

NUANCE

The experience speaks for itself™

DATASHEET

eCopy® Image Enhancement Extender™

Create clear and legible images from scanned documents on the fly, eliminating errors and saving time

Processing paper documents is a labor intensive and hence a costly endeavor. Companies can automate the processing of stacks of paper documents by combining document imaging with optical character recognition (OCR) technology. However, the precision of OCR translation and the ability to automate the process depends to a large degree on image quality.

Image clean-up functions:

- Halftone removal
- Page deskew
- Despeckle
- Crop
- Character smoothing
- Grid line removal
- Thicken/thin
- Advanced clean-up functions
- Form refine
- Advanced refine

eCopy Image Enhancement Extender will maximize your investment in the eCopy ShareScan® document imaging solution by preprocessing scanned documents to produce a “clean” image free of imperfections.

OCR and barcode automation then precisely translate the contents of the image into machine-readable and editable text, dramatically reducing manual exception reporting.

eCopy Image Enhancement Extender is an add-on Extender that is used in conjunction with eCopy ShareScan and transparently runs as a background process to improve image quality. It can be run with other Extender software, such as eCopy Barcode Recognition, Cost Recovery, or Bates Numbering as well as with any Connector.



PREPROCESS SCANNED DOCUMENTS TO PRODUCE IMAGES FREE OF IMPERFECTIONS

Business need	Features/benefits
Improved accuracy	Greatly improves document legibility, increases the precision of OCR translation, optimizes file size, and eliminates time spent rescanning.
Extensive image clean-up	<ul style="list-style-type: none">• <i>Remove background color</i> (Form Refine™ and Advanced Refine™) – Forms with text on top of a colored background can produce illegible scans. By removing the background color and converting color or grayscale images to bitonal images, the OCR results are improved and the text is much easier to read.• <i>Halftone removal</i> – Similar to color, black and white shaded areas interfere with the ability to read text after scanning. By eliminating the shading and preserving the text, reading, printing, and other post-scan uses are greatly improved.• <i>Page deskew</i> – Corrects any crooked pages that result from scanning or printing.• <i>Despeckle</i> – Removes unwanted background dots, creating a smaller and cleaner file. The speckle size can be set so desirable specks, such as the dot on an “i”, are not removed.• <i>Crop</i> – Produces a standard margin around an image by removing excess border or adding border to create consistent results.• <i>Character smoothing</i> – Improves legibility by smoothing the edges of text characters.• <i>Grid line removal</i> – Tables and forms have gridlines that can interfere with OCR. By eliminating these lines and repairing any text that intersects with the lines, scanned documents are easier to read and OCR accuracy is improved.• <i>Thicken/thin</i> – Some documents consistently scan poorly because the text is too light or too dark. Adding or removing one pixel around everything generates a better looking scan that is easier to use.
Improved productivity	Document post-processing steps are eliminated. Office workers with no knowledge of image processing can perform image enhancement tasks with the press of a single button as they scan the document.
Simplified processes	Modular design works with all eCopy Connectors and Extenders and any third- party-developed Connectors for eCopy ShareScan.
Seamless workflow integration	Documents are seamlessly integrated into the workflow of eCopy ShareScan through any eCopy or third-party Connector right at the scanning device.

System Requirements

- eCopy ShareScan 5.0 or later
- Windows 2000, Windows XP, Windows 2003 Server
- 10 MB of free disk space
- Other system requirements as specified for eCopy ShareScan 5.0 or later

COMPATIBILITY

- All eCopy-developed Connectors and third-party Connectors and eCopy Quick Connect

For more information on the full portfolio of eCopy products, go to: www.ecopy.com

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