

Quartz
A1 & A1 HD

Unequalled image quality,
without compromising speed

Digibook

Heritage digitization



Quartz
A1 & A1 HD

Scanners with line sensors

Versatile
Lighting system

Reflection management
✓ *Best solution for gold & books illuminations*

Glare free system
✓ *Digitize highly reflective documents*

Light intensity and **left/right adjustments**
✓ *Enhancement of relief on documents or objects*

Color rendering index **97**
✓ *Excellent colour reproduction*

Professional **UV/IR free** system
✓ *No damage to documents*



Glare control system



Relief enhancement

3D Technology

Documents with relief,
Embossed surfaces
Engraved tablets,
Paintings, ...







Real-time preview

✓ *Instant Control*
✓ *Time-saving*
✓ *On-demand functionality*

The highest level *of image quality*

Tri-linear RGB sensor

✓ *No moiré pattern*

Camera remains perpendicular to the document center

✓ *No distortions*

MTF at **600 dpi : >90%** resolution efficiency **(>10,6lp/mm)**

✓ *For the largest documents (A1)*

MTF at **1000 dpi : >90%** resolution efficiency **(>18lp/mm)**

✓ *For the smallest documents*





Quartz A1 HD is compliant with **ISO 19264-1/A, Metamorfoze Full** and **FADGI 4*** standards.

Scan Format

Quartz A1: up to 1030 x 643 (mm) / (40.5" x 25.3")

Quartz A1 HD: up to 1030 x 618 (mm) / (40.5" x 24.3")

High level of *productivity and ergonomics*

Scan time for A1 & A1 HD: **6s** at 300 dpi
Scan time for A1 HD: **12s** at 600 dpi

✓ *Cycle time divided by two on HD models*

USB 3.0 output

✓ *Large choice of PC*

No mechanical camera shutter

✓ *Less spare parts, more reliable scanners*

Complete and optimized Book cradle

Book thickness: up to **25 cm or 40 cm**

✓ *Several options to accomodate different collection types*

Pressure sensor and **Roberval balance system**

✓ *Protection of your delicate materials*

Automatic and **removable glass plate**

✓ *Combination of high productivity and ergonomics*

Accessory : **V-Book holder** 2xA2 and 2xA1

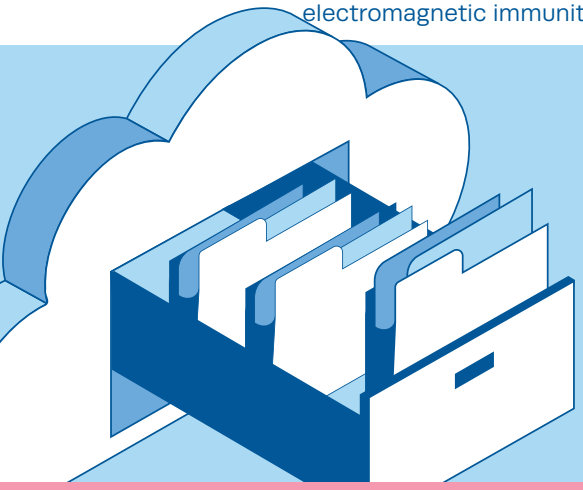
✓ *Digitization at a restricted angle*

Quartz
A1 & A1 HD

Technical specifications



TYPE	A1+format planetary book scanner	
CAMERA	Tri-linear sensor Automatic Focus (HD Model)	
OPTICAL RESOLUTION	400 x 400 dpi on A1 format / 600 x 600 dpi on A1 format (HD Model) up to 1000 x 1000 dpi on smallers formats (standard & HD Models)	
SCAN TIME	6 sec at 300 dpi 8 sec at 400 dpi	6 sec at 300 dpi – HD Model 8 sec at 400 dpi – HD Model 12 sec at 600 dpi – HD Model
FILE FORMATS	TIFF (multipages), JPEG, JPEG2000, BMP, PDF (multipage), PNG, DNG	
INTERFACE SOFTWARE	Limb Capture operated by Windows 10, 11	
BOOK CRADLE	Motorized book cradle 25 cm or book cradle 40 cm Scanning area: – Quartz A1: up to 1030 x 643 (mm) / 40.5" x 25.3" (open book) – Quartz A1 HD: up to 1030 x 618 (mm) / 40.5" x 24.3" (open book) Document thickness: up to 25cm / 9.84" // up to 40 cm / 15.75" Document weight: up to 25kg / 55.12 lb // up to 40 kg / 88.18 lb	
DIMENSIONS (L X l X h)	Scanner with BC : 1990 mm (78.3") x 1620 mm (63.7") x 1840 mm (72")	
WEIGHT	Scanner (with BC25): 310 kg (683.4 lbs)/ Scanner (with BC40): 335kg (738.5 lbs)	
POWER REQUIREMENTS	100V – 240V AC, 50/60 Hz / 500 VA max	
WARRANTY	1 year on spare parts and software updates (extension available).	
CERTIFICATIONS	CE/FCC part 15 conformity, Low voltage electrical safety EN 62368-1 radioelectrical disturbances EN55022, EN61000-3-2, EN61000-3-3 electromagnetic immunity EN 55024	



LIMB™ CAPTURE · LIMB PROCESSING · LIMB GALLERY · LIMB MAESTRO

The scanner is compatible with all Digibook software

About Digibook

50 international *partners*

5000 scanners *sold worldwide*

+ 10 millions *scanned pages per year*

Digibook

28, rue Jean Perrin
33600 Pessac, France

www.i2s-digibook.com