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# **Viking Scanner Module**

**By Viking Software Solutions**

**Version 1.0**

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# Viking Scanning System Overview

## Scan Job Setup

**StoragePath:** This is the complete path for storing all batch scanning results including subdirectories for batches, Scan List Files, and Scan Error Logs. This path should include the drive letter and folder. Example: c:\vss\_scan\

**Scan List File:** This is the text file which all scanning results are stored. A scan list file name can be composed of the job name (j), year(yy or yyyy), month(mm), day(dd), batch(b). If the batch is specified, a new scan list file will be generated for each batch scanned. If the date is specified, a new scan list file will be generated each day. There is one record in the scan list for each image. Each record in the scan list contains the Image File Path, Image File Name, Image File Page, Document ID, Batch Number, Sequence Number and up to 3 bar codes.

**DocumentID:** This is the unique scan number associated with every page scanned. This is usually composed of the batch (b) and sequence number (s), but can also contain the year(yy or yyyy), month(mm), and day(dd).

**Image File:** This is the name given every image file. It is normally composed of the batch and sequence numbers, but can also contain the job name(j), year(yy or yyyy), month(mm), and day(dd).

**Field Separator:** The scan list file is written with variable length records and the fields are separated by this Field Separator Character. The most common separator is the comma(,) but you may frequently see the pipe(|) and tilde(~) used as a separator.

**Delimiter:** Delimiters are used to enclose a field that happens to contain the field separator character. The most common delimiter is the double quote("). The delimiter must not occur as the first or last character of any field.

**Next:** You must specify the next batch number ( 1 to 8 digits ). This value will be automatically incremented by the scanning system. You may reset this value at any time, but be careful that a previous batch folder does not exist.

**Seq#:** You must set the beginning sequence number. This number can be automatically reset to one(1) at the beginning of each batch, or you can allow the sequence number to continue incrementing across the batch boundaries. Image File Names must contain a sequence number.

## Scan Mode

**B/W - Monochrome:** This is the normal scanning mode, since it is the fastest. Every page is scanned as a black and white image and stored as a Tiff Group 4 Image (name.TIF).

**GrayScale:** This scans every page in 256 shades of gray and stores the results as a JPEG Image (name.JPG).

**GrayScale/Convert BW:** Every page is scanned in grayscale mode and then the results are thresholded down to a black and white image and stored as a Tiff Group 4 Image (name.TIF).

**Color:** Every page is scanned in 24-bit color and the results are stored as a JPEG Image (name.JPG).

### Pixels/Inch

**200:** 200 pixels per inch scanning.

**300:** 300 pixels per inch scanning.

**400:** 400 pixels per inch scanning.

**600:** 600 pixels per inch scanning.

### Adjustments

**Brightness:** 0 - default and 1 to 255 are the possible brightness levels. Note: not all scanners support this parameter.

**Contrast:** 0 - default and 1 to 255 are the possible contrast values. Note: not all scanners support this parameter or they might use only the first few values as valid settings.

**Threshold:** 0 - default and 1 to 255 are the possible threshold values. Threshold is only valid for B/W scanning.

### Paper Size

**Letter:** 8.5 x 11 inch paper scanning.

**Legal:** 8.5 x 14 inch paper scanning

**A4:** 8.3 x 11.7 inch paper scanning

**Other Size (inches):** This option specifies the user will manual set Left, Top, Width, and Height. These values are in inches to the nearest hundredth of an inch.

**Left:** In Other Size Mode, this specifies how many inches to skip on the left edge of the paper before starting to scan. Normally this value will be zero.

**Top:** In Other Size Mode, this specifies how many inches to skip on the top edge of the paper before starting to scan. Normally this value will be zero.

**Width:** In Other Size Mode, this specifies how many inches wide the scan area will be. This value must be non-zero.

**Height:** In Other Size Mode, this specifies how many inches tall the scan area will be. This value must be non-zero.

### Options

**Patch Code Sep Sheets:** If checked, images will be tested during scanning for Patch Codes to determine when to start a new batch and new Tiff Multiple page file.

**AutoDocumentFeeder:** If checked, the ADF (Auto Document Feeder) is turned on.  
**Negative:** If checked, the Image is Inverted before compression.

**Duplex Scanning:** If checked, scan both sides of the paper. Note: not all scanners support this option.

**AutoBlackBorderCrop:** Some scanners return black borders whenever the page is shorter or narrower than specified. When checked, this allows for images to be deskewed and cropped.

**AutoDeskew:** When checked, attempt to deskew every image based on nearly horizontal lines or mono-type text characters.

**Multi-Page Tiff File?** When checked, store multiple images in a single file. A Patch Code sheet or manual intervention will be required to start a new file.

**Reset Sequence @Batch:** When checked, the sequence number is reset to 1 for each new batch.

## Bar Codes (Areas Relative to Scanned Image Area)

**None:** Don't search for a barcode. 3 of 9 2 of 5 Barcode 128 Codabar UPC\_A EAN-13 9 of 3 2 of 5 IATA - International Airline Ticket Barcode All 1-D PDF417 - 2-D Barcode Standard

**Left, Right, Width, and Height:** Are the coordinates in inches on the scanned image to seek barcodes. These values are based on the scanned image area, not the document.

**MinThickBar** For all barcodes with only two sizes of bars and spaces (3 of 9, 2 of 5, Codabar, 2 of 5 IATA), this is the minimum expected size of the bigger bar or space.

**SymbolSize:** For all barcodes with multiple sized bars and spaces (barcode 128, UPC\_A, EAN-13, and 9 of 3), this is the expected size of a single code symbol.

**TestRange:** This is the amount that symbols can vary off the expected value. The larger the value the longer the barcode recognition can take.

**MinChars:** Rejects all barcodes less than this size. This is a good parameter for rejecting bad barcodes.

## Buttons:

**Save as...:** Save current job settings with a Job Name. You can rename the Job.

**Change Job:** Select an existing Job to review or change the scan job settings.

**Delete Job:** Remove the currently selected Job from the permanent storage.

**Save/Scan:** Save current job settings with the current Job Name. Return to the Scanning Dialog.

**Cancel:** Discard changes to the current Job and resume the Scanning Dialog.

**Help:** Display this text file.

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## Supported Scanners

	Grayscale	Color	Dup	ADF	Flat	Max Size	Max Res
Fujitsu ScanPartner Series	Y	N	N	Y	Y	8.5x14	300
Ricoh IS60/IS50	N	N	N	Y	Y	8.5x11	300
Ricoh IS410/IS420	Y	N	N	Y	Y	11x17	300
Fujitsu 3096G	Y	N	N	Y	Y	8.5x14	300
Fujitsu 3093G	Y	N	N	Y	Y	11.7x14	300
Fujitsu 3097G	N	N	N	Y	Y	8.5x14	300
Canon DR3020	N	N	Y	Y	N	10x14	300
Mitsubishi S600C	N	N	N	Y	N	8.5x14	300
Panasonic KVSS25	N	N	Y	Y	N	8.5x14	300
Panasonic KVSS50	N	N	Y	Y	N	8.5x14	300
Panasonic KVSS55	N	N	Y	Y	N	8.5x14	300
Panasonic KVSS885	Y	N	Y	Y	N	11.7x17	300
Fujitsu 3097DG	N	N	Y	Y	Y	8.5x14	300
Fujitsu 3093DG	N	N	Y	Y	Y	8.5x14	300
Fujitsu 3099DG	N	N	Y	Y	Y	8.5x14	300
Panasonic KVS2055	Y	N	Y	Y	N	12x17	300
Panasonic KVS2065	Y	N	Y	Y	N	11.7x17	300
Canon DR5020	N	N	Y	Y	N	10x14	300
COPISCAN 4040D	Y	N	Y	Y	N	11.7x14	300
Fujitsu 3091	Y	Y	Y	Y	N	8.5x14	600
Fujitsu 4099	Y	Y	Y	Y	N	11x17	600
Fujitsu 3092	Y	Y	Y	Y	Y	8.5x14	600
Panasonic KVS6040	Y	N	N	Y	Y	11x17	600
Panasonic KVS6045	Y	N	Y	Y	Y	11x17	600
Panasonic KVS6050	Y	N	N	Y	Y	11x17	600
Panasonic KVS6055	Y	N	Y	Y	Y	11x17	600
Fujitsu 4097	Y	N	Y	Y	Y	11x17	600
Fujitsu 4750	Y	Y	Y	Y	Y	11x17	600
Canon DR3060	*	N	Y	Y	N	10x17	600
Canon DR3080	*	*	Y	Y	N	10x17	600
RicohIS01	Y	N	N	Y	Y	11x17	600