

# SUPRASCAN

## QUARTZ 2A0 LED

***THE ULTIMATE SCANNER  
FOR OVERSIZED DOCUMENTS***



**i2S**  
be visionary

# COMBINING HIGH IMAGE QUALITY AND ERGONOMICS FOR OVERSIZED DOCUMENTS AND PAINTINGS



As part of i2S Group internationally well-known in industrial vision, i2s has a high level of knowledge in image technologies mastering perfectly sensor, optics, electronics, lighting and image processing technologies. So, SupraScan QUARTZ HD 2A0 reaches the first level of image quality in term of resolution efficiency color rendering (equipped with a height/resolution detection sensor) and noise.

SupraScan QUARTZ HD 2A0 scanner is compliant with both **FADGI** and **Metamorfoze** international preservation imaging guidelines, and digitizes up to 800x800 dpi optical.

The SupraScan Quartz 2A0 offer **innovative features** like **the relief enhancement** and **glare control system**. Thanks to optical and lighting innovation, relief enhancement features 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 packed document.

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

**Easy and powerful, SupraScan QUARTZ HD 2A0 offers the best conditions for digitizing day after day.**

For making easier to position large and delicate works, the SupraScan QUARTZ HD 2A0 scanner is equipped with a motorized cradle, upwards and downwards mobility. It can support **weights up to 100 kg, and the scan level can reach 100 mm.**

In addition, all aspects have been studied to maximize operators' productivity and comfort: command panel location, scan process, lighting configuration (below the operator's eyes level), accessibility from 3 sides, easy-to-use software interface, and completely silent scanner

SupraScan QUARTZ HD 2A0 is the largest scanner digitizing with the greatest respect to the original



## Some references - They trust our solutions





# Advantages

- IMAGE QUALITY** - compliant with **Metamorfoze** and **FADGI (4\* at 300 dpi)**  
- A Quartz HD camera reaching up to 800 x 800 dpi optical with no image distortion
- LARGE** - up to 1800 mm (70.8") x 1200 mm (47.2")
- PRODUCTIVITY** - scan time on 2A0 format = 32s at 400 x 400 dpi optical  
- scan time on 2A0 format = 24s at 300 x 300 dpi optical  
- scan time on 2A0 format = 24s at 400 x 400 dpi optical
- CONFIGURABLE** - Motorized with electronic commands (no air compressor) and has a glass plate with automated pressure and controls on the book.  
- The scan can be done **without contact on the document**  
- The constant level of the document simplifies the daily use of the scanner by eliminating the need to setup the camera for each document.
- LIGHTING** - no UV, no IR  
- glare control  
- relief details enhancement  
- no warm up
- CAMERA** - Height & focus motorized adjustment
- EASY-TO-USE** - driven by LIMB Capture software  
- multiple saving frame with customize outputs
- SAFE** - glass stop if any obstacle  
- non-dazzling LED lighting  
- Security sensors detect intrusions between the glass plate and the book cradle and release pressure or stop the glass plate move.
- AUTOMATIC** - automatic calibration  
- Motorized book cradle and glass plate

## Software



LIMB Capture allows saving **simultaneously several formats with frames properties**. Frames properties include file formats, destination and image processing.

LIMB Capture manages **ICC profiles**, in order to get a perfect color management of our images.

Calibration is very easy and fine tune settings are accessible.

Production environment: login, metadata tagging, METS outputs and so on.





# Technical Specifications

<u>Type</u>	2A0 format planetary book scanner
<u>Camera</u>	Tri-linear sensor
<u>Optical resolution</u>	400 x 400 dpi optical on 2x0 format 200 x 200 dpi to 800x800 dpi
<u>Scan time</u>	scan time on 2A0 format = 32s at 400 x 400 dpi optical scan time on 2A0 format = 24s at 300 x 300 dpi optical scan time on 2A0 format = 24s at 400 x 400 dpi optical
<u>File formats</u>	TIFF (multipage) , JPEG, JPEG2000, BMP, PDF (multipage), PNG, DNG
<u>Interface software</u>	Yooscan, operated by Windows 7, 8, 10 / 64 bits
<u>Accessories</u>	USB footswitch, ColorCheker 24 patches test chart; PC; mouse and keyboard;
<u>Dimensions (L x l x h)</u>	Scanner : L 2650mm (104.33") x l 1950 mm (76.8") x h 2300 mm (90.6")
<u>Weight</u>	Scanner : 927 kg (2,039.4 lbs)
<u>Power requirements</u>	220 V – 50 Hz, 110 V – 60 Hz 300 VA max
<u>Warranty</u>	1 year on spare parts and software updates, extendable to up to 5 years
<u>Certifications</u>	CE / FCC part 15 conformity Low voltage electrical safety EN60950 radioelectrical disturbances EN55022, EN61000 -3-2, EN61000-3-3 electromagnetic immunity EN55024

The information on this brochure is subject to change without notice V2 June 2018

## 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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