



# SupraScan

## Quartz A1

## Quartz A1 HD

EXCELLENCE AT YOUR FINGERTIPS

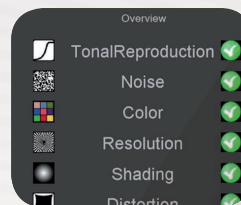


be visionary

## SupraScan Quartz A1 and Quartz A1 HD: the best image quality scanner

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

SupraScan Quartz A1 and Quartz A1 HD are **compliant with ISO 19264-1/A, Metamorfoze Full and FADGI 4\*** standards.

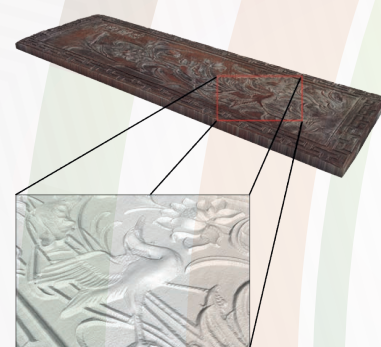


## 15 years of innovation to reach the highest level in terms of fine reproduction

The SupraScan Quartz A1 and Quartz A1 HD offer innovative features like the relief enhancement and glare control system. Thanks to optical and lighting innovation, **relief enhancement feature enables perfect reproduction of works of art** such as paintings, drawings and antique works of art; **glare control feature enables scanning any glossy documents** even blister poched document.

The SupraScan Quartz A1 and A1 HD embed a **new 3D scanning technology feature**, based on advanced Photometric Stereo algorithms and images analysis. This new scanning solution has been developped for librairies, archives, museums, fine art reproduction and decor industry.

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



## Some references - They trust our solutions





## 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)

## 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

## Productivity

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

## Large format

- up to 1030 x 630 mm ( 40.5" x 24.8" in) - Quartz A1
- up to 1030 x 618 mm ( 40.5" x 24.3" in) - Quartz A1 HD

Compliant with ISO 19264-1/A, Metamorfoze Full and FADGI 4\* standards



Optional  
V Book Holder  
(2xA2 or 2xA1)

## 3D Scan Technology\*

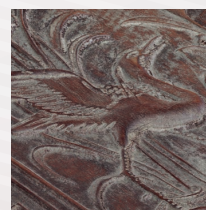
SupraScan Quartz A1 and Quartz A1 HD embed a revolutionary 3D scan technology.

Best 3D imaging solution for documents with relief and embossed surfaces like:

- Coins
- Wallpapers
- Writing tablets
- Paintings
- Grain of the wood
- Graphics collections
- Fossils
- Book covers

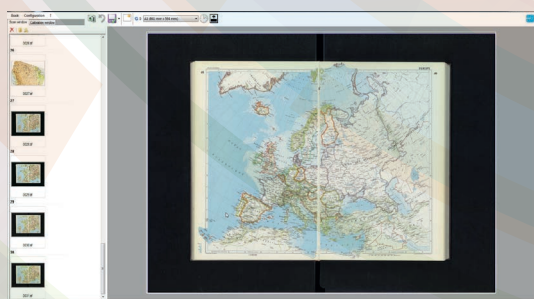
Multiple file output:  
2D high quality color images  
3D file (.OBJ) such as :

- High Resolution – digital archiving
- Medium resolution – 3D printing
- Low resolution – share on digital library



\*Contact us for availability

## Software



- 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+ format 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	<ul style="list-style-type: none"> <li>• 6 sec at 300 dpi</li> <li>• 8 sec 400 dpi</li> <li>• 24 sec at 600 dpi - HD model</li> <li>• 12 sec at 300 dpi - HD model</li> <li>• 16 sec 400 dpi - HD model</li> </ul>
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
Book cradle	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 300 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.



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