



A2iA CheckReader™

Artificial Intelligence & Image Analysis

The "Entire Check" Recognition Software

The Most Comprehensive Check Recognition Engine on the Market. Beyond first-rate Courtesy and Legal Amount Recognition (CAR+LAR), the A2iA CheckReader can read handwritten or machine printed information from a wide variety of money orders, deposit slips, remittance coupons, business and personal checks. Its high read-rates and extraordinary accuracy will reduce data-entry time and costs in kiosk / ATM check acceptance applications, branch or distributed capture, remittance, and proof operations. Available in 17 international versions A2iA CheckReader can increase operational profits around the world.

A Leader in Recognition Technology. The A2iA CheckReader uses its own proprietary, advanced neural network and artificial intelligence to locate, clean, de-slant and segment writing into words, numerals and characters. A2iA has developed several individual recognition engines that are designed to work together. These engines are precision engineered to take full advantage of A2iA's proprietary neural network and artificial intelligence technology, enabling the fastest and most accurate results possible. With complete control over the technology within its products, A2iA has proven itself a leader around the world with frequent releases of improved recognition engines and its responsiveness to new problems in the field.

A2iA CheckReader Entire Check Recognition:

* A2iA CheckReader automatically locates the information on checks and extracts the data.

Labels for check fields:

- Name and address of payer
- Date of check
- Name of payee
- MICR
- Signature detection
- Courtesy Amount (CAR)
- Legal Amount (LAR)

A2iA CheckReader Recognition Capabilities Include:

Date(s):

3-4-92	05/23/00
3/4/92	5/23/00
April 1, 92	27 feina 2002
4/1/92	27/2/02

Dates:
A2iA CheckReader reads dates even with a mix of formats. A2iA CheckReader uses reference dates and local settings to further optimize recognition quality.

Cursive: Acme Mortgage Co. ACME MORTGAGE CO.	Unconstrained Handprint: POM EXPRESS POM EXPRESS
Freehand: Interpeople Inc INTERPEOPLE INC	Machine Print: R GOLDBERG MD R GOLDBERG MD
Payee Names: A2iA CheckReader can read the payee name from a check. User-defined vocabularies of up to 10,000 payee names allows optimal results from all types of checks, whether machine printed or cursive handwriting.	

Recognition Process

CAR Clean/De-slant: **Segment:** **Results:**

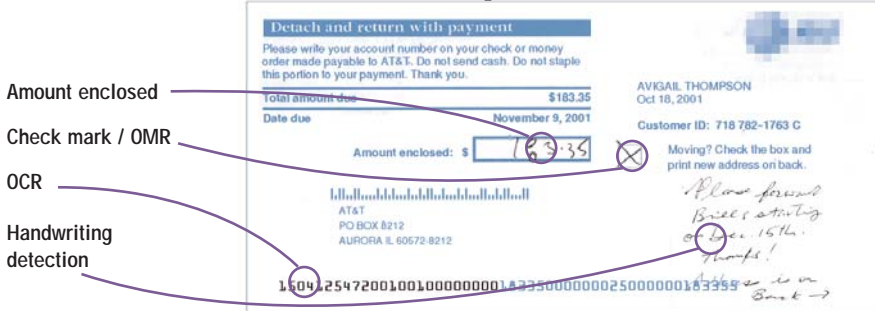
360.42	.398 score	360.42	.398 score	➔	360.42	.782 combined confidence score
860.42	.176 score	370	.016 score			
360.42	.398 score	360.42	.437 score	➔	360.42	.782 combined confidence score
860.42	.176 score	370.72	.016 score			

A2iA CheckReader performs Courtesy Amount Recognition and Legal Amount Recognition in independent processes. A2iA's artificial intelligence and neural networks combine the results and decide on the returned value and confidence level.

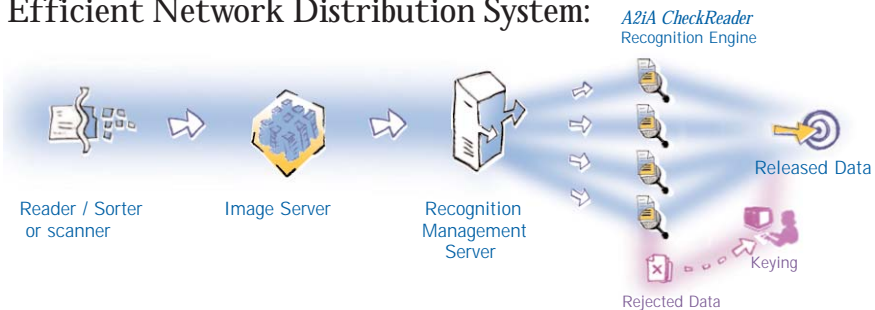
A2iA CheckReader Recognition Capabilities Include:



Remittance Coupon

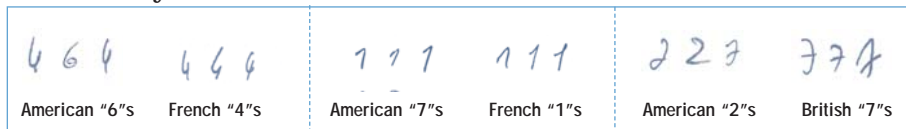


Efficient Network Distribution System:



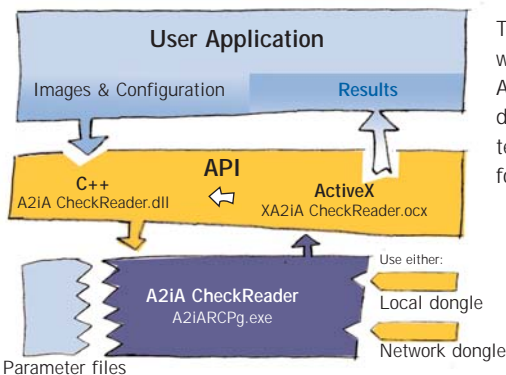
A2iA CheckReader has built-in network distribution capabilities to efficiently coordinate several recognition stations resulting in high speed processing using the most of your network configuration.

17 Country Versions



A2iA CheckReader is adapted to the local language and handwriting styles in 17 countries.

Easy to use Application Programming Interface (API)



The A2iA CheckReader API can be used within most existing software systems. An ActiveX interface is available as well as direct calls to C functions. Internal parameters for local settings allows one interface for a worldwide software release.



Tool Kit Includes:

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

Technical Support:

Training and maintenance available.

System Requirements:

Platform: Windows 2000 / NT / XP
 CPU: Pentium III 500 Mhz, (minimum requirement)
 RAM: 128 MB Recommended.
 Input: Images may be provided as files, or as memory buffers.
 Image resolution: 200 dpi or higher.
 Image format: bmp, jpeg, tif.
 Image processing: Color, bitonal or gray.

A2iA CheckReader International

Versions: Australia, Brazil, Canada (bilingual), Chile, France, Germany, Hong Kong, Ireland, Mexico, Netherlands, New Caledonia, Portugal, Sweden, Thailand, United Kingdom, and the United States.

A2iA Clients Include:

ACE - America's Cash Express, Bank of Scotland, British Telecom, Finaref, France Telecom, Lloyds TSB, Orbograph, Regulus, Societe Generale, Verizon.

A2iA CheckReader is integrated into products from:



C & A Associates, Inc.
 b1814 South Range Rd., Suite A
 Denham Springs, LA 70726

www.imagechex.com/Default.htm

A2iA Corp

584 Broadway, Suite 802
 New York, NY 10012
 Tel +1 917 237 0390
 Fax +1 917 237 0391
 info@a2ia.com

Please visit A2iA.com for information about A2iA's state-of-the-art recognition technology.