



TestAnyTime

TestAnyTime, a Windows based multi-utility application, is a suite that proves to be a full-fledged Forms Processing Solution. It is a scalable solution for automatic data capture from paper-based forms. TestAnyTime captures all kinds of information via Handwritten; Machine printed; Barcode Printed; Ticked, Crossed or Filled in ovals or checkboxes; MICR Printed. TestAnyTime is the comprehensive one-stop solution for examination, assessment and data analysis. It seamlessly combines Question Design & Management, Form Printing, Data Capturing and Data Analysis & Reporting in one user-friendly application. TestAnyTime can tightly integrate into wide range of OMR or common Image scanners, making it a flexible, complete and cost-effective tool of your first choice.

TestAnyTime supports the following data capture technologies:

- ▶ OMR: Optical Mark Recognition.
- ▶ IMSR: Intelligent Mark Sense Recognition.
- ▶ OCR: Optical Character Recognition.
- ▶ ICR: Intelligent Character Recognition
- ▶ BCR: Barcode Recognition.
- ▶ MICR: Magnetic Ink Character Recognition.

TestAnyTime - An Overview

TestAnyTime plays a critical role in automating extraction of business information from simple to complex forms viz. Credit Card Application Forms, Market Research Questionnaires, Examination Answer Book, Shop floor QA sheets etc. It also serves the need of an enterprise-wide Document Management Enabler that provides features for document capture; indexing and voluminous backlog conversion

Creating Forms

TestAnyTime software build-in a form designer that is allowing you to create and print your own forms by yourself. You also allow create your own forms using any word processor or survey design package. Forms can be printed on a laser printer, photocopied, or sent out to your local printer. You have the flexibility to create and duplicate as many as you need. We have also provided form design and printing services. For details please call us.

Form Definition

TestAnyTime is unique in that forms require any registration marks or drop-out inks (special printing) by user selective. Because of this, you have complete flexibility over how the form is set up and where the marks are located. In order for TestAnyTime to read these forms, users must do the definition on the new form and create a project file for the form. It is a simple procedure where the user scans a form, the software displays the image of the form and with the mouse, the user drags "boxes" around the areas of marks and fills in some information about these areas (defines what each mark should translate into if filled in). The definition session takes a few minutes per page.

Scanning Forms

TestAnyTime software works with an OMR or common Image Scanners to scan and process your survey or test forms. TestAnyTime can read OMR areas, as well as barcode information from your forms. Handwritten and typewritten areas can be read by the software and it can be captured as image fields for later key entry by an operator. Built in exception handling easily locates and allows you to correct or verify any erroneously marked forms. TestAnyTime facilitates scanning of both single and multiple / batch of forms. A blank copy of the form is scanned and a template is defined over it. Whenever a filled form is scanned, the static data (fill/guiding boxes) is removed automatically by Color Drop / Form Out facility and the data in the boxes is retained. Designed to robustly scan and extract information, it has built-in checks to improve the quality of the captured images. After the image has been scanned and captured, the Image Cleaning feature allows cleaning the image to required specifications

Data Extraction

OMR (Optical Mark Recognition) is a technology which by interpreting the filled boxes of various shapes and sizes, circles the actual data they represent, removes all probability of failure and hastens the correction process. When these forms are scanned, the inscribed data is digitally stored and compared to a template

IMSR (Intelligent Mark Sense Recognition) is technology develop by Datacap Computer Solutions Ltd. which is a very powerful data extraction technique, which deals with the recognition or extraction of filled boxes of various shapes and sizes, circles the actual data they represent

OCR (Optical Character Recognition) is technology used for recognizing printed and even well typed documents. It recognizes texts, as well as, numbers

ICR (Intelligent Character Recognition) is a very powerful data extraction technique, which deals with the recognition or extraction of hand written forms. As in the case of OMR, ICR also carries out form recognition comparing the scanned images to a defined template. It further processes the images and eliminates the static data, leaving the dynamic data intact for extraction and verification

BCR (Barcode Recognition), to decode any barcodes appearing on the documents, the popular USS 39 standard is supported. Others include: CODE 39, EAN 13, CODABAR, and CODE 128 etc. Barcodes are also used on index sheets for automatic separation

MICR (Magnetic Ink Character Recognition) is essentially OCR font written in Magnetic Ink. It permits readability even when overprinted with postmarks, smudges, cancellation marks etc, hence, finds its usage in Bank Cheques etc. It recognizes characters 0-9 and a,b,c,d

Data Verification

TestAnyTime provides efficient manual verification of extracted data from scanned images. Users can easily verify the data that is extracted by the engine.

Report Analysis

TestAnyTime includes Report Generator which allows you to tally surveys or grade tests with the click of a button. You can tabulate your survey and then run reports such as an item analysis, item statistics or cross tabs to view your results. If you administer tests, the software can automatically grade them. For a test, you can specify an answer key, grade scale and other options, and then the software can grade the test and produce statistics and graphs representing the item analysis, frequency distribution, student scores and several other test statistics. TestAnyTime also produces a grade report for each student which can be printed and handed back to the student.

TestAnyTime - Features

- User friendly, support Traditional Chinese, Simplified Chinese & English user interface
- Support OMR (Optical Mark Reading) scanner and common Image Scanner
- Support OMR, IMSR, OCR, ICR, Barcode & MICR Recognition
- User security control function
- Build-in question bank for manage historical question
- Build-in form designer for create your own form
- Works with forms you create from word processor
- Provide question and answer book template with graphics and logos
- Support double-sided, multi-page forms
- Recognizes low quality forms or images
- Revision control function
- Intelligent question validation and logical checking function
- Support on-line question validation
- Link with database you create (e.g. MS Access, MS FoxPro)
- Model answer sheet and student answer sheets in MC (Multiple Choice) forms can be read by the OMR machine or common Image Scanner automatically in a short time
- Test result calculation lets you assign mark for each correct, wrong or blank question; It also allows different marks for each question, and mark deductions
- Saved records can be changed, deleted and added as required
- Build-in report generator for generate your own report
- Produces useful reports with 3D graphs & charts
- Report profile for personalization
- Support export data to common file or database format (e.g. ASCII, MS Excel, MS Access, MS FoxPro)

Report Highlights

- Bar Chart
- Pie Chart
- Line Chart
- Revision Comparison
- Summary Distribution
- Table Analysis
- Multiple Answer Summary
- Question Summary By Free Text
- Comments Listing
- Ranking
- Test Result
- Test Questions Analysis
- Test Results of Candidates
- Ranking Report with Passing Mark
- Test Ranking Analysis
- Test Questions Statistic
- Test Summary

TestAnyTime - Application Areas

Banking & Financial Institutions

- ▶ Loan applications
- ▶ Share transfer processing
- ▶ Bank account opening
- ▶ Utility applications processing
- ▶ Sales tax and other tax forms processing
- ▶ Plastic card (Credit, Debit, ATM, etc) application
- ▶ Check processing and bill processing

Educational Institutions

- ▶ Automation of admission forms
- ▶ Admit card production
- ▶ Examination forms processing.

Telecom

- ▶ Processing of Customer Agreement Forms

Insurance

- ▶ Processing of Policy & Claims Forms

HR & Recruitment Forms Processing

Market Research & Data Collection Forms Processing

Medical Form Processing

Quality control and Inspection Forms Processing

Shop floor Status Reporting

Government Department

- ▶ Income & Sales Tax Forms Processing
- ▶ Census Forms Processing
- ▶ Survey Data Forms Processing

Health Care

- ▶ Patient Forms Processing

Backlog Document-Capture services etc

TestAnyTime - Benefits

Lower Resource Requirements

For accomplishing the same task, lesser Manpower and Machines are required while using TestAnyTime. Analyses based on actual deployments have proven up-to five-fold reduction in the manpower and machine requirements.

Saves Time

Punching in the incorrectly recognized data seeing the scanned image of the paper form on the same computer screen is much faster than the traditional manual data entry methods. Image Assisted Data Verification processes retain the attention of the operator in a more efficient way and for much longer duration. Hence the entire process of manual punching is faster because of an ergonomically designed user interface, which includes features like Data-Zone Highlighting and Auto- Image-Scrolling. TestAnyTime acts as a strategic tool in collapsing the Business Cycle.

Need Oriented and Scalable

Addresses processing needs of a few thousand forms to millions of forms/ documents through scalable addition of scan, data-extraction and verification stations from a single user to hundreds of users. Being modular, the system scales seamlessly to address load surges that might be introduced in the Business Cycle.

Built-in Intelligence Guarantees Data Integrity and Authenticity

TestAnyTime automatically highlights the doubtfully recognized characters thereby grabbing immediate operator attention for manual intervention. This is accomplished through the Confidence Threshold, which the user can manipulate to suit his requirements. Hence, authenticity of the captured data is maintained.

Minimal Human Intervention

The system, by virtue of being automated requires minimal human intervention. Hence the chances of malicious doctoring of information are reduced.

Increased Productivity

The system provides speed, accuracy and robustness all at the same time, reducing staff requirements thereby increasing productivity

Low Pay-Back Period

Being one of the most economical packages in the market, TestAnyTime pays back for itself very quickly. Tremendous reduction in time and resources guarantees low break-even period.

Reduced Risk of Form Misplacement Minimum form circulation minimizes the risk of misplacing the forms.

Easy Form Access

Enables quick and easy retrieval of form images after exporting to a DMS. The fields captured from the form act as indexes for subsequent retrieval of Document Images. TestAnyTime seamlessly integrates with DocumentAnyTime, one of the premier Document Management System.

Upgrade Advantage Maintenance Program

Protect your business intelligence investment by extending the life of your software purchase with TestAnyTime Upgrade Advantage maintenance program. As an Upgrade Advantage customer, you will automatically receive major upgrades as soon as they become available with 12-month Upgrade Advantage contract.

- **Save Money.** Realize significant savings over per-incident upgrade costs.
- **Upgrade Priority Notification.** Don't worry about missing an upgrade; we'll inform you directly of its availability.
- **Free Upgrade Delivery.** We'll pay for the shipping costs with your upgrade or update.
- **Premium Support Access.** Gain access to premium support materials available via the Upgrade Advantage private web portal.
- **Toll Free Tech Support in Hong Kong.** Access free Datacap support for 60 days starting from your first support incident.

How to Buy

To purchase Upgrade Advantage for a 12-month subscription, contact us toll-free at (852) 2121-0868 or email to us enquiry@datacap.com.hk