

**OCR
&
300 DPI**



AGATE

e-SCAN™

“ Smart, intuitive... lovely! ”





e-Scan™ AGATE is the second generation of the first self-service scanning kiosk launched by i2S DigiBook in 2009. After more than 300 e-Scan™ sold all around the world and after many work sessions with users in libraries, town halls, schools and private companies, the new e-Scan™ AGATE comes with unique and brand new features like 300 dpi and embedded OCR (Optical Character Recognition).

This is why, e-Scan™ AGATE is today the most powerful and easy to use scanning kiosk. So, be aware... with the new e-Scan™ AGATE, digitizing will become more than useful... it will become addictive!



STATE-OF-THE-ART OCR

The e-Scan™ AGATE embeds the latest recognition engine and formatting technology. The page analysis is done on the color image, resulting in better zone segmentation. The output is a PDF searchable in mode Image-Text with ability to copy and paste into word processing software.

More than 137 languages are supported including all European languages with Central-European, Baltic, Greek and Cyrillic ('Russian') languages. Add-ons are available for recognition of 4 Asian languages: Japanese, Korean, Traditional and Simplified Chinese and also for Hebrew and Arabic.

Multilingual recognition: the OCR engine recognizes 2 languages on the same document.



SMART

OCR with searchable
PDF outputs



RIGHTS CONTROL

User login
Right & copyright management
Payment management



INTUITIVE

Easy to use interface
on touch screen



ACCURATE

300 dpi with real time preview
and automatic format detection



CONNECTED

Easy IT systems integration
Destination to e-mail, usb,
web, network and printers



CONSERVE

Digitization with non contact
for document preservation

e-SCAN™ STANDARD

e-Scan™ has been designed by i2S DigiBook as the first scanner dedicated to the general public in places such as libraries, universities and schools, archives and town halls, private companies and business centers.

e-Scan™ came onto the market offering innovative features like easy to use touch screen interface, different options to get the digital files (usb, e-mail, network, web) and its professional processing (curvature correction, finger masking, etc.) e-Scan™ has also been developed to be fully compatible with existing networks, card readers and payment terminals.

This new e-Scan™ generation called "AGATE" comes today with new features such as 300 x 300 dpi and embedded OCR (searchable PDF output). Today, e-Scan™ AGATE is the best self-service kiosk on the market defending high added values for the users: OCR, ease of use, connectivity, versatility, image quality... but also for the IT managers: easy network integration, easy rights and profiles management, customizable, economic green technology and reliability.

IMAGE QUALITY: 30 YEARS OF KNOWLEDGE

i2S DigiBook is part of the i2S Group internationally well-known in industrial vision. i2S Group's high level of knowledge in image technologies (sensors, optics, electronics, lighting, image processing) allows i2S DigiBook to offer you the best scanner components and algorithms.

LIGHTING AND NO LIGHTING

These thirty years of experience in capture and image processing allow i2S DigiBook to offer the only self service kiosk scanner able to digitize in ambient light. This exclusive capacity on the market has a direct impact on costs and ergonomics. However, if your scanning conditions require additional light (darkness, non light uniformity), a professional lighting can easily be added in option.

NEW CAMERA



- > A new camera with 300 x 300 dpi on A3++
- > Scan time for A3++ format at 300 x 300 dpi optical:
less than 0,5 s in color
- > Real time preview with automatic format detection
- > Fully automatic focus, exposure and balance
- > Same speed whatever the document format



USERS EXPERIENCE



EASY TO USE INTERFACE

- 15" touch screen with intuitive and nice design interface.
- Up to A3++ format: 360 x 520 mm (14" x 20.5").
- Real time preview with automatic format detection.
- Image thumbnail flow to review all previous scans.
- Zoom on previous scans for image quality control.
- Delete any images already scanned and saved.
- Files output: searchable PDF-A (single & multipage), PDF-A (single & multipage), JPEG, TIFF (single & multipage).
- Customized folder naming.
- Automatic saving after each scan to remove USB memory stick at any time.

AUTOMATIC PROCESSING

e-Scan™ AGATE offers a batch of automatic image processing to enhance image quality and text uses:

- Detail enhancement.
- Deskew.
- Curvature correction.
- Finger masking.
- Histogram stretching.
- Contrast enhancement.

AUTOMATIC SCANNING MODE

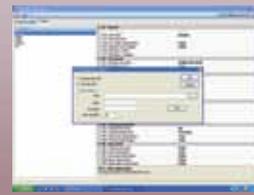
e-Scan™ AGATE offers a continuous shooting mode that allows users with many pages to digitize by only turning the pages. Scans are done automatically at a defined delay (configurable by the administrator).

MULTIPLE DESTINATIONS

e-Scan™ AGATE offers multiple ways to get and share digital files:



EASY INTEGRATION



e-Scan™ AGATE can be fully and easily connected to IT networks and libraries information systems.

- API available to manage: logins, payment, document information management.
- Access: logins and rights management for users and administrators.
- Compatibility with payment terminals, RFID readers and bar codes terminals.
- Customizable interface: screen (logos, text, buttons, colors...) and screensaver (tutorial video or customer advertisement).
- Statistics on use.

COPYRIGHTS MANAGEMENT

e-Scan™ AGATE allows a perfect control on documents copyrights.

- Rights management on number of copies and forbidden documents.
- Database connection through books identification (RFID, barcodes...) to verify copyright policy.
- Watermarking on scanned images (visible and customized).
- Customized copyright reminder on the screen.

PAYMENT DEVICES COMPATIBILITY

e-Scan™ AGATE is fully compatible with all USB payment devices and all serial port devices as Cartadis and Cartax. e-Scan™ AGATE is also compatible with copiers payment devices as Pharos and Intercard.

SAVING AND PRESERVING

e-Scan™ AGATE which works with no consumables and makes possible to use less paper allows for substantial savings. As a planetary scanner with no contact, e-Scan™ AGATE also helps to protect the funds of the libraries and archives.

e-Light

The e-Light offers 600 LUX light. It is the perfect solution for rooms with difficult light environments (darkness, non uniformity). Due to the lighting design, the eyes of the operator are protected. The accessory consists of a lighting mounted on the front of the scanner and attached to the head's scanner column. This option provides a constant light any time of day with a very good color rendering.



ACCESSORIES



RFID reader

The RFID reader allows you to manage, control and monetize the use of the e-Scan™ AGATE.



USB footswitch

The USB footswitch allows you to free your hand from scan order in case of multiple pages.

e-SCAN™ REFERENCES

Since 2009, more than **300 e-Scan™** have been sold worldwide. Our customers are libraries, schools, universities, museums, institutes, archives, government offices as well as private companies.

"We have been using four i2S e-Scan™ scanners at Dalhousie University for over six months now. The students love them. They are easy to use and require no staff assistance. Service from the supplier, Image Retrieval (IIRI US) has been superb. Software updates have been timely and simple to install. All queries from staff have been dealt with expertly and expeditiously. The equipment and software are robust. I have no hesitation in recommending this system or the supplier to anyone seeking an economical public scanning kiosk."

William R. MAES, University Librarian, Dalhousie University, Killam Memorial Library, Canada.

"The University Library offers an innovative service to its students. It is the e-Scan™ from i2S DigiBook which is a self-service scanner kiosk that creates digital copies to take on a USB key. Scanning is fast, easy and intuitive thanks to a touch screen. The real-time preview shows that the optimal format is automatically detected. The scanner scans through the top, which is an important advantage for the books: they should not be pressed on a glass surface such as on a copier. This allows to observe binding of books and preserve our collections. Six of these scanners are located in various libraries of the University and a seventh unit is at the entrance of the library accessible by wheelchair."

Dr. Deitmar HAUBFLEISCH, Director of the University Library Paderborn, Germany.

-  National Library of France (France)
-  University of Bristol (United Kingdom)
-  Ministry of Defense (Malaysia)
-  Foundation Calouste Gulbenkian Lisbon (Portugal)
-  Paderborn University Library (Germany)
-  National Library of Luxembourg (Luxembourg)
-  Decorative Art Museum in Louvre (France)

-  University of Texas (USA)
-  Generali (Greece)
-  Thyssen-Bornemisza Museum (Spain)
-  University of Warsaw (Poland)
-  State Archives of Bremen (Germany)
-  National Library of Morocco (Morocco)
-  University of Sofia (Bulgaria)

e-SCAN™ RANGE

e-Scan™ AGATE is the perfect self-service scanner kiosk that gives people the opportunity to digitize with ease and pleasure. The e-Scan™ AGATE range comes in two models: the e-Scan™ AGATE with a 5° inclined tablet for books up to 5 cm (1.9") and the e-Scan™ AGATE 10 with a manual book cradle for books with a maximum thickness of 10 cm and 10 kg (3.9" / 22 lbs).



e-Scan™ AGATE



e-Scan™ AGATE 10

i2S DIGIBOOK

Since 2000, i2S DigiBook has been designing, manufacturing and marketing scanners for books, maps and any type of bound documents up to 2xA0 format, as well as dedicated image-processing software suites. In 2011, i2S group has acquired Kirtas Technologies becoming the largest group in the world for Cultural and Administrative Heritage digitization and web-promotion solutions.

By being present in 80 countries, involved in research and development programs (Polinum), partner in national digitization programs and with hundreds of thousands documents housed and printable on demand, i2S DigiBook has started to build the most complete offer to help all public or private heritage organizations to manage with success their digitization, enrichment, long term storage, dissemination and return on investments objectives.

TECHNICAL SPECIFICATIONS

DIGITIZATION

TYPE	Planetary kiosk scanner Compact scanning station: embedded computer
MODELS	e-Scan™ AGATE e-Scan™ AGATE 10
CAMERA	CCD area camera Depth of focus: 53cm (20,8")
RESOLUTION	300 x 300 dpi on A3++ format
OUTPUT	Color (24 bits), Greyscale (8 bits), B/W (1 bit), Dithering
SETTINGS	Fully automatic settings: focus, exposure time, white balance, format detection
CAPTURE	Manual (single shot) Automatic (sequential shooting mode) With footswitch (optional)
DRIVERS	API

SIZES HANDLED

FORMATS	DIN A3++	
MAXIMUM DIMENSIONS	360 mm (14") (h) x 520 mm (20.5") (w)	
MAXIMUM THICKNESS	e-Scan™ AGATE	e-Scan™ AGATE 10
	5 cm (1.9")	10 cm (3.9")
MAXIMUM WEIGHT	-	10 kg (22 lb)

IMAGES

SCREEN	15" touch screen
ENHANCEMENTS	Detail enhancement, deskew, curvature correction, finger masking, histogram stretching, contrast enhancement
DESTINATIONS	E-mail, USB memory stick or hard drive, Network and Web (ftp, cloud), printers.
FILE FORMATS	Searchable PDF-A (single & multipage), PDF-A (single & multipage), JPEG, TIFF (single page & multipage)
EMBEDDED OCR	Searchable PDF output in mode Image-Text

SCAN TIME

300 DPI COLOR SCAN	< 0.5 s
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SOFTWARE

LANGUAGES	Multilingual operator interface (more than 40 languages)
IMAGE CONTROL	Image preview Thumbnail image flow to review all previous scans with zoom function
SAVING	Automatic saving after each scan
DELETE	Delete any image already scanned and saved
NAMING	Name directories
EASE OF USE	Intuitive and graphical interface Overlay messages Tutorial video
PROFILES AND RIGHTS	Management of different profiles with different rights
COMPATIBILITY	With payment systems, RFID and barcodes readers
CUSTOMIZABLE	Interface, screensaver, watermarking, copyrights reminder
ANTIVIRUS	Available
STATISTICS	Administrator access to a database

OTHERS

OPTIONAL ACCESSORIES	e-Light, RFID reader (13,56 Mhz), USB footswitch
USER OUTPUT	1 x USB 2.0
ADMINISTRATOR OUTPUTS	4 x USB 2.0, Serial port, GigaBit Ethernet
WARRANTY	12 months hardware and software warranty included Warranty extensions available up to 5 years

PHYSICAL CHARACTERISTICS

DIMENSION	mm : 580 (W) x 590 (D) x 900 (H) inches : 22.83 (W) x 23.23 (D) x 35.43 (H)
TOTAL WEIGHT	21,5 kg (47.4 lbs)
ELECTRICAL POWER	100-240 VAC – 70 watts
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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