing, i2S continues to develop solutions for the digitization and restoration of rare historical documents, aiding in the valuable preservation of a nation's cultural heritage.

i2s offers you a complete range of scanners that fulfill all of your digitization needs, no matter how strict the handling requirements for your most fragile documents (i.e. ancient books, manuscripts, maps, newspapers).

The most versatile and powerful scanner in our SUPRASCAN range, the DigiBook A0/E, is dedicated to digitizing large format and bound documents in either color or grayscale.

This scanner possesses exceptional image quality and is capable of digitizing A0 and E sized materials up to 34.2" (h) x 49.2" (w) at 400ppi. With the DigiBook A0/E, your productivity will increase tremendously. With the 10000 pixel camera, the system can scan A0/E format documents as fast as 12 seconds!



You may also select the file format for image output. Available formats include JPEG with variable compression, uncompressed TIFF or PNG for grayscale or color images, and TIFF G4 for binary images.

Productivity can be further increased by utilizing the Book Restorer™ software in conjunction with the scanner. As a separate application, Book Restorer™ can be used to enhance single page scans or to run in automatic mode as a batch process application. Image manipulation and enhancement can be done simultaneously or post process at additional work stations.

In speed, versatility, and image quality, the DigiBook A0/E is unrivaled!



iimageretrieval

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Specifications

DIGITIZATION

model	10K RGB	10K BW	14K RGB	14K BW
ccd	tri-linear 10,200 pixels	mono 10,200 pixels	tri-linear 14,000 pixels	mono 14,000 pixels
optical resolutions for US sized documents	150-300 ppi		200-400 ppi	
	300-400 ppi		200-600 ppi	
	300-600 ppi		300-800 ppi	
	300-800 ppi		400-1200 ppi	
color mode (RGB model only)	42-bit digitization 24-bit output (16 million colors)			
gray level mode	14-bit digitization 8-bit output (256 gray levels)			
binary mode	1-bit (2 gray levels)			
file formats	JPEG with adjustable compression rate TIFF uncompressed PNG with adjustable compression rate TIFF Group IV for binary images			
resolution settings	Fully adjustable camera for true optical resolutions			
lighting	high frequency fluorescent lamps, adapted for matte and bright documents light direction and intensity is user adjustable			
lighting correction	in real time			
lens	60 mm fixed focal length, manual iris and focus			

Additional cameras include 6,000 and 8,000 pixel models providing faster throughput.

WORKS ACCEPTED

type	maps, magazines, newspapers, books, any type of bound works
formats	DIN A0 / E or smaller
maximum dimensions	34.2" x 49.2"

OPTIONS

Book Cradles

- 15cm - accommodates D size books up to six(6) inches and 33 lbs
- 30cm - accommodates D size books up to 11 1/2 inches and 66 lbs
- 50cm - accommodates D size books up to 19 1/2 inches and 88 lbs
- 15/90° - similar to 15cm, but can be rotated on casters

Vacuum Table - assists in maintaining large flat objects as level and flat as possible.

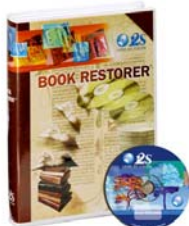
120° Book Holder - Ideal for fragile books with tight bindings

Glass Option - helpful with books with stiff bindings, inserts, photographs, and to minimize the operator's physical contact.

BOOK RESTORER™:

Image restoration software

- Geometrical correction
- Lighting correction
- Crop
- Finger masking
- Smart binarizing
- ICC profiles
- Area detection
- Polarity detection



SCANNING TIMES

All scans performed with 10000 pixel camera, except where noted.

Format	Resolution	COLOR		Grayscale	
		Image size for 1 page	Scanning time	Image size for 1 page	Scanning time
E	150 ppi	99 MB	17 s	33 MB	12 s
E	250 ppi	274 MB	28 s	91 MB	18 s
E	300 ppi	395 MB	34 s	132 MB	21 s
E	400 ppi	702 MB	82 s ¹	234 MB	40 s ²
B	300 ppi	49 MB	13 s	17 MB	8 s
B	400 ppi	88 MB	17 s	29 MB	11 s
B	600 ppi	197 MB	26 s	66 MB	16 s
B	800 ppi	351 MB	34 s	117 MB	24 s

¹ Using 14000 pixel RGB Camera

² Using 14000 pixel BW Camera

PHYSICAL CHARACTERISTICS

dimensions	6.57 ft (L) 3.78 ft (W) 6.57 ft (H) (excluding PC)
total weight	353 lbs. (without PC and monitor)
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