



CHECKREADER

ARTIFICIAL INTELLIGENCE & IMAGE ANALYSIS

MAKING CHEQUES SPEAK

A2iA CHECKREADER IS THE "ENTIRE CHEQUE" RECOGNITION SOFTWARE DEDICATED TO PAYMENT SYSTEMS.

IT USES ITS OWN ADVANCED TECHNOLOGY TO AUTOMATICALLY READ NATURAL, FREEFORM OR MACHINE PRINTED INFORMATION FROM CHEQUES AND A WIDE VARIETY OF FINANCIAL DOCUMENTS.

Entire Cheque Recognition

A2iA technology reads all the fields on a cheque

The « Entire Cheque Recognition » technology is the only one capable of analysing, extracting and reading all the information on the cheque and to release them as electronic data.

MICR



Legal Amount

Courtesy Amount

Date

Signature Detection

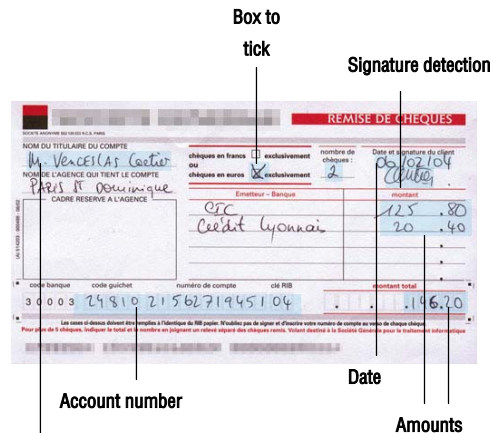
Payee name

A multi-application Software

This solution can be integrated in many automatic cheque recognition applications:

- **Centralised and decentralised cheque processing** (bank branches or ATMs) : amount (CAR+LAR) recognition
- **Conformity and Coherence Control:** Compulsory fields detection (CAR and LAR amounts, payee name, date, signature, MICR)
- **Fraud and Money Laundering Detection** : payee name recognition (from a black list)
- **Customer Relationship Management (CRM) and Archiving** : cheque fields recognition for indexing and multiple criteria research

Recognition of deposit slips and remittance coupons



Box to tick

Signature detection

Account number

Date

Amounts

First and last name

Countless Writing Styles Recognition

Dates : 20 janvier 2004 30/01/04 09/22/03 23.04.60	Cursive Emmanuel	freehand MARQUE MARIAGE 81/10
	Unconstrained handprint: MARQUARTMONIKA	Machine print Millet Christine

A2iA CheckReader reads all types of writing on cheques, whether printed, cursive or capital letters. For the "payee name" field, user-defined vocabularies up to thousands of entries allows optimal results on any types of cheques.

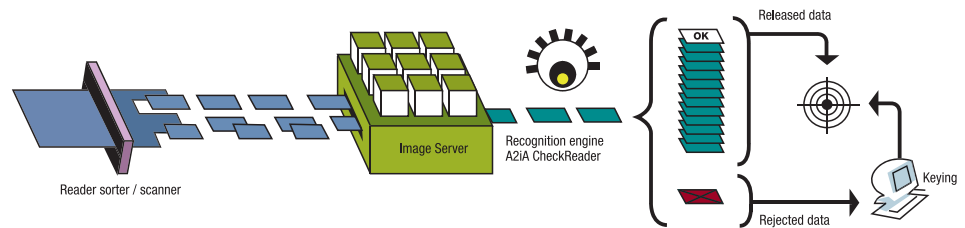
Amount Recognition

De-slant/Clean	Segment	Results
		2 99.7% 3 0.2%
		0 73.9% 2 20.8%
		0 99.9%
		200 95.7%

A2iA CheckReader performs CAR & LAR amounts recognition in independent processes. A2iA's artificial intelligence and neural networks combine the results and decide on the returned value and confidence level.

Seamless and Easy Integration

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



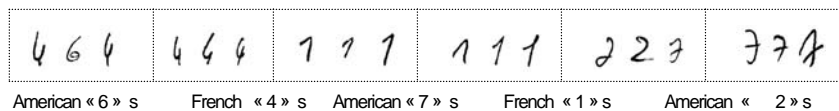
Easy to install and to set-up, A2iA CheckReader can be seamlessly integrated into any automatic cheque recognition solution.

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

EMEA: support.emea@a2ia.com
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International Solution

A2iA CheckReader is available in 6 languages (English, French, German, Italian, Portuguese and Spanish) and in 22 country versions (France, UK, Ireland, Italy, USA, Canada, Mexico, Brasil, Thailand, Hong Kong, Sweden, Netherlands, Portugal, New Caledonia, Australia, Germany, Chile, Belgium, Malaysia, Singapore, India and South Africa).



Platform:
Windows 2000 / NT / XP

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

Clients and Partners

A2iA has around 100 clients in more than 22 countries: Royal Mail, La Poste, American Cash Express, Barclays Bank, British Telecom, France Télécom, French Ministry of Defense, HSBC, JP Morgan Chase, Lloyds TSB, Marks & Spencer Financial Services, Spanish Social Security, Société Générale, LCL, Yale University, American Cancer Society etc.



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