

# VDE+Images

## Key-from-Paper + Key-from-Image

# VDE + Images®

**VDE+Images** combines the best features of the **Viking Data Entry (VDE)**® system and **ImagEntry**® data entry software, allowing you to key from both images and paper with one software package.

No matter how your data is stored, your data entry operators have the same interface and features, which reduces training time, increases productivity, and reduces errors.

In addition, **VDE+Images** has specialized capabilities that make it unique among data entry systems...

### Key from Images of Unstructured Documents

**VDE+Images** is specifically designed for those imaging applications where the location of the data is not predictable because the documents do not have a standard format or because there are a variety of forms that arrive in random order.

Item	Description	Quan	Price	Total
778243	Invisible Tape	2	5.69	11.38
011844	Chrome Ballpoint Pen	10	10.99	109.90

Customer Number	Date	Express Order	TOTAL \$
7 5 2 5 5	7-19-02	<input type="checkbox"/>	

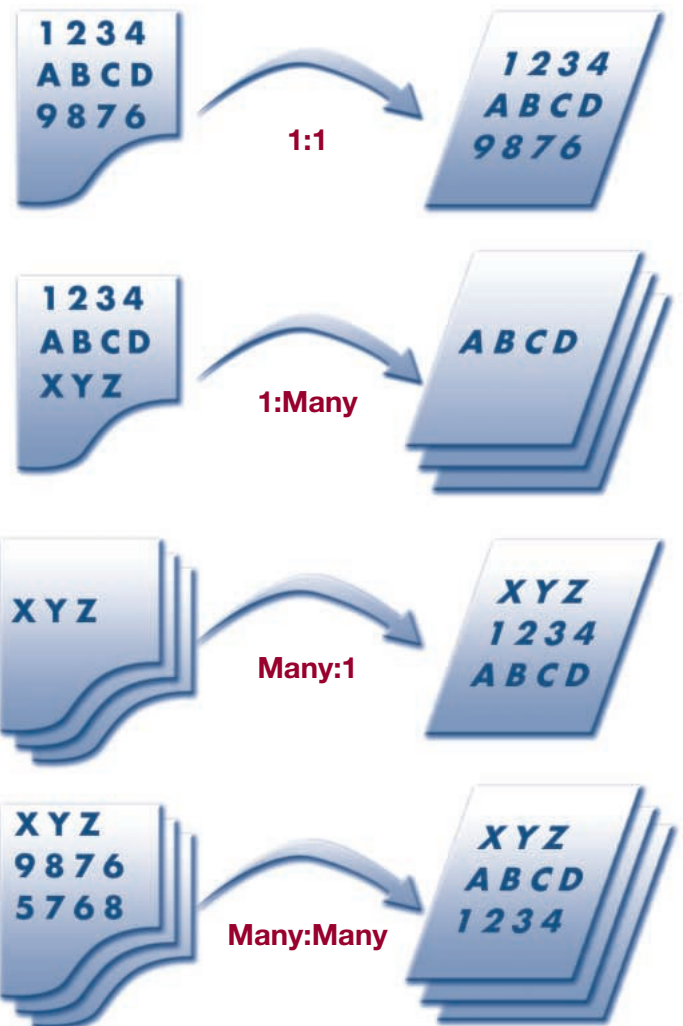
Item #	Description	Quan	Price	Total

### Multiple Relationships Between Images and Data Records

Most imaging systems automatically generate one record for each image. **VDE+Images** is unique among key-from-image products in that it allows data records to be stored in the most useful and logical way. So you can have data from any number of images on one record, put data from one image on multiple records, or spread data from several images across several records—whatever works best for your application.

#### IMAGES

#### DATA RECORDS



## Power/Precision Data Entry

*VDE+Images* has all the features of the *Viking Data Entry* system that are required for high-speed, high-volume, high-accuracy keying. Viking's customers traditionally key data at rates well above the average power/precision keying speed of 11,600 keystrokes per hour. Our customers demand data accuracy far in excess of the capabilities of today's recognition engines.

## Data Accuracy

Viking has been building data entry software systems since 1980 and has learned all the methods and techniques to enable faster keying and eliminate errors. *VDE+Images* has field edits and database look-ups to increase accuracy and reduce the amount of keyed-in information.

The traditional method to ensure the accuracy of sensitive data elements is known as double-key verify. *VDE+Images* offers advanced capabilities to further enhance this valuable feature.

## Function Keys

Although *VDE+Images* is fully Windows® enabled, there are hot keys to perform special data entry functions so that operators never have to move their hands from the keyboard to use a mouse. The fastest operators know that they cannot use a mouse if they are going to key at 20,000 keystrokes per hour.

## Statistics

It has been said that if you can't measure it, you can't improve it. *VDE+Images* gathers complete statistics on performance and the amount of labor involved in each data entry job. Reports enable you to better manage your facility and obtain more accurate information about the cost of jobs.

Statistics Reports

Beginning Date: 11 10 2000  
mm dd year

Ending Date: 11 10 2000  
mm dd year

Selections

- User Report (usrstats.rpt)
- Job Report (jobstats.rpt)
- Batch Report (batstats.rpt)
- Extract Data (extstats.txt)

OK Cancel

## Image Manipulation

*VDE+Images* allows the operator to quickly and easily manipulate the image in order to locate and key the appropriate data. Hot keys let operators zoom, move, rotate, and invert images with a single keystroke. They can also quickly switch from one view of the image to another.

HCFA / UB92 BATCH HEADER

HCFA - UB92  
BATCH HEADER

BATCH TYPE: HC  
OPERATOR: 137

REGION: 11  
JULIAN DATE: 98302

BATCH #: 1

BEGINNING SEQ #: 001  
ENDING SEQ #: 006  
BATCH CLAIM COUNT: 7

BATCH TYPE: [ ] OPERATOR: [ ] SYSTEM DATE: 08/13/2002

BATCH TYPE CHANGES

HC = HCFA 1500  
IN = IN PATIENT UB92  
LT = LONG TERM UB92

JULIAN DATE: yyyyjjj BATCH: bbb

BEG SEQ: sss END SEQ: sss BATCH CLAIM COUNT: ###

## Image Sets

Many imaging applications need to group images into sets that represent multi-page documents. *VDE+Images* can define image sets and advance to the beginning image of the next set.

## System Integration

*VDE+Images* has an open architecture and flexible design that makes it easy to integrate with any document imaging system. *VDE+Images* can be readily customized using the optional Application Programming Interface (API). Users can code custom field edits and exit routines in the industry-standard C language.

## Pre-existing Data

*VDE+Images* can import pre-existing data to form the basis of data records. This data can come from scanners, bar-code readers, MICR readers, recognition engines (OCR, OMR and ICR), and other data sources. For example, the MICR data from checks can be imported into *VDE+Images* for wholesale lockbox applications.

## Batch Orientation

Most key-from-image systems are transaction-oriented. *VDE+Images* is batch-oriented. We designed it that way because most documents are scanned and controlled in batches. This is the most logical and efficient way to handle high-speed, high-accuracy data entry applications.

## Online Balancing

*VDE+Images* provides three levels of online balancing for financial transactions:

- Crossfoot balancing within a data record
- Sub-total balancing over a group of records (e.g., check & invoice, debits & credits)
- Batch totals and item counts

## Simple Job Setup

The Forms Painter and other development tools are designed for data entry operators and supervisors. Data entry jobs can be set up by the people who know them best.

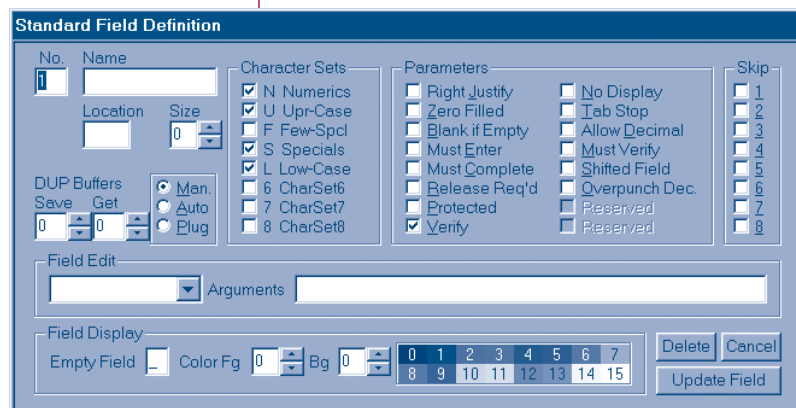
Development tasks are made easy with an intuitive interface and one dialog window that puts everything at your fingertips as seen in this Standard Field Definition dialog.

## Hardware Requirements

A basic PC with Windows 9x, ME, NT, 2000, or XP is sufficient for the client workstation. High-powered workstations are unnecessary. *VDE+Images* will work with any network, including Windows NT/2000 and Novell. The size of the monitor needed depends on your applications. Many jobs work fine with a basic 15" monitor. A 17" or 19" monitor may be required if the entire document needs to be displayed at full size or larger.

## Some Application Examples

- Indexing images
- Litigation support
- Public records (e.g., land titles)
- Credit card vouchers
- Wholesale lockbox
- Accounts receivables



The image shows a screenshot of the 'Standard Field Definition' dialog box. It is a complex window with several sections:

- No. Name:** A text box containing '1' and an empty field.
- Location Size:** A text box and a spin box with '0'.
- DUP Buffers:** A section with 'Save' and 'Get' buttons, and a spin box with '0'.
- Character Sets:** A list of checkboxes: N Numerics (checked), U Upr-Case (checked), F Few-Spcl (checked), S Specials (checked), L Low-Case (checked), 6 CharSet6, 7 CharSet7, 8 CharSet8.
- Parameters:** A list of checkboxes: Right Justify, Zero Filled, Blank if Empty, Must Enter, Must Complete, Release Req'd, Protected, Verify (checked), No Display, Tab Stop, Allow Decimal, Must Verify, Shifted Field, Overpunch Dec., Reserved, Reserved.
- Skip:** A vertical list of checkboxes numbered 1 through 8.
- Field Edit:** A section with a dropdown menu and a text box containing 'Arguments'.
- Field Display:** A section with 'Empty Field' checkbox, 'Color Fg' and 'Bg' spin boxes, and a grid of 15 numbered boxes (0-15).
- Buttons:** 'Delete', 'Cancel', and 'Update Field' buttons.

## Viking Software Solutions...

*Who we are, what we are, and where we're going*

Viking Software Solutions has been developing and marketing data entry-related software since 1980. Our mission statement is two-fold:

- Provide power/precision data entry tools for the most demanding applications.
- Make them easy to use so end-users and data entry personnel can set up most of their own jobs.

Our knowledgeable technical staff is truly concerned that our customers find the right solutions to their data entry problems. About 75% of our business comes from word-of-mouth references from our customers. We believe that when we take care of our customers, they will take care of us. It has worked for over 20 years.

Our users testify to their Viking experience—performance superiority, exceptional technical support, and product evolution that continually meets their changing needs. This is evident in the many computer platforms that we support

and by the new technology products that we have developed, such as *ImagEntry* and *VDE+Images™* for keying from document images.

The screenshot shows a software application window titled "CUSTOMER ORDER" for "Bookers Office Supply". The window contains a form for customer information and a table of items.

Customer # 1 0 0 2 7 Date 7-1-02 Express

Name Design and Lighting Phone # 272-2259

Item	Description	Quan	Price	Total
407371	Wall Pocket, Letter	1	18.99	18.99
407373	Wall Pocket, Legal	1	19.99	19.99
778243	Invisible Tape	2	5.69	11.38
133557	1/3" Tab Folders, 25	1	6.99	6.99
778257	Colored Tape	1	5.69	5.69
407125	Magnetic Filing Pocket	1	10.49	10.49
<b>TOTAL</b>				Cont'd

Order Total

Item #	Description	Quan	Price	Total

**To learn more about VDE+Images, call today!  
(800) 324-0595**



## VIKING SOFTWARE SOLUTIONS

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