

DigiBook QUARTZ

Large Format Book Scanner

Designed For Performance



The DigiBook QUARTZ is the third generation of the i2s DigiBook range that has been installed at digitization departments around the world for 7 years.

The new DigiBook QUARTZ has taken the qualities from past models that have made them so successful and added some great new intuitive features. That is why today, i2s is offering the most reliable and efficient scanner that brings everything you need to make your digitization projects successful. The QUARTZ uses the optimal level of image quality, scan time, and ergonomics to give you the most complete planetary scanner on the market.

The DigiBook QUARTZ features outstanding productivity due to the bi-directional scanning and the automated pressure sensitive scan glass. The QUARTZ^{HD} can scan an A1 (36"x25") size document at a true optical 300 dpi in 6 seconds and at 600 dpi in just 23.8 seconds.

In addition, the system can be configured with numerous accessories such as book cradles, 120° book holder, back light, and an optional pressure sensitive glass plate. Each accessory complements the scan quality while preserving the document's integrity.



Features

New Lighting System (A1):

- Long Life LED Lighting
- No UV or IR emissions
- Relief enhancement system
- Exclusive glare free system
- Lighting below operator's eye level

Smart Scanner:

- Automatic calibration mode (assisted and manual modes also available)
- Batch image processing and compression
- Automatic and real-time image quality control
- Easy integration into workflow solutions
- A remote maintenance function

New Software:

- A new easy to use GUI (Graphical User Interface)
- Multiple saving frames with customized outputs
- Thumbnail flow to check, delete, add, or insert images
- Operates on Windows 7, 64 bit platforms

Easy connection with library software (TWAIN and API drivers)

New Camera (QUARTZ^{HD}):

- New CCD that offers true optical 600 dpi on A1 format, 800 dpi on A2 format, and 1000 dpi on A3
- Images are fully compliant with Metamorfoze standards
- 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

Glare Control System:

The **DigiBook QUARTZ^{A1}** offers an innovative feature that prevents 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 performed through software processing

DigiBook QUARTZ Technical Specifications

Digitization			
MODELS	DigiBook QUARTZ A1	DigiBook QUARTZ A1 HD	DigiBook QUARTZ A0
RESOLUTIONS	300-600 dpi	300-1000 dpi	300-1000 dpi
LIGHTING	Long life LED lighting systems with no UV or IR emissions Provides relief enhancement on document or objects Will not produce any glare even on highly reflective documents		High frequency fluorescent lamps with adjustable light intensity
CAMERA	Tri-linear CCD sensor with Automatic Focus (QUARTZ^{HD})		
OUTPUT	24 bits for color, 8 bits in greyscale, 1 bit binary		
STANDARDS	Compliant with Metamorfoze and FADGI standards		
LIGHTING CORRECTION	Embedded and in real-time		
DRIVERS	TWAIN - API		

Software	
PLATFORM	Windows 7, 64 bit
PANGUAGES	Multilingual operator interface
SAVING	Images saved during scanning process
SCAN SEQUENCES	Next scan is launched immediately after the previous scan is done
IMAGE CONTROL	Images displayed during scanning
IMAGE PROCESSING	Processing and compression during scanning
OPTICAL PROCESSING	Batch image processing, page splitting, cropping, deskew, curvature correction, finger masking, smart binarisation, areas detection, batch image compression

Physical Characteristics	
DIMENSIONS (EXCLUDING PC)	78.3 in.(L) x 63.7 in.(W) x 72.4 in.(H)
TOTAL WEIGHT	683.4 lbs
ELECTRICAL POWER	110 V - 60 Hz, 300 VA max
OPERATING TEMPERATURE	Between 10°C/50°F and 30°C/86°F

Scan Time	
300x300 DPI	6.0 sec on A1 format
400x400 DPI	7.9 sec on A1 format
600x600 DPI	23.8 sec on A1 format

New Smart Book Cradle

- The book cradle covers a wide range of formats up to 43"x25" (open book)
- Flat table insert for materials up to 25"x36" (A1) or 34"x49" (A0)
- 25 cm option for books up to 55 lbs and 9.8" thick or 50 cm option for books up to 88.1 lbs and 19.6" thick
- Motorized cradle with electronic commands (no air compressor)
- A1 size glass plate with automated pressure controls
- Scan can be performed without using glass plate (easily removable)
- Sensors detect intrusion between the glass plate & book cradle and automatically releases pressure