



## RVI BASIC & COMPLETE RECOMMENDED HARDWARE CONFIGURATION GUIDE

RVI 8.0 Release or Greater  
(Minimum OS/400 Release Level-V5R4)

Feb 2017

### RVI REQUIRES KOFAX VIRTUAL RESCAN (VRS) FOR DOCUMENT SCANNING

RVI requires scanners that support Kofax Virtual ReScan (**VRS**) **Basic for document scanning** because it connects the PC to the scanner for ISIS scanning. Kofax VRS Elite Production has the **AIPE engine used for barcode scanning**. VRS sharpens and cleans up the scanned image. It is great for OCR scanning, shaded or colored documents, non-original carbon copies or any documents in less than perfect condition. VRS is an add-on feature that will improve the overall quality of scanned images and reduce the time required to rescan a document multiple times to improve the quality of the scanned image.

VRS may reduce the rated page per minute (PPM) volume of the scanner. VRS switches the scanner to grayscale mode for analysis and processing before converting it to a black and white image. VRS offers real time cleanup of images that do not meet pre-set scanning requirements and will reduce the time needed to correct poor quality scanned documents. VRS can be enabled or disabled as desired based on the quality of the paper being scanned on most scanners.

### RVI SCANNER SUPPORT & COMPATIBILITY WITH MICROSOFT'S WINDOWS PC's KOFAX SCANNING SOLUTIONS WITH VRS

#### *Complete Listing of Kofax VRS Certified Scanners:*

<http://scadmin.kofax.com/KCSearch/Search.aspx>

#### **SCANNING STATION PC REQUIREMENTS:**

**Windows 7, 8 or 10, Business & Enterprise Edition**

**\*Note Check with Kofax and scanner manufacturers for current ISIS drivers and programs.**

(Kofax recommendation: other Windows Operating Systems have known problems that can affect the scanning operation)

**Microsoft no longer supports Windows 2000, Vista or XP  
RVI does not support "Home Versions" of the operating systems**

### KOFAX SCANNING SOLUTIONS

For specific USB/FireWire interface scanners, Kofax offers VRS Software. VRS is not limited to scanners that are rated at 30 PPM or less. Some scanners can operate at 125 PPM with hardware enabled VRS scanners. These scanners usually come with VRS built into the scanner using a CGA (color graphics adaptor); this is also called Hardware VRS or HVRS.

**Kofax VRS Elite Desktop for USB/FireWire Scanners:** Kofax VRS Software Version 5.0 supports standard VRS features and is used primarily with certified scanners with throughput up to 35 PPM. Standard features include dynamic image enhancement, crop, deskew, etc. This version supports USB and FireWire scanners. **Barcode SBC (Standard Bar Code) code is supported** with this version of the software. Upgrading to Kofax VRS Elite Workgroups will also support EBC (Enhanced Bar Code).

**Kofax VRS Elite Workgroup for USB/FireWire Scanners:** Kofax VRS Software Version 5.0 for any Kofax Workgroup and Desktop certified scanners typically scanning 35 PPM to 80 PPM. This version supports the entire feature set plus it includes the Kofax Adrenaline Image Processing Engine (AIPE), Standard Bar Code (SBC) Enhanced Barcode (EBC) recognition. This version supports USB and FireWire scanners. This is the default license level necessary to support any non-certified scanner.

**Kofax VRS Elite Production Scanners USB and FireWire Scanners:** Kofax VRS Software Version 5.0 for any Kofax VRS certified scanners, typically scanning above 80 PPM. This version supports the entire feature set, plus it includes the Kofax Adrenaline Image Processing Engine (AIPE) and Enhanced Barcode (EBC) recognition. This version supports USB and FireWire scanners. Production level scanners DO NOT operate in demo mode.

**Kofax Certified VRS Scanners:** <http://scadmin.kofax.com/KCSearch/Search.aspx>

Refer to page 7 for Kofax VRS Elite suggested pricing.

Hardware enabled VRS scanners are also available from certain scanner manufacturers, boosting the performance of the scanner. The VRS processing is then done on the scanner, alleviating processing power on the computer.

**Note: Kofax no longer supports SCSI scanning and has discontinued the manufacture of the SCSI cards.**

## SELECTING A SCANNER FOR RVI

1. Determine the Type of Scanner
  - a. **Desktop** – scanner that scans 40 PPM or below (*requires Kofax VRS for Desktop or change to Workgroup if Enhanced barcode is needed*).
  - b. **Workgroup** – Scanner that scans 40 -90 PPM or below (*requires Kofax VRS for Workgroup*).
  - c. **Production** – Scanners that scans 90 PPM and above. (*requires Kofax VRS for Workgroup*).
2. Kofax VRS Elite Software (Definitions)
  - a. **Desktop** – Image clean up software and it Includes AIPE (Adrenaline Image Processing Engine) standard barcode scanning.
  - b. **WorkGroup** – Image clean up software, barcode scanning and Enhanced barcode scanning (2D barcodes and advance barcode enhancements. (The AIPE (Adrenaline Image Processing Engine), combined with the EBC (Enhanced Bar Code) at run-time feature, improves 1D and 2D bar code recognition and accuracy, even when images are skewed. )
  - c. **Production** – For scanners that scans 90 PPM and above, Image clean up software, barcode scanning and Enhanced barcode scanning (2D barcodes and advance barcode enhancements
3. Go to the Kofax Website and use the Scanner Configurator to identify the Kofax Software needed for the selected scanner.  
<http://scadmin.kofax.com/KCSearch/Search.aspx>
  - a. First select the scanner **Manufacturer** from the drop down list.
  - b. Then select the scanner **Model**.
  - c. The site will list the supported configurations for that scanner.
  - d. Look at the scanner manufacture's site to see if it comes bundled with Kofax VRS software (*Note that the AIPE engine which is required for **Basic** Barcode scanning, is included with the Kofax Desktop, Workgroup/Production versions. **Basic & Enhanced** Barcode scanning is only available with Workgroup/Production versions.*

## **RVI RECOMMENDED KOFAX VRS CERTIFIED SCANNERS (A sampling of the Kofax supported scanners)**

**SCANNERS: Black & White / Color Scanning, Kofax VRS certified.**

**Desktop (Desk):** features plus SBC (Standard Bar Code) and AIPE (Adrenaline Image Processing Engine).

**WorkGroup (WG):** features plus SBC (Standard Bar Code), EBC (Enhanced Bar Code) and AIPE (Adrenaline Image Processing Engine).

**Production (Pro):** features plus SBC (Standard Bar Code), EBC (Enhanced Bar Code) and AIPE (Adrenaline Image Processing Engine). Required for scanners of 91ppm and above

**Kofax VRS Elite Is Included With The Scanner:** Note: Be sure to ask for Kofax VRS when purchasing the scanner.

- CANON, DR-C130, Desk, ADF, Duplex, Letter / Legal, 30 PPM, up to 600 DPI, Daily Volume 2,000 pages.
- CANON, DR-M140, Desk, ADF, Duplex, Letter / Legal, 40 PPM, up to 600 DPI. Daily Volume 7,000 pages.
- CANON, DR-M160II Desk, ADF, Duplex, Letter / Legal, 60 PPM, up to 600 DPI.
- CANON, DR-6030C, Desk, ADF, Duplex, Letter / Legal, 80 PPM, up to 600 DPI.
- CANON, DR-7550C, WG, ADF, Duplex, Letter / Legal, 90 PPM, up to 600 DPI
- KODAK, I-2400, VRS Elite Pro, USB (2.0), ADF, Duplex, Letter/Legal, 30 PPM, 600 DPI, Daily Volume 4,000 pages.
- KODAK, I-2600, VRS Elite Pro, USB (2.0), ADF, Duplex, Letter/Legal, 50 PPM, 600 DPI, Daily Volume 6,000 pages.
- PANASONIC, KV-S1025C-V, VRS Elite, USB (2.0), ADF, Duplex, Letter/Legal, 26 PPM, 600 DPI, Daily Volume 1,000 pages.
- PANASONIC, KV-S1027C-V, VRS Elite WG, USB (2.0), ADF, Duplex, Letter/Legal, 45 PPM, 600 DPI, Daily Volume 2,000 pages.
- PANASONIC, KV-S1045C-V, VRS Elite WG, USB (2.0), ADF, Duplex, Letter/Legal, 40 PPM, 600 DPI, Daily Volume. 2,000 pages.
- PANASONIC, KV-S2048C-V, VRS Elite, ADF only, Duplex, Letter / Legal, 43 PPM, up to 600 DPI.
- PANASONIC, KV-S4065CL-V, VRS Elite, ADF only, Duplex, Letter / Legal, 65 PPM, up to 600 DPI.
- PANASONIC, KV-S3105C-V, VRS Elite, ADF only, Duplex, Letter / Legal, 105 PPM, up to 600 DPI.

## **Kofax VRS Elite Must Be Purchased Separately:**

Following scanners require Kofax VRS Desktop. For EBC (Enhanced barcode scanning) then purchase the Kofax VRS Elite Workgroup.

**Kofax VRS Elite Product Number:VP-D005-0001 (Desktop) for ISIS scanning and simple barcodes**

**Kofax VRS Elite Product Number: VP-W005-0001 (Workgroup) for ISIS scanning and EBC complex barcodes**

- CANON, DR-125M, ADF, Duplex, Letter / Legal, 25 PPM, up to 600 DPI, Daily Volume 1,500 pages
- EPSON, GT-1500, ADF, Duplex, Letter / Legal, 20 PPM, up to 600 DPI, Daily Volume 1,000 pages
- EPSON, GT-S50, ADF, Duplex, Letter / Legal, 25 PPM, up to 600 DPI. Daily Volume 1,200 pages
- EPSON, GT-S80. ADF, Duplex, Letter / Legal, 40 PPM, up to 600 DPI, Daily Volume 1,800 pages
- EPSON, DS-6500. ADF, Duplex, Letter / Legal, 40 PPM, up to 600 DPI Daily Volume 3,000 pages
- FUJITSU FI-6110 ADF, Duplex, Letter / Legal, 20 PPM, up to 600 DPI Daily Volume 2,000 pages
- FUJITSU FI-7160 ADF, Duplex, Letter / Legal, 60 PPM, up to 600 DPI Daily Volume 4,000 pages
- FUJITSU FI-7260 ADF / Flatbed, Duplex, Letter / Legal, 60 PPM, up to 600 DPI Daily Volume 4,000 pages

## **Kofax VRS Elite Must Be Purchased Separately:**

**Kofax VRS Elite Workgroup or Production is required based on the PPM of the scanner.**

**Kofax VRS Elite Product Number: VP-W005-0001 (Workgroup)**

**Kofax VRS Elite Product Number: VP-P005-0001 (Production)**

- EPSON, DS-7500, ADF, Duplex, Letter / legal, 40 PPM, up to 600 DPI
- EPSON, DS-60000. ADF, Duplex, Letter / legal, 40 PPM, up to 600 DPI, up to 11.7" x 17" paper
- EPSON, DS-70000, ADF, Duplex, Letter / Legal, 40 PPM, up to 600 DPI. up to 11.7" x 17" paper
- FUJITSU, FI-5530C2, ADF, Duplex, Letter / Legal, 50 PPM, up to 600 DPI
- FUJITSU, FI-7180, ADF, Duplex, Letter / Legal, 80 PPM, up to 600 DPI
- FUJITSU, FI-7280, ADF / Flatbed, Duplex, Letter / Legal, 80 PPM, up to 600 DPI
- **Scanners below require: Kofax VRS Elite Product Number: VP-P005-0001 (Production)**
- FUJITSU, fi-6670A, VRS Pro, USB (2.0), ADF, Duplex, Letter / Legal, ADF 90 PPM, 50-600 DPI.
- FUJITSU, fi-6770A, VRS Pro, USB (2.0), ADF and Flatbed, Duplex, Letter / Legal, 90 PPM, 50-600 DPI.

## **NETWORK SCANNERS: No Kofax VRS Support. (Partial Listing)**

RVI does support the Network Scanner provided by vendors such as Fujitsu, Canon, or Kodak.

The setup for the network scanners would be to scan to a directory on the IBM-i and then it would be available for batch indexing. No Kofax Software is required for this process and barcode recognition **is not** supported.

If barcode recognition is required, then Kofax software for image processing, VRS for example, would be required on a PC that would perform the scan from disk function to read the barcodes.

- FUJITSU, ScanSnap N1800, Color Duplex Network Scanner, Ethernet LAN attached, ADF, Duplex, Letter/Legal, 20 PPM, 150-600 DPI.
- FUJITSU, fi-6010N Color Duplex Network Scanner, Ethernet LAN attached, ADF, Duplex, Letter/Legal, 25 PPM, 150-600 DPI.
- CANON, ScanFront 300 Network Scanner, Ethernet LAN attached, ADF, Duplex Letter/Legal, 30 PPM, 150-600 DPI.
- CANON, ScanFront 500 Network Scanner, Ethernet LAN attached, ADF, Duplex Letter/Legal, 50 PPM, 150-600 DPI.

## **MULTI-FUNCTION DEVICE SUPPORT: No Kofax VRS Support.**

RVI does support the use of TWAIN compliant Multi-Function Devices (MFD).

The setup for the Multi-Function Device on the network would be to scan to a directory on the IBM-i and then it would be available for batch indexing. No Kofax software is required for this process and barcode recognition **is not** supported.

If barcode recognition is required, then Kofax software for image processing, VRS for example, would be required on a PC that would perform the scan from disk function to read the barcodes.

## **NON-VRS SCANNING**

**Basic Non-VRS Software Scanning:** For USB/FireWire scanners

**Kofax AIPE:** Kofax AIPE 4.0 supports a wide variety of desktop, workgroup, and production scanners with support for image processing, patch code reading and 10 standard barcode types. The Enhanced Barcode (EBC) is an optional upgrade to support the reading of 2-dimensional barcodes with additional support for reading barcodes from color and gray scale images. AIPE and EBC are included with VRS Workgroup and Production editions.

## **TWAIN SCANNER SUPPORT**

RVI now offers the ability to interface with TWAIN scanners as part of the base software package for low end USB attached scanners. This scanning solution is normally for light or supplementary scanning needs with black and white or color scanners and not a replacement for production scanning. Contact your scanner manufacturer for support with TWAIN scanning problems/errors.

TWAIN interface is part of the RVI Basic and RVI Complete Imaging Systems. No additional RVI Licensing Fees are required.

## **FOR ADDITIONAL SCANNER INFORMATION:**

**Kofax Configuration Guide For All Supported Kofax Scanners:** <http://scadmin.kofax.com/KCSearch/Search.aspx>

**Fujitsu Scanners:** [www.fcpa.com/products/scanners](http://www.fcpa.com/products/scanners)

**Kodak Scanners:** <http://graphics.kodak.com/docimaging/us/en/products/index.htm>

**Panasonic Scanners:** [www.panasonic.com/scanners](http://www.panasonic.com/scanners)

**Canon Scanners:** [www.usa.canon.com](http://www.usa.canon.com)

## **SUPPORTED EMULATION**

It is the customer's responsibility to verify with the emulation company that the emulation software and release level being used provides support for the operating environment chosen for the PC imaging workstations. This must be accomplished prior to the installation of the RVI Imaging System.

RVI can support emulation without EHLLAPI support.

V5R4 OS/400 and PTF's for the RVI Software installation.

PC requirements for **scanning stations**

- For **new or existing PC's** used for scanning stations, Windows 7, 8 or 10 Business or Enterprise Editions.

**Note: Windows 2000, Vista and XP are no longer supported by Microsoft. For Microsoft unsupported operating systems, if errors occur during scanning, OS upgrades will be required. Check the Kofax web site for recommended scanner configurations.**

PC's attached to the IBM-i with required connectivity.

## **BARCODE RECOGNITION: (RVI BASIC AND RVI COMPLETE)**

Barcode recognition can be accomplished with any Kofax supported scanner when using Kofax VRS Workgroup or Production, Kofax Adrenaline 650i controller boards\*, or using the Kofax Adrenaline AIPE Software\*\*. Kofax VRS Workgroup or Production is the recommended solution when reading barcodes during scan. This product includes AIPE with standard barcode and enhanced barcode support. If the benefits of VRS are not warranted, the Kofax AIPE software is required for scanners using USB and FireWire interfaces. Reading barcodes must be accomplished at scan or import prior to uploading to the IBM-i.

## IBM i FAXING

If inbound and outbound faxing are part of the installation, RVI supports Facsimile Support for the IBM-i from IBM, Quadrant Fast Fax and FAX STAR.

## VIEWING STATION ALTERNATIVES

Citrix  
Windows NT Terminal Server

### VIEWING STATION: Windows 7, 8 or 10 Business and Enterprise Edition.

Pentium (minimum), for existing customer PC's that are to become RVI Viewing Stations.  
1 GB – 8 GB of Ram / 2 GB of free hard drive space (minimum).  
Connectivity to the IBM-i and supported emulation program.  
Internet Explorer 8.0.

## STORAGE OPTIONS

The RVI architecture is flexible and can accommodate multiple storage options based on specific application needs.

**Alliance / Plasmon G Series** Direct Attached Optical or Archive Appliance, [www.alliancestoragetechnologies.com](http://www.alliancestoragetechnologies.com)  
Uses **UDO (Ultra Density Optical)** technology that provides WORM protection.

**IDEALSTOR Worm Appliance** is an easy to use appliance that integrates removable disk technology to provide a blend of fast disk speeds in a flexible portable media. <http://www.idealstor.com>

**NEXSAN** by Imation is a turn-key worm protected archive storage system that is ideal for storage optimization, regulatory and corporate compliance, and security. [www.nexsan.com](http://www.nexsan.com)

**Network Attached Storage**, a Windows server, NAS device, etc., that the IBM i can access.

### IBM-i DASD/IFS

**Note: If a network attached storage device is used for data storage, the setup, connectivity and backup procedures are the customer's responsibility.**

## MOBILE IMAGE VIEWING - SUPPORTED DEVICES

iPad, iPhone & iPod Touch (Free download from the Apple Store)

## MOBILE SIGNATURE CAPTURE - SUPPORTED DEVICES

iPad, iPhone & iPod Touch (Free download from the Apple Store)

## OPTICAL CHARACTER RECOGNITION, (OCR): (RVI COMPLETE)

Optical Character Recognition (OCR), using Nuance (Scan Soft) OCR Software is \$650.00 for each OCR scanning workstation. The OCR Licenses must be ordered through RVI for delivery to the end user.

Recommended minimum PC configuration: 1GHz PC with a minimum 1 GB RAM, recommend 2 GB RAM.

**Note: Any version upgrade of RVI that has incorporated a new viewer version of the Nuance (Scan Soft) toolkit will require a \$150 upgrade fee for each OCR scanning station to be able to issue new OCR registration codes.**

## PC ATTACHED SIGNATURE PAD CAPTURE - SUPPORTED DEVICES

Topaz, Inc. [www.topazsystems.com](http://www.topazsystems.com)

### Supported Models:

SignatureGem1X5	SignatureGemLCD1X5	SignatureGem4X5	SignatureGemLCD4X3	SignatureGemLCD4X5
SigLite1X5	SigLiteLCD1X5	ClipGem	ClipGem19200	ClipGemLGL

For Topaz product information and pricing: Norm Wirz at Computime 618-654-7779.

Signature Pad Capture is designed to permit a single signature on captured spool files or Kofax supported B/W TIFF images.

Allows placement of a signature on:

- First page, last page, all pages, specific page, or first specific number of pages, or last specific number of pages

**Note: If the "Scope of Work" for signature capture exceeds the above guidelines, custom code may be required.**

## **ENHANCEMENTS FOR CONVERSIONS, EMAIL, PRINTING AND FAXING**

### **PDF Capabilities**

TIFF Image to PDF

JPEG Image to PDF

Spool File With TIFF or JPEG Overlay to PDF (multiple overlays per document possible if using PDF)

AFP Data Stream to PDF

IOCA Image to PDF (after converting to TIFF)

Text File to PDF

User-definable fonts, point size, and page orientation for Spool File text converted to PDF

Compression for Spool File Text Converted to PDF Format

Decompression of Page Text for PDF Capture (subject to text mapping limitations)

Ability to queue multiple TIFF or JPEG images to a single PDF file

### **TIFF Imaging**

Convert Multiple Strip TIFF Images to Single Strip

Convert Any Compression Except JPEG and LZW to G4

Convert Motorola-Type TIFF to Intel-Type TIFF

IFS Support for the HPTTOFLR (AFP to TIFF) Transform

Ability to email AFP documents as TIFF images

Conversions are made “on the fly” for IBM-i direct-print.

### **Other Images**

Convert IOCA/MODCA to TIFF Image (if G3 or G4 compressed)

AFPDS data streams are automatically converted to TIFF image(s) at capture time.

### **Email Enhancements**

Physical file for originator email address

Maintenance program for above

RVIEMLADR shell program to retrieve originator email address

TIFF and JPEG images can be emailed in PDF format as single attachment or multiple attachments

Email to multiple addresses

Up to 1000 documents can be emailed at once from Image Inquiry

### **Print Enhancements**

Multiple-page TIFF images can be printed

Up to 100 documents can be printed at once from Image Inquiry

AFP overlays can be used with printing

Image generation (print process) shared by printing and faxing

### **Fax Enhancements**

Multiple-page TIFF images can be faxed

Up to 500 documents can be faxed at once from Image Inquiry

AFP overlays can be used with faxing

Image generation (print process) shared by printing and faxing



## KOFAX VRS PRODUCT TABLE:

Part Number	Description	Suggested List Price
VP-D005-0001	Kofax VRS Elite Desktop	\$650
VP-W005-0001	Kofax VRS Elite Workgroup	\$1,450
VP-P005-0001	Kofax VRS Elite Production	\$2,450
VP#L005-0000	Kofax VRS Elite License Server	\$6,000

Part Number	Description	Suggested List Price
UP-D005-0001	Kofax VRS Elite Desktop -Upgrade	\$325
UP-W005-0001	Kofax VRS Elite Workgroup - Upgrade	\$725
UP-P005-0001	Kofax VRS Elite Production - Upgrade	\$1,225

For more information visit: <http://www.kofax.com/vrs-virtualrescan/>

## KOFAX SCANNER CONFIGURATOR



Click **Manufacturer** and choose the scanner manufacturer.

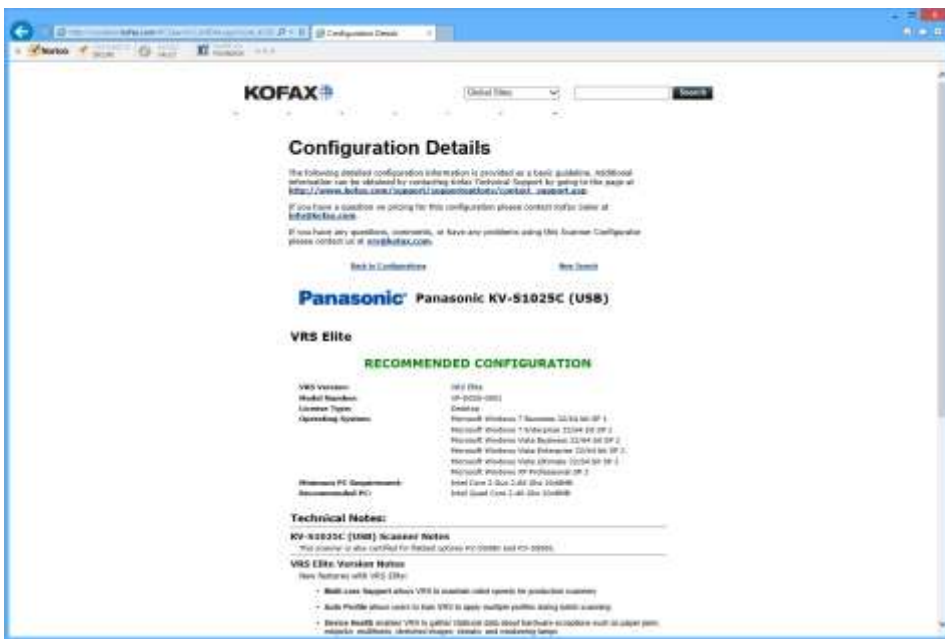


Click **Model** and select the scanner model.

# KOFAX SCANNER CONFIGURATOR



All supported configurations for this scanner will be listed.



Visit the manufacturer's website to see if this scanner comes bundled with Kofax VRS Software.

**Real Vision Software, Inc.** 318.449.4579 [www.realvisionsoftware.com](http://www.realvisionsoftware.com)  
 John Paul Roundtree, Mkt. Director 318.855.0283 [johnpaul@realvisionsoftware.com](mailto:johnpaul@realvisionsoftware.com)  
 Marketed exclusively by RVI/IBM certified business partners

