

QUARTZ A0
300x300 dpi optical
8.5 s. on A0
format color

QUARTZ A0^{HD}
600x600 dpi optical
Up to 9lp/mm



“Better, Faster, Sharper”

i2S
innovative imaging solutions



IMAGE QUALITY

Metamorfoze compliant
Up to 1000 x 1000 dpi optical



LARGE

1250 mm x 870 mm
(> DIN A0/E)



FAST

8.5 seconds
for 300 x 300 dpi



VERSATILE

Optional: vacuum table, book
cradle, A0 glass plate



RELIEF

A unique lighting to enhance
documents and objects relief



SMART

Automatic calibration
and automatic focus

SUPRASCAN™ STANDARD

Since the beginning, the SupraScan™ range has been developed to achieve the highest level of benefits. This new SupraScan™ generation called “QUARTZ” has been optimized and comes today with the best solution with all in one: **image quality, productivity, ergonomics, versatility of uses, reliability and document preservation.**

IMAGE QUALITY: 35 YEARS OF KNOWLEDGE

i2S DigiBook is part of the i2S company internationally well-known in industrial vision. i2S high level of knowledge in image technologies (sensors, optics, electronics, lighting, image processing) allows i2S DigiBook to offer you the best components to design its premium cameras.

CAMERA QUARTZ A0



- > The new CCD camera offers a 600 x 600 dpi optical resolution on A0 format.
- > Resolution efficiency goes up to 16 lp/mm at 1000 x 1000 dpi
- > Images are compliant with Metamorfoze standard.
- > Focus is motorized and automatic.
- > No image distortion: distance and angle between the camera and the document is fixed and the camera is always perpendicular to the document.

SupraScan™ QUARTZ A0 is the third generation of the i2S DigiBook's SupraScan™ range that has been sold successfully around the world for years.

SupraScan™ QUARTZ A0 has been developed with a very simple frame of mind: *“Learn from the past, learn from your customers, be smart with technologies and no compromises!”*.

This is why today you are facing the most reliable and efficient scanner bringing you all you need to make your digitization projects successful and makes you confident and satisfied for long time.



METAMORFOZE COMPLIANCE

Metamorfoze Preservation Imaging Guidelines are international specifications of technical criteria and tolerances for imaging preservation.

SupraScan™ QUARTZ A0 is fully compliant with Metamorfoze guidelines. These results have been achieved working with the standard SupraScan™ software and with Profile Maker modules to create the scanner ICC profile. All criteria and specifications are correctly reached!

RELIEF ENHANCEMENT

The SupraScan™ QUARTZA0 has the ability to digitize using only one lateral light (right or left). This exclusive feature allows you to enhance the relief of documents or objects and give a better value to your images.



Uniform light

Relief enhanced

SOFTWARE

- > An easy to use GUI (Graphical User Interface).
- > Multiple saving frames with customized outputs.
- > Thumbnails flow to check/delete/add/insert images.
- > Production environment: login, metadata tagging, METS outputs...
- > Operates on Windows 7, 64 bits platforms.

SMART SCANNER

- > Automatic calibration mode (assisted and manual modes also available).
- > Batches of image processing and compression.
- > Automatic and real-time image quality control.
- > Easy integration into workflow solutions.
- > A remote maintenance function.



SUPRASCAN REFERENCES

Since 2004, more than **600 SupraScan™** have been sold worldwide to about **400 customers**:
libraries, archives, universities, academies,
town halls as well as services providers or other private structures.

"The SupraScan™ is a safe and fast scanner that produces high quality work consistently. The robust design requires little maintenance. The combination of impeccable image quality, high scanning speed and ergonomics ensure comfortable working for high quality results. In addition to the scanner i2s CopiBook in our digitization workflow, the SupraScan™ allows significant efficiency gains and increased the productivity of our digital projects".

Martin LIEBETRUTH, Technical advisor and co-head of digitization strategies for the Göttingen Scan Centre (GDZ), State and University Library Goettingen, Germany.

"Since mid 2004, we are heavily using the SupraScan™ scanner purchased from i2S. After 6 years of use to digitize our old books and manuscripts, this machine is still working properly. I recommend i2S as their machines are robust and reliable. The images provided by this scanner are very good. Hence, the machine is easy to use and user-friendliness, allowing to be manipulated by many operators".

Sarifah ABDULLAH,
Chief of Digitization Projects, IIUM Library, Malaysia

 **National Library of France (France)**
 **Municipality Archives of the Hague (Netherlands)**
 **Ministry of Culture (Russia)**
 **Toppan Printing (Japan)**
 **National Archive of Argentina (Argentina)**
 **University of Southampton (UK)**
 **Royal Botanic Garden (Spain)**

 **Library of Congress (USA)**
 **State Archives of Venice (Italy)**
 **University of Miami (USA)**
 **Bibliotheca Alexandrina (Egypt)**
 **National Library of Uganda (Uganda)**
 **National Library of Iraq (Iraq)**
 **National Library of Norway (Norway)**

TECHNICAL SPECIFICATIONS

DIGITIZATION

TYPE	Planetary scanner
MODELS	SUPRASCAN™ QUARTZ A0 SUPRASCAN™ QUARTZ A0 HD
CAMERA	Tri-linear CCD sensor Automatic Focus
OPTICAL RESOLUTION	600 x 600 dpi optical on A0 format
OUTPUT	24 bits for color, 8 bits in grayscale, 1 bit in binary
STANDARDS	Compliant with Metamorfoze and FADGI standards
LIGHTING	High frequency fluorescent lamps, adapted to matt and bright documents.
LIGHTING CORRECTION	Embedded and in real-time

SIZES HANDLED

FORMATS	DIN A0 / E
MAXIMUM DIMENSIONS	870 mm (34.2") (h) x 1250 mm (49") (w)
MAXIMUM THICKNESS	25 cm (7.8") – 50 cm (19.7") (with optional book cradle)
MAXIMUM WEIGHT	25 kg (55 lbs) – 40 kg (88 lbs) (with optional book cradle)

IMAGES

MIN. SCREEN RESOLUTION	1920 (w) x 1080 (h) pixels (Full HD)
ENHANCEMENTS	Manual deskew, sharpen filter, white balance
STORAGE	Fast data transfer to local hard drive or network
FILE FORMATS	TIFF, TIFF G4, TIFF Multipage, TIFF LZW, DNG, PNG, JPEG, JPEG 2000, PDF

OTHERS

WARRANTY	12 months hardware and software warranty included Warranty extensions available up to 5 years
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SCAN TIME

300 x 00 dpi optical	8.5 s on A0 format
400 x 400 dpi optical	22,5 s on A0 format
600 x 600 dpi optical	34 s on A0 format

SOFTWARE

PLATFORM	Windows 7, 64 bits
LANGUAGES	Multilingual operator interface
SAVING	Images saved during scanning process
SCAN SEQUENCES	Next scan launched immediately after the previous scan is done
IMAGE CONTROL	Images displayed during scanning
COLOR PROFILE	ICC profile management
IMAGE PROCESSING	Processing and compression during scanning
OPTIONAL PROCESSING	Batch of image processing: page splitting, cropping, deskew, book fold correction, finger masking, smart binarisation, areas detection, etc.) Batch of image compression

ACCESSORIES

INCLUDED	Suprascan workstation server with scanner interface board ICC chart Usb footswitch
OPTIONAL	Motorized A1 book cradle 25 Motorized A1 glass plate with pressure control Motorized A0 book cradle 50 Assisted A0 glass plate A0 vaccum table

PHYSICAL CHARACTERISTICS

DIMENSION (excluding PC)	2220 mm (w) x 1550 mm (d) x 2220 mm (h) 87.40" (w) x 61.02" (d) x 87.40" (h)
TOTAL WEIGHT	170 kg (375 lbs)
ELECTRICAL POWER	220 V – 50 Hz, 110 V – 60 Hz 300 VA max
OPERATING TEMPERATURE	Between 10°C / 50°F and 30° / 86°F
CERTIFICATIONS	CE / FCC part 15 conformity Low voltage electrical safety EN60950 radioelectrical disturbances EN55022, EN61000-3-2, EN61000-3-3 electromagnetic immunity EN55024