

Cognition®

Standard and Professional Editions

Forms Processing Solution



Quickly and accurately transform paper documents into valuable intelligence.

In today's fast-paced business environment, the need has never been greater for organizations to efficiently manage the thousands of forms, faxes and paper images they must handle every day. That's why so many have turned to Scantron's Cognition software. This forms processing solution automates the slow, labor-intensive data entry process. The result is efficient and accurate automated forms processing, data collection and input environments that scale to fit the needs of any size company. Cognition works by collecting paper forms and documents and digitizing them, then delivering them to the right databases and other business applications as needed.

Fast

Cognition takes just a few seconds per form, depending on form complexity and hardware specifications. (That's more than 20 times faster than a professional typist.)

Precise

Cognition recognizes handprint (ICR), machine print (OCR), bar code, checkboxes and checkmarks (OMR) with unerring precision.

Accurate

Cognition provides correct and valid data and image capture using configurable recognition options that allow crosschecks, validation rules, and business logic. You can also add application-specific capabilities or create custom validation rules and logic to fit any project requirement.

Efficient

Cognition's high processing speed, quality of recognition, automatic control of output results and competitive pricing makes it not only the best value, but the most efficient automatic data capture system available.

Cognition Standard and Professional Editions for standalone workstations.

The Cognition Standard and Professional Editions are designed for standalone workstation forms processing. Both can be quickly and easily installed and configured with minimal IT resources. Within a matter of hours, you can be up and running, regardless of whether you process a few dozen forms each day or thousands each week.

The Standard edition is the right choice for organizations that are processing traditional bar code, checkbox and checkmark (OMR) forms and need to retain post recognition images.

The Professional edition provides a complete solution for organizations that process a variety of OMR forms, as well as machine print (OCR), and handprint (ICR) from department forms and surveys.



Scan

- TWAIN scanner support
- ADF support and manual input feeding
- Page orientation detection
- Import of graphic formats (TIFF, JPG, PCX, DCX, PNG & BMP)
- Image pre-processing, deskewing and “noise” cleaning
- Compensation of linear distortions using “cornerstones” (for faxed forms etc.)

Recognize

- Build-in template designer
- Template auto-identification
- Various reference elements: black squares, text, lines, images
- OCR/ICR “Fountain” Image Transformation Technology (Professional edition only)
- Hand-print, machine print and mixed text (Professional edition only)
- Mark sense (OMR): check boxes, radio groups, any type of mark
- Bar code recognition: EAN13, EAN8, Check Code 3, Check Interleaved 25, Code 39, Code 128
- 18 languages for hand-print recognition: English, German, French, Italian, Russian, Polish, Ukrainian, Bulgarian, Czech, Slovak, Lithuanian, Spanish, Dutch, Finnish, Romanian, Turkish, Croatian and Hungarian (Professional edition only)

- Bordered text: framed, text over comb, underlined (Professional edition only)
- Multi-line text (Professional edition only)
- Field position detection
- Supports several styles of hand-writing: European, American, Russian, Japanese, and Thai (Professional edition only)
- Scan & Read / Open & Read modes
- Background recognition
- Interpretation of checkboxes marked by mistake (“shaded areas”)

Verify

- Standard validation and automation rules
- Spell check
- Contextual checking
- Pre-defined data types: names, addresses, etc. (Professional edition only)
- User-defined data types (Professional edition only)
- Checks against databases (Professional edition only)
- Context and group verification and in-form data validation

Export

- Database (ODBC)
- File (XML, TXT, CSV, DBF, XLS)
- Standard picture export
- Automation export

Standard and Professional Edition Minimum Requirements

- PC with Pentium 350 MHz for Windows XP, Pentium 200 MHz for Windows 2000/ME/98
- Microsoft Windows XP/2000/ME, Windows 98 (Y2K Update 2)
- 128 MB of RAM for Windows XP, 64 MB RAM for Windows 2000; 32 MB RAM for Windows ME/98
- 120 MB of free hard disk space for minimal installation
- Microsoft Internet Explorer 5.0 or later
- Mouse or other pointing device
- TWAIN-compatible scanner
- CD-ROM drive
- SVGA monitor (600x800 or higher resolution)
- USB port for hardware protection key



Please visit us at www.scantron.com for a complete overview of Cognition's system requirements or call us at (800) 722-6876 for more information.