

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

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



SupraScanTM

QUARTZ A0

“Better, Faster, Sharper”



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.



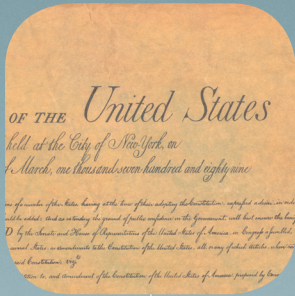
METAMORFOZE COMPLIANCE

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

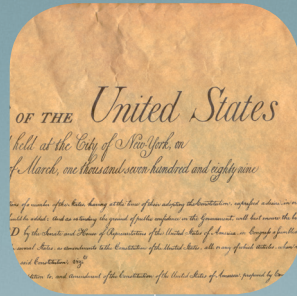
SupraScan™ QUARTZ A0 is fully compliant with Metamorfoze guidelines. These results have been achieved working with the standard SupraScan™ software and with Profile Maker modules to create the scanner ICC profile. All criteria and specifications are correctly reached!

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

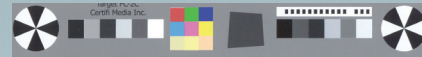


SOFTWARE

- > 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 |
|-----------------|---|

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 |



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