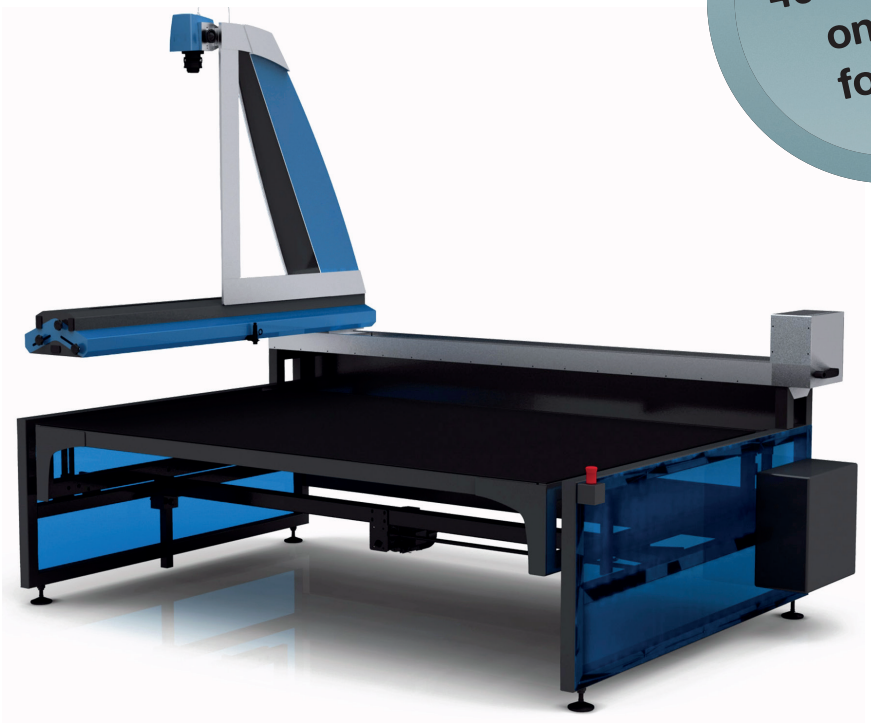
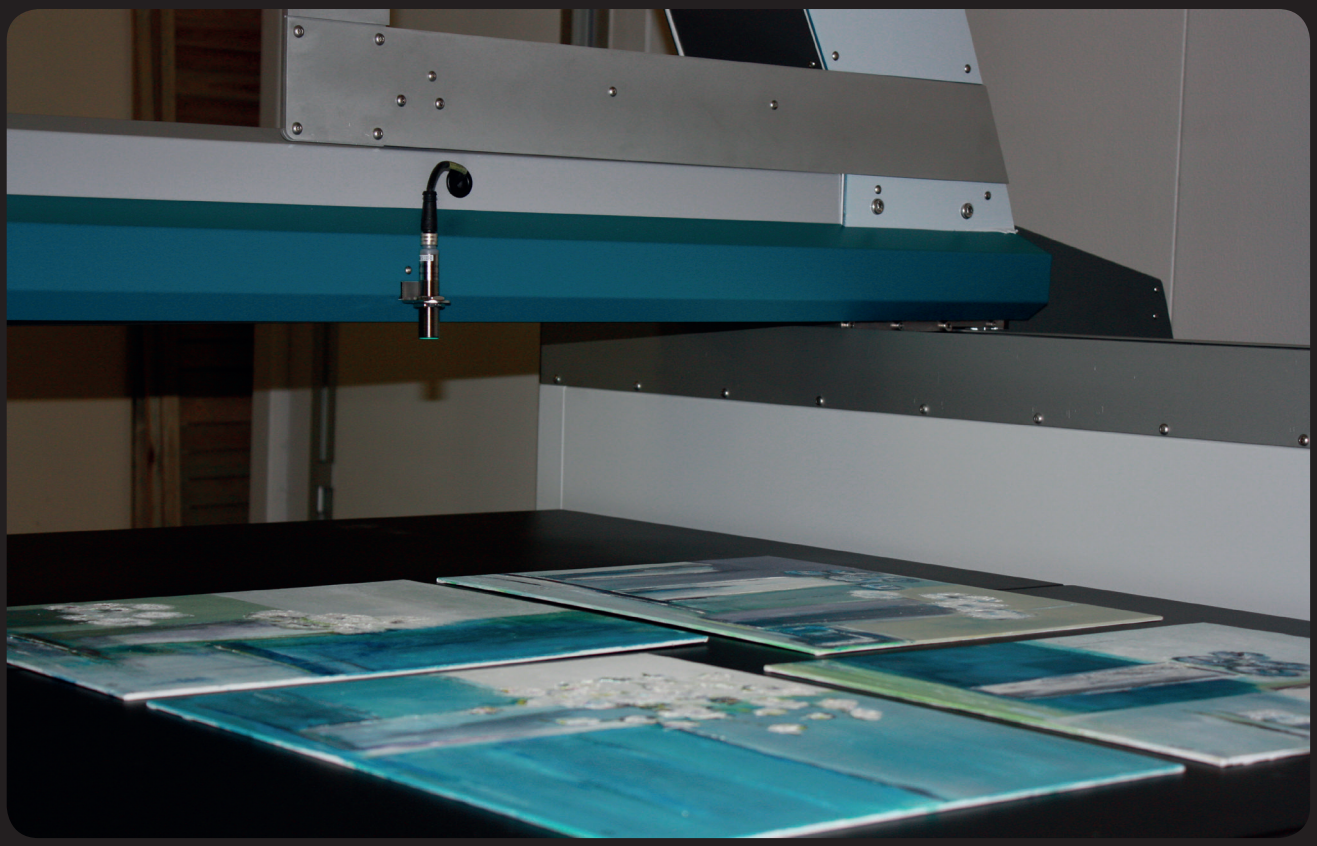
400x400 dpi
on 2A0
format



SupraScan™

QUARTZ HD 2A0

DigiBook



COMBINING HIGH IMAGE QUALITY AND ERGONOMICS FOR OVERSIZED DOCUMENTS AND PAINTINGS

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

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 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.

GENTLE & ERGONOMICS

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

LARGE
Scanning up to 1800 x 1200 mm
(70.8 x 47.2 in.)

HIGH IMAGE QUALITY
400x400 dpi optical on 2A0;
FADGI (4 * at 300 dpi)
& METAMORFOZE compliance

LIGHTING
Relief details enhancement;
adjustable lighting angle;
Glare control

ERGONOMIC
2A0 format tray (pull & push);
accessible from 3 sides

RESPECTFUL
Free from UV and IR emissions;
preservation of fragile
and rare materials

SMART
Motorized focus & camera;
motorized tray (up & down)

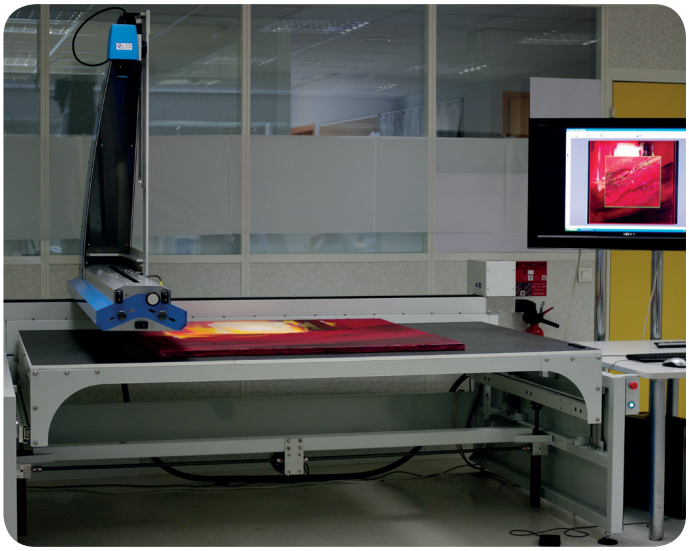
EXTREME PRECISION

SupraScan QUARTZ HD 2A0 digitizes with an extreme precision thanks to:

> A Quartz HD camera reaching up to 800 x 800 dpi optical with no image distortion;

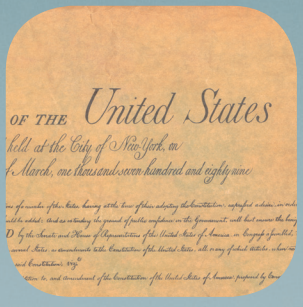
> LED lightings providing illimited numbers of configurations and adjustable angles

> An ultrasound sensor calibrated for measuring the ideal distance between the camera and the work (with or without frame)

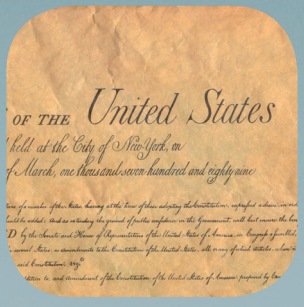


RELIEF ENHANCEMENT

The **SupraScan** QUARTZ HD 2A0 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 HD 2A0 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

TECHNICAL SPECIFICATIONS

DIGITIZATION

TYPE	Planetary scanner
MODELS	SUPRASCAN™ QUARTZ HD 2A0
CAMERA	Tri-linear CCD sensor
OPTICAL RESOLUTIONS	400 x 400 dpi optical on 2x0 format 200 x 200 dpi to 800x800 dpi
OUTPUT	24 bits for color, 8 bits in grayscale, 1 bit in binary
INTERNAL MODE	36 bits in color and 12 bits in greyscale
LIGHTING	Long life **LED** lighting system with no UV or IR emission **Relief enhancement** on documents or objects Indirect with power & right/left setting by software; **Adjustable lighting angle** (manual); **Anti-glare** mode; Lighting below the operator's eyes level
LIGHTING CORRECTION	Embedded and in real-time
DRIVERS	API

SOFTWARE

PLATFORM	Windows 7, 64 bits
SAVING	Images saved during scanning process
SCAN SEQUENCES	Next scan launched immediately after the previous scan is done
IMAGE CONTROL	Images displayed during scanning
CAMERA	Height & focus motorized adjustment
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 2A0 format	**32 s**
300 x 300 dpi optical on 2A0 format	**24 s**
400 x 400 dpi optical on A0 format	**24 s**

SIZES

FORMATS	Over 2 x DIN A0 / E (2A0)
MAXIMUM DIMENSIONS	1800 mm (70.8") x 1200 mm (47.2")
MAXIMUM THICKNESS	100 mm (39.4")
MAXIMUM WEIGHT	100 kg (220 lbs)

OTHERS

ACCESSORIES INCLUDED	USB footswitch, ColorCheker 24 patches test chart; PC; mouse and keyboard;
ACCESSORIES OPTIONAL	2xA0 vacuum plate 16:9 flat screen 23" full HD
WARRANTY	12 months hardware and software warranty including: Hardware warranty (spare parts exchange or repair), technical assistance (support & diagnosis), software updates

PHYSICAL CHARACTERISTICS

DIMENSION	L 2650mm (104.33") x l 1950 mm (76.8") x h 2300 mm (90.6")
TOTAL WEIGHT	927 kg (2,039.4 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 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. v1.0 October 2014