SupraScan

Quartz A1V
Quartz A1V HD

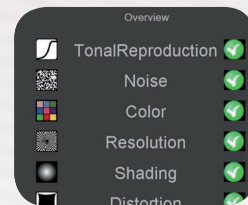THE BEST CHOICE FOR YOUR FRAGILES COLLECTIONS

i2s

be visionary

SupraScan Quartz A1V and Quartz A1V HD: the best image quality
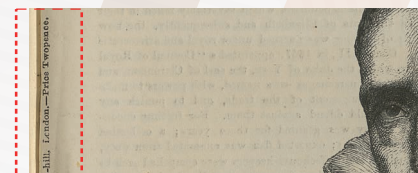
The third generation of SupraScan range has been designed to satisfy the most demanding end-users, especially in terms of **image quality.**

SupraScan Quartz A1V and Quartz A1V HD are **compliant with ISO 19264-1, Metamorfoze and FADGI** standards.

15 years of innovation to reach the highest level in terms of image quality

The SupraScan Quartz A1V and Quartz A1V HD offer a high flexibility: the bookcradle fitted with an angle opening from **90° to 120° and a glass**. Both have been developed for documents' safety and receptiveness. Either you scan fragile documents opened at **90° to 120° thanks to a dedicated book holder** accesory and its adequate glass, or you can scan with the normal glass plate for documents openned at 180° as usual.

Cameras are designed and produced by i2S; this is the result of many years of experience in digital imaging and processing.

Some references - They trust our solutions

National Library of Wales
National Library of Norway
University of Dublin Ireland
Royal Library of Sweden
National Library of France
National Library of Finland
Hermitage Museum Russia
Library of Quebec
National Archives of France
State & University, Library of Düsseldorf
National Library of Czech Republic
National Library of China
Carneggie Mellon University
University of Michigan
Albertina Museum, Austria
National Library of Bulgaria
Texas State Library and Archives Commission
Ministry of Culture Spain
Koç University
National Archives of Japan
National Archives of Nepal
Beijing University China
National Archives of Mexico
Archive of Morocco
Rome City Hall
Qatar National Library
National Library of Bangladesh
University of Florida
Municipality and archives Mali
Ministry of Justice of Tunisia
National Archives of Egypt
International Islamic University of Malaysia
University of Ghana
National University of Singapore
National Archives of Peru
Ministery of the interior Gabon
National Archives of Indonesia
Supreme Federal Court of Brazil
University of Pretoria
National Library of Chile
National Archives of Argentina
Victoria University Melbourne

Image Quality
- Up to 1000 dpi optical on smaller formats
- No Mechanical camera shutter
- Camera remains perpendicular to the document center: no distortions
- MTF at 300 dpi: 100% resolution efficiency (about 5,9lp/mm)
- MTF at 1000 dpi: 90% resolution efficiency (about 18lp/mm)

Productivity
- Scan time < 6s (Standard model) / 16s (HD model)

LED Lighting
- Lighting adjustment to enhance relief on documents or objects
- Glare free system even on highly reflective documents

Glare control system

relief enhancement

Book Cradle
- 2 optional models of Book cradle 25 or 40cm
- Pressure sensors
- Scan launch when glass is down
- Automatic opening when scan is done
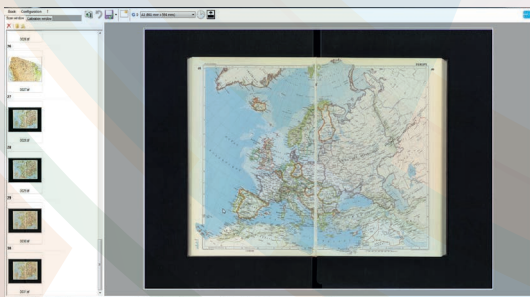- Can operate without glass plate

Large format
- up to 900 x 630 mm (35,4' x 24,8' in) - Quartz A1V
- up to 900 x 618 mm (35,4' x 24,3' in) - Quartz A1V HD

Optional
V Book Holder
(2xA2 or 2xA1)

Software

LIMB CAPTURE Windows

- ROI (limiting the scan area to the width of the document being scanned)
- Image displayed during scanning
- Multi frame management: saving multiple files from one scan
- Automatic format detection
- Auto-focus (HD Model)
- Real-time lighting correction
- Light "On" only during scanning
- Automatic calibration & Fine tune calibration menu
- ICC Profile management
- Thumbnails flow
- Production environment: login, metadata tagging, METS outputs
- Multilingual operator interface
- Embedded image processings (live deskew, live cropping, finger masking, details enhancement, contrast enhancement…)

Technical Specifications

Type	A1+ planetary book scanner
Camera	Tri-linear sensor Automatic Focus (HD model)
Optical resolution	400 x 400 dpi on A1 format 600 x 600 dpi on A1 format (HD model)
Scan time	• 6 sec at 300 dpi • 12 sec at 300 dpi - HD model • 8 sec 400 dpi • 16 sec 400 dpi - HD model • 24 sec at 600 dpi - HD model
File formats	TIFF, TIFF (multipage) , JPEG, JPEG2000, BMP, PDF, PDF (multipage), PNG, DNG
Interface software	LIMB Capture operated by Windows 7, 8, 10 / 64 bits

Accessories	Motorized book cradle 25 or book cradle 40
	 • Scanning area :
	    Book cradle 25 or 40: up to 900 x 630 mm / 43.3 x 24.8 in. (open book)
	 • Quartz A1
	    Book cradle 25 or 40: up to 900 x 618 mm / 43,3 x 24,3 in (open book)
	 • Quartz A1 HD
	    scanning up to 1250 x 850 mm (49,2' x 33,5' in) - without glass plate
	 • Document thickness :
	    up to 25 cm / 9.84 in // up to 40 cm / 15.75 in.
	 • Document weight :
	    up to 25 kg / 55.12 lb // up to 40 kg / 88.18 lb.

Dimensions (L x l x h)	Scanner : 1990 mm (78,3") x 1620 mm (63,7") x 1840 mm (72")
Weight	Scanner (with BC25) 301 kg (683,4 lbs) Book cradle 40: 280 kg (617,3)
Power requirements	100v – 240v , 50Hz 60Hz 500 VA max
Warranty	1 year on spare parts and software updates, extendable to up to 5 years
Certifications	CE / FCC part 15 conformity, Low voltage electrical safety EN60950 radioelectrical disturbances EN55022, EN61000 -3-2, EN61000-3-3 electromagnetic immunity EN55024

About i2S
SOLUTIONS FOR YOUR DIGITIZATION PROJECTS

i2S is a company specialized in image capturing and processing technology.

We work for international clients, on a wide range of markets like: health and well-being, sport, software, document digitization, food-processing and agriculture, aviation and aerospace, robotics and industrial control systems, and more generally, wherever image capturing is required.

i2S creates and markets a whole range of scanners and software intended for historical archives and bound documents digitization and promotion.
Most of our customers are content owners such as museums, libraries, archives, administrations and a few large companies.

Our clients value our innovative solutions which encompass the complete process of a digitization project: capturing, processing, enriching and sharing. In order to meet the need for digitizing varied and precious collections, we designed the largest range of book scanners on the marketplace – from the smallest size to 2A0 format, including robot scanners.

Today, more than 4.000 book scanners are installed at more than 1.000 customers' sites around the world.

At i2S we work with passion and dedication for our customers, taking up the challenge of putting innovation at the service of digitization projects efficiency.