



FIELDREADER

ARTIFICIAL INTELLIGENCE & IMAGE ANALYSIS

COUNTLESS HANDWRITING STYLES, ONE SOFTWARE TO READ THEM

A2iA FIELDREADER IS THE ONLY RECOGNITION ENGINE ADAPTED TO ANY TYPE OF DATA ENTRY PROJECT.

IT ALLOWS YOU TO TURN ALL TYPES OF HANDWRITING - FROM THE EASIEST (HANDPRINT AND MACHINE PRINT) TO THE MOST DIFFICULT (CURSIVE HANDWRITING) INTO EASY TO USE DATA.

Recognition for all types of writing

The IWR (« Intelligent Word Recognition ») technology optimises document recognition

From the entire image or a limited zone of a document, A2iA FieldReader locates, extracts and recognises printed, handwritten or cursive fields.

The image shows a French insurance form with handwritten entries in red ink. Labels on the left side of the form indicate the type of recognition used for each field:

- Signature Detection:** Points to the handwritten signature.
- Unconstrained cursive field:** Points to the handwritten date '15/03/04'.
- Addressblock:** Points to the handwritten address '26 rue Sanguette 83006 PLEY'.

Other fields on the form include:

- Unconstrained numeric field:** Points to the handwritten number '016051353389420115'.
- Constrained numeric field:** Points to the printed number '01 101 1003'.
- Box to tick:** Points to the checked box for 'à durée indéterminée'.

A multi-application software

The recognition of cursive handwriting with A2iA FieldReader opens-up a wide scope of applications:

- Structured to loosely structured Document Processing

For optimised document processing, A2iA FieldReader extracts and recognises all of the information – either constrained (machine print, capital letters) or unconstrained (freeform, cursive) on any type of documents.

- Automatic Document Recognition

A2iA FieldReader automatically identifies and classifies various types of structured incoming documents within the same processing batch. This identification capability allows for the automatic recognition of any designated handwritten field found within the many classified documents.


- Addressblock Recognition

A2iA FieldReader locates and recognises handwritten fields in addresses: first and last name, street number, street, postcode, city and country. A2iA FieldReader uses postal dictionaries (ex: USPS, Médiapost) for the recognition.

- Archiving

A2iA FieldReader's ability to recognise free cursive handwriting optimises the processing of old documents and archives.

Countless Writing Styles Recognition

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Box to tick	Overwriting detection	Machine print	Combs	Pre-box
	88662 000 17 24 38 cl	30/01/04 26 09 03 20 janvier 2004	GUERIN	Emmanuel
Signature detection	Numeric (currency, postcode, phone...)	Dates	Unconstrained handprint	Cursive or freehand

Tool Kit

- > ActiveX Interface
- > Application Programming Interface (API) library for C/C++
- > Configuration tool
- > Documentation
- > Sample code

Technical Support

A2iA's technical team is at your disposal for personalised project support as well as off- and on-site maintenance.
 Contacts : support@a2ia.com

System Requirements

Platform:
Windows 2000 / NT / XP / 7

CPU:
Pentium III 1 Ghz, (minimum requirement)

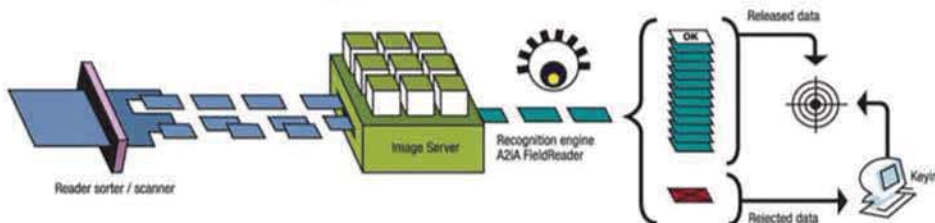
RAM:
128 MB recommended

Input:
Images may be provided as files or as memory buffers

Image resolution:
200 - 240 dpi or higher

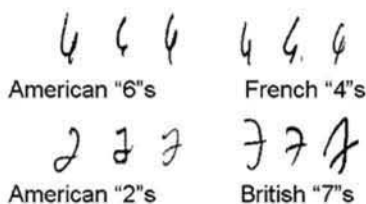
Image format:
bmp, jpeg, jpeg 2000, tif, color, bitonal or gray

Seamless and Easy Integration



Easy to install and to set-up, A2iA FieldReader can be seamlessly integrated into any capture and forms-processing solution to enhance your recognition capabilities.

International Software



A2iA FieldReader is adapted to the local handwriting styles found throughout the world.

Partners

The A2iA toolkits are available to service bureaus and other software developers for integration into various applications worldwide. With a reseller channel of over 220 distributor partners throughout the world, A2iA has more than 15,000 customers in 23 countries.

Contacts :

EUROPE
 A2iA SA - 40 bis, rue Fabert
 75007 Paris, France
 Tél. +33 (0) 1 44 42 00 80
 Fax +33 (0) 1 44 42 00 81
 info@a2ia.com

USA
 A2iA Corp - 584 Broadway, Suite 810
 New York, NY 10012, USA
 Tel. +1 917 237 0390
 Fax +1 917 237 0391
 info@a2ia.com

www.a2ia.com

Other solutions :

