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Acuity

Corrective Lenses for your Scanner

AUTOMATIC INTELLIGENT IMAGE CORRECTION

Summary:

- Intelligently correct documents containing imperfections
- Improve quality of scanned images for archiving
- Increase OCR accuracy
- Save time; ease-of-use, no extra steps required

Acuity [uh-**kyoo**-i-tee]—adj
Visioneer's advanced algorithms and dynamic thresholding technology results in a finely tuned, sharp, clear image.

Using advanced algorithms and dynamic thresholding, Visioneer Acuity enables your scanner to instantly improve the visual clarity of every document that you scan. The technology behind Acuity is complex, but the results are crystal clear and easy to achieve with the touch of a button.

Take a random stack of documents from your desk. Unless they came directly from a laser printer, they probably have a few marks on them. Perhaps some are received faxes, a few could be faded, and a couple of them are on colored paper or have been highlighted with markers.

These are the types of document imperfections that are the most difficult to scan and usually require the user to stop and manually change the scan settings for each and every page to ensure a perfect image. If you have a large stack of documents to scan, this process could be very time consuming, unproductive and tedious.

Visioneer Acuity does all the work for you. It intelligently adjusts every page after being scanned to a crisp and clean image. Visioneer Acuity not only improves image quality for the human eye, but the computer's eye as well. Since OCR results are directly related to the clarity of scanned text, OCR accuracy is dramatically increased when you improve image quality.

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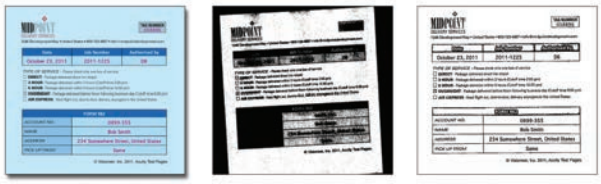
Invisible Integration with TWAIN and Visioneer® OneTouch®

As a standard software protocol and applications programming interface, TWAIN™ drivers control the communication between a software application and your scanner and serve as the primary user interface to the scanner from within applications. When combined with either a Visioneer TWAIN 2.1 certified driver or Visioneer OT Technology, Visioneer Acuity creates an integrated software solution that produces scanned images of the best quality possible.

Visioneer® OneTouch® provides the most elegant ease-of-use scanning experience. OneTouch is an easy-to-use utility that sends your scanned document to nearly any destination by simply touching a buttons on your Visioneer or Xerox scanner. The scanned file is automatically delivered to a folder, email, Microsoft Office application, a local or network printer, a custom application or even the cloud. The resolution, color depth, file format and paper size are all preset, but of course can be changed at any time. Now that OneTouch is integrated with Visioneer Acuity, the image enhancement features listed below are all available with the simplicity of one button scanning.

Original | Raw scan | Acuity scan



Above are examples showing the original image on the left, a threshold raw scan of that image in the center, and the Acuity enhanced scan on the right.

Visioneer Acuity Features

Page Corrections:

- Automatic Crop to Page White Background
- Automatic Crop to Page Black Background
- Edge Cleanup
- Automatic De-skew
- Automatic Rotate
- Manual Rotation (90, 180, 270)
- Blank Page Detection/removal (BPR)

Image Adjustments and Settings:

- Invert / Mirror
- Merge 2 sides into one image (Automatic with image height thresholding)
- Fill Margin Holes
- Flip back side image
- Background removal
- Smooth background
- Remove background
- Moiré Reduction
- Initialize white level from document
- Filters (Blur/Sharpen/Un-sharpen)

Threshold Options:

- Dynamic
- Error Diffusion
- Halftone
- Dither
- De-speckle

Advanced Color Dropout:

- Multi-stream (Color/Gray/Mono)
- Automatic Color Detection (non-color output gray)
- Automatic Color Detection (non-color output bitonal)
- Red, Green, Blue, Custom

For more information about Visioneer scanners visit www.visioneer.com

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