

400x400 dpi
on A1 format;
6.7 lp/mm
Metamorfoze and
FADGI compliance



SUPRASCAN™ QUARTZ A1V

“Just smile... you are in the best hands!”



innovative imaging solutions

BEST IMAGE QUALITY SOLUTION FOR FRAGILE BOOKS



SupraScan QUARTZ ^{A1V} completes SupraScan QUARTZ range developed by i2S and successfully sold around the world for years. This SupraScan QUARTZ ^{A1V} is dedicated to bound documents requiring to be digitized partially opened.

SupraScan QUARTZ ^{A1V} is a digitization solution to all old and fragile bound documents event with fold-out pages.

BEST IMAGE QUALITY

As part of i2S Group internationally well-known in industrial vision, i2s DigiBook has a high level of knowledge in image technologies mastering perfectly sensor, optics, electronics, lighting and image processing technologies. **So, SupraScan QUARTZ ^{A1V} reaches the first level of image quality** in term of resolution efficiency color rendering and is compliant with both **FADGI** and **METAMORFOZE** international preservation imaging guidelines. SupraScan Quartz A1 V digitizes up to 1000 x 1000 dpi optical.

RESPECTING BOOKS

For making easier to digitize large and fragile works, the SupraScan QUARTZ ^{A1V} is equipped with a **bookcradle fitted with an angle opening from 95° to 120°** and a **glass**. Both have been developed for documents' safety and receptiveness. Also, SupraScan QUARTZ ^{A1V} is equipped with YooScan software including a **"Glass secure mode"** for adjusting and controlling both speed and height of the glass. SupraScan QUARTZ ^{A1V} digitizes only the side hold by the glass plus 1 cm of the other side. This ensures capture of all information even in the books' gutter.



BEST IMAGE QUALITY

400x400 dpi optical
on A1 format in color; FADGI
& METAMORFOZE compliance



LARGE

Scanning up to 900 x 630 mm
(35.43 x 24.8 in.)



LIGHTING

Relief details enhancement;
adjustable lighting angle;
Glare control



SAFE

Glass up if any obstacle;
No lights in the operator's eyes



RESPECTFUL

Glass pressure control;
Free from UV and IR emissions



SMART

Automatic calibration

IMAGE IMPROVEMENT

SupraScan QUARTZ^{A1V} is equipped with LED lightings renowned for long life and free of UV and IR. Lighting below the operator's eyes level, lights only switched on during the scan time. Also they can be controlled for enhancing relief and controlling glares.

RELIEF ENHANCEMENT

The SupraScan QUARTZ^{A1V} 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.



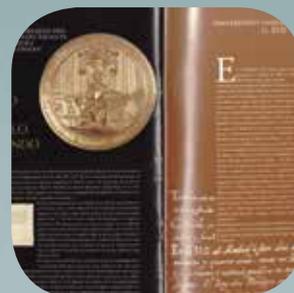
Uniform light



Relief enhanced

GLARE SYSTEM CONTROL

The SupraScan QUARTZ^{A1V} offers an innovative feature preventing glares even on highly reflective documents (glossy paper, plastic blister, oil paintings, Mylar, etc.). This is an exclusive hardware solution (lighting system and optical head) and not a software processing.



No glares control



With glares control

ABOUT I2S DIGIBOOK

I2S DIGIBOOK is the leading manufacturer of digitizing solutions offering high resolution book scanners, image processing software, content conversion solutions, digital libraries software and complete digitizing solutions.

TECHNICAL SPECIFICATIONS

DIGITIZATION

TYPE	Planetary scanner
MODELS	SUPRASCAN™ QUARTZ A1V
CAMERA	Tri-linear CCD sensor
OPTICAL RESOLUTIONS	400 x 400 dpi optical on A1 format
A1 (ANSI D)	300 x 300 dpi to 400 x 400 dpi
A2 (ANSI C)	300 x 300 dpi to 600 x 600 dpi
A3 (ANSI B)	300 x 300 dpi to 800 x 800 dpi
A4 (ANSI A)	300x300 dpi to 1000 x 1000 dpi
	More than 5 lp/mm at 300 x 300 dpi More than 6,7 lp/mm at 400x400 dpi
OUTPUT	24 bits for color, 8 bits in grayscale, 1 bit in binary
LIGHTING	Long life LED lighting system with no UV or IR emission Relief enhancement on documents or objects No glares even on highly reflective documents
LIGHTING CORRECTION	Embedded and in real-time

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

SCAN TIME

400 x 400 dpi optical on A1 format	7,9 s
600 x 600 dpi optical on A2 format	8,5 s

SIZES

FORMATS	Over DIN A1 / D (2 x A2)
MAXIMUM DIMENSIONS	900 mm (35.43") x 630 mm (24.8")
MAXIMUM THICKNESS	25 cm (7.8") or 40 cm (15,75)
MAXIMUM WEIGHT	25 kg (55 lbs.) – 40 kg (88.18 lbs.)

OTHERS

ACCESSORIES INCLUDED	Motorized book cradle 25 or book cradle 40 Motorized glass plate with pressure control; ICC chart; Footswitch, mouse, keyboard
WARRANTY	12 months hardware and software warranty including: Hardware warranty (spare parts exchange or repair), technical assistance (support & diagnosis), software updates

PHYSICAL CHARACTERISTICS

DIMENSION (including book cradle 25, excluding PC)	L 1990 mm (78.3") x l 1620 mm (63.7") x h 1840 mm (72.4")
TOTAL WEIGHT (including book cradle 25)	310 kg (683.4 lbs)
ELECTRICAL POWER	220 V – 50 Hz, 110 V – 60 Hz 500 VA max
OPERATING TEMPERATURE	Between 10°C / 50°F and 30° / 86°F
CERTIFICATIONS	CE / FCC part 15 conformity Low voltage electrical safety EN60950 radio electrical disturbances EN55022, EN61000-3-2, EN61000-3-3 electromagnetic immunity EN55024



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The information on this brochure is subject to change without notice. v1.8 January 2016