



Better Image Quality, Fewer Errors, Greater Efficiency, Easier Operation, ...all while substantially improving overall performance

In the early days of digital interlibrary loan and digital document delivery, available software was simple and image quality expectations of requestors were low. Times have changed. The demand for faster workflow and perfect, printer-ready images have made the current software environment complex, creating significant challenges in training new employees. BSCAN ILL simplifies existing processes and produces perfect, printer-ready images.

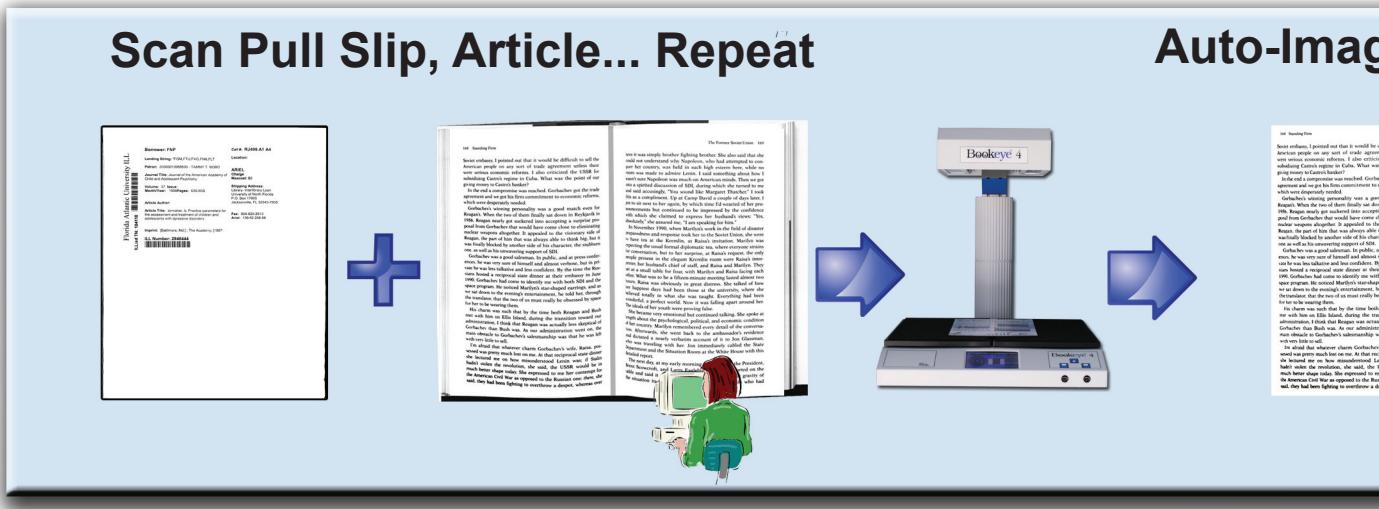
BSCAN ILL starts by eliminating the need to manually enter requestor information. BSCAN ILL automatically reads the information that is required by interlibrary loan document delivery software from scanned pull slips, not only saving time but also eliminating human error.

Powerful image treatment capabilities within the software automatically eliminate skew and remove unwanted fan and gutter. BSCAN ILL is compatible with practically all types of high production scanners. When used with planetary scanners and 11x17 inch or larger flatbed scanners, BSCAN ILL scans two pages at a time, automatically splits the pages and corrects for bookfold as well.

Finally, BSCAN ILL automatically sends requests through ILLiad/Odyssey, Ariel, RAPID, Clio, FTP or e-mail, and notifies ILLiad/Odyssey in each case, all without any need for further human intervention.

Scan Pull Slip, Article... Repeat

Auto-Image



Workflow Details

Identify Article & Requestor

After a user scans a pull slip, BSCAN ILL automatically reads the following information: article, requestor, delivery method and IP address, if applicable.

Scan Article

Scan two pages at a time, using the keyboard to delete unwanted pages. An optional foot pedal is available for even faster scanning. Once scanned, the article is passed to the automatic image treatment stage.

Automatic Image Treatment

BSCAN ILL automatically locates the content on each page, clips the content along with a preset margin for consistency, deskews and corrects curvature when necessary. When completed, the treated article images are passed on to the manual review stage.

Manual Review & Correction

This stage can be run after each article is scanned, or for greater efficiency, several articles can be scanned in sequence, automatically treated, queued up in this stage and reviewed at one time.

Send & Route

Each article is automatically sent via the delivery method specified. If an ILL department is using ILLiad and Odyssey to track completion and perform billing-related operations, BSCAN ILL can be configured to notify Odyssey that the article was sent even if it wasn't sent by Odyssey.

Resend

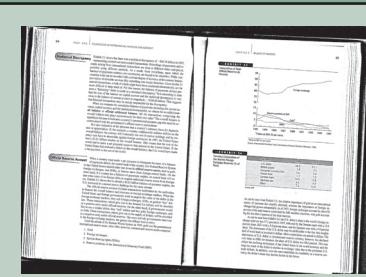
BSCAN ILL is capable of storing articles for a configurable number of days after they're sent. If an article must be resent, it can be reopened and sent right away or be edited first, for example by inserting or deleting pages.

Florida Atlantic University ILL	Borrower: FNP	Call #: RJ499.A1 A4
	Lending String: "FGM,FTU,FXG,FNN,FLT	Location:
ILLiad TN: 10410	Patron: 20300010968600 - TAMMY T. BORO	ARIEL
	Journal Title: Journal of the American Academy of Child and Adolescent Psychiatry.	Charge
	Volume: 37 Issue: Month/Year: 1998Pages: 63S-83S	Maxcost: \$0
	Article Author:	Shipping Address:
	Article Title: birmaher, b; Practice parameters for the assessment and treatment of children and adolescents with depressive disorders	Library- Interlibrary Loan University of North Florida P.O. Box 17605 Jacksonville, FL 32245-7605
	Imprint: [Baltimore, Md.] : The Ac	Fax: 904-620-2613 Ariel: 139.62.208.88
	ILL Number: 2946444	Page: 6 of 7 Article: 1 of 1
	Patron : TAMMY T. BORO	
	IP/email: 139.62.208.88	
	Doc ID : 39716	
	Delivery : Ariel	Update

BSCAN ILL automatically captures data directly from pull slips !

No more keying means no more keying errors

BSCAN ILL reads the requestor's name, the delivery method and IP address from the pull slip and uses this information to automatically route the electronic document to the appropriate document delivery software. After the article is sent, BSCAN ILL updates your document delivery software automatically. No extra keystrokes are necessary.



Avoid the poor results that photocopiers too often produce. BSCAN ILL automatically removes fan, gutter and black edges – even deskews the image.

Picture Workflow

Enhances and Reduces Errors

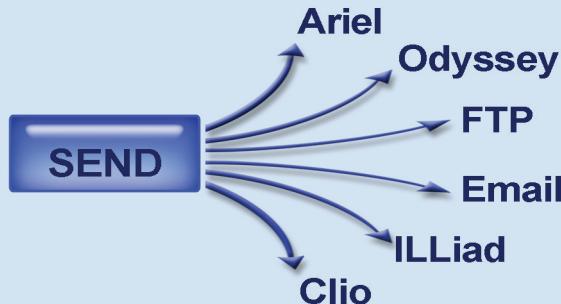
Image Treatment

Review

Send & Auto-Route

Finally we will now be able to make it work for the rest of us.

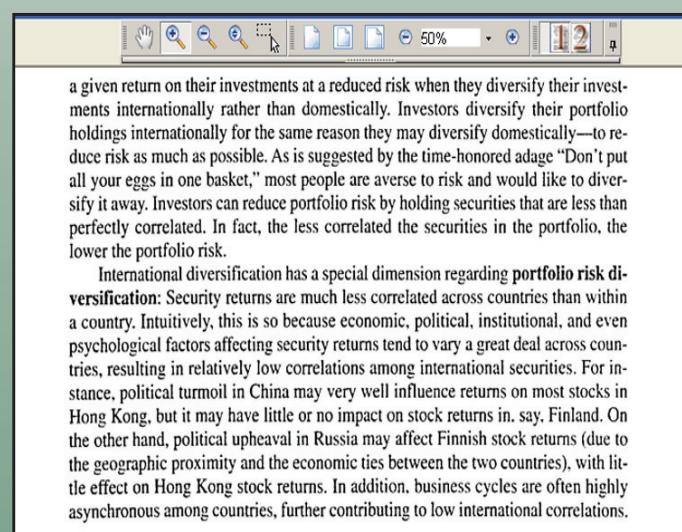
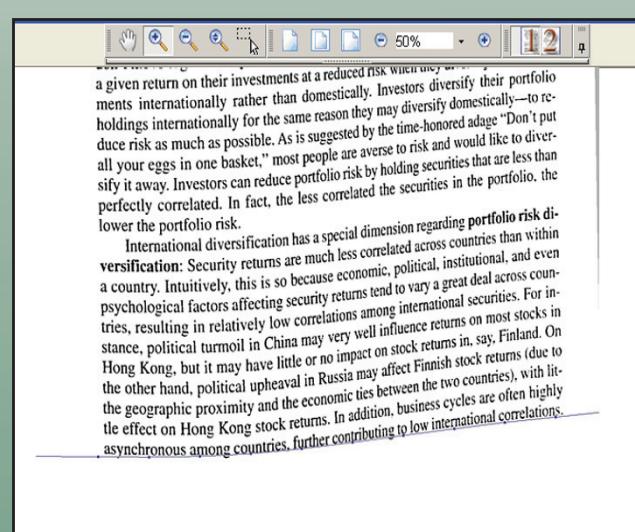
The Review section is where the user can make changes to the image. This is done by clicking on the image and dragging the mouse over the area that needs to be changed. The user can then click on the "Edit" button to make changes to the image. The user can also click on the "Save" button to save the changes made to the image.



Content Location and Automatic Margin Set



Bookfold Correction



Planetary scanners typically support bookfold correction, but for various reasons it doesn't always work and pages must be scanned again. While bookfold correction failures are less common with BSCAN ILL than with other products, BSCAN ILL also automatically retains a copy of the original image, so failures can be quickly corrected without rescanning.

Scanners make digitization possible BSCAN ILL makes digitization fast and easy



The Bookeye 4 is the most versatile planetary scanner for interlibrary loan use in its price range. It scans up to 17 x 24 inches in full 24 bit color at up to 600 dpi (300 dpi standard).



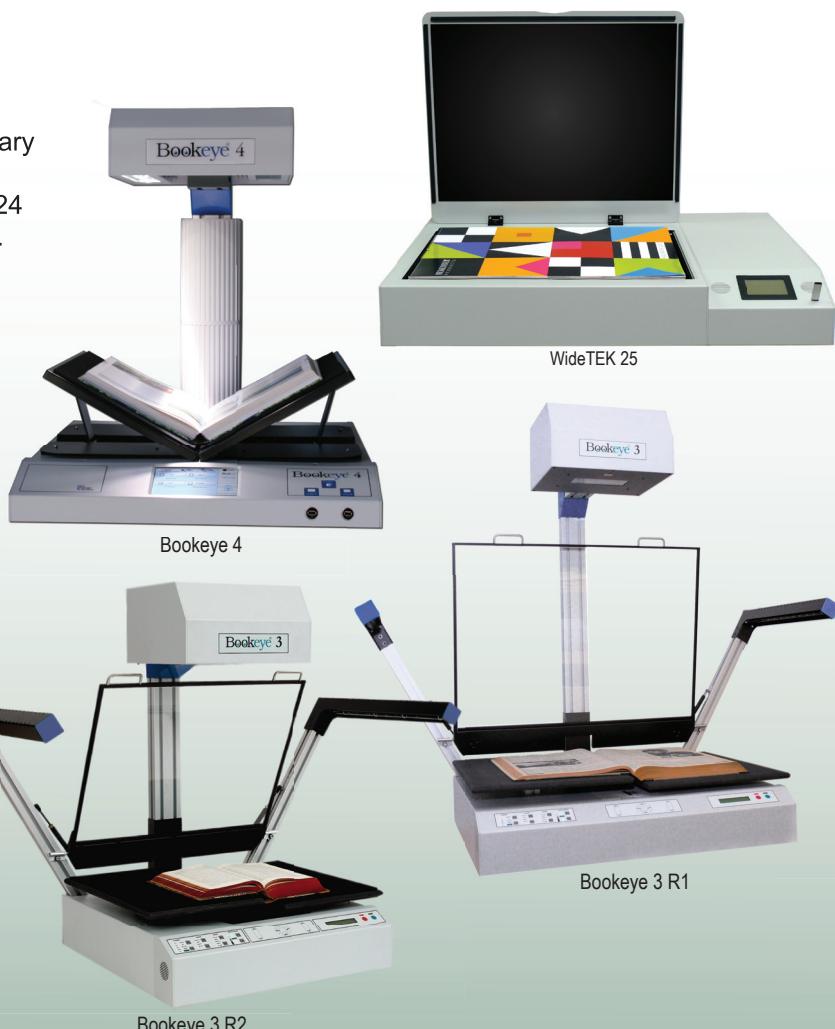
With a quick turn of the page, each pair of pages is scanned with the press of a button or optional foot pedal.

Once all pages are scanned, BSCAN ILL splits the pages, locates the content and provides high quality clean images.

The Bookeye 4 can also be used for scanning course curriculum materials, digital preservation and



BookEdge



Bookeye 4

WideTEK 25

Bookeye 3 R1

Bookeye 3 R2



The Bookeye 3 pictured here is the most versatile preservation quality scanner on the market. Pages can be scanned two at a time in 5 seconds and large objects - up to 24.8 x 35.4 inches - can be scanned in full color at 400dpi in 10 seconds.

Increasingly, scanners once built specifically for digital preservation are being shared between ILL and Preservation departments.



The WideTEK 25 flatbed scanner scans two pages at once in full color in just over two seconds. Its high scanning speed compensates substantially for the need to flip the volume over to turn pages. Once the pages are scanned, BSCAN ILL splits the pages, locates the content and provides high quality clean images. In addition, its native resolution of 600dpi produces preservation quality images.

Ask about support for your scanner.

Image Access and the Digital Library Systems Group



Since 1993, Image Access has been providing digitization workflow solutions to commercial markets. Having developed its own OCR, barcode reading and image treatment algorithms, Image Access is capable of meeting virtually any and all specialized digitization needs.

Motivated by a great lineup of hybrid library products under development, Image Access created the Digital Library Systems Group (DLSG) in 2004; a division whose sole responsibility is the ongoing development, service and support of the best hybrid library digitization products possible at prices that virtually any academic or research library can afford.

Over the years, the Image Access factory in Europe has produced a variety of high performance production scanners, including 600dpi book scanners with cool white LED lighting and built-in motorized cradle, large flatbed scanners that can scan 18x25 inches in full color in 3 seconds, and feedthrough scanners capable of scanning large drawings and both sides of full broadsheet newspapers simultaneously. All scanners are equipped with the revolutionary Scan2Net® Ethernet/HTML interface. In addition, the Image Access factory provides its state-of-the-art scanner electronics to several major commercial scanner makers.

Image Access U.S. remains focused on enhancing its digital library software products while Image Access Europe continues to develop new and better scanners. Together, we're committed to providing ideal digitization solutions to libraries and other research institutions for the foreseeable future.

Bookeye 4



OPUS
FreeFlow

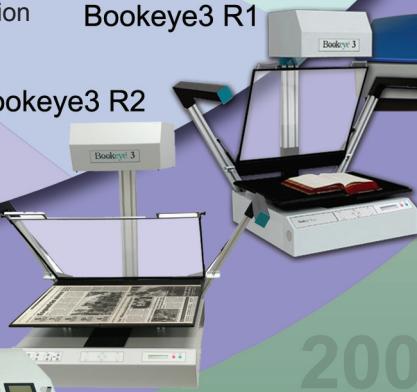
WideTEK 36



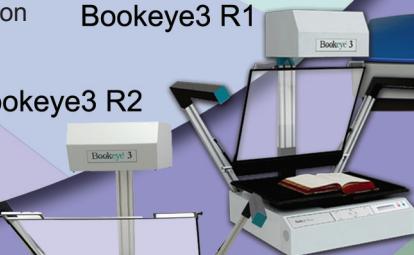
WideTEK 25



Bookeye3 R2



Bookeye3 R1



WideTEK Super B



2006

2011

2010

2009

2008

2007





Dramatically Improves ILL Digitization

"BSCAN ILL supports scanners made specifically for library digitization, improves image quality, reduces keying and keying errors and fully integrates with Ariel, ILLiad/Odyssey, RAPID, Clio, FTP and e-mail."

A fundamental tenet that has always bound the academic research community together is open sharing of newfound knowledge. Today, this open sharing is going on at a feverish pace and digital interlibrary loan services are the main vehicle. While many interlibrary loan departments regularly seek to acquire books and even DVDs for entertainment, scholars from all fields are becoming increasingly dependent on their ability to acquire journal articles in just one day.

The pioneers of interlibrary loan digitization had no choice but to adapt commercial scanning equipment to meet their needs. Ariel was the only available document

delivery software and there were no scanners made specifically for scanning books, journals and maps. Over time, that slowly changed. Planetary scanners became available in the late 1990s. The first release of BSCAN ILL automatically read (using OCR) the requestor information from pull slips without manual keying, supported rapid scanning and image cleanup, and automatically posted to Ariel with the press of a single button. Since then, ILLiad, Odyssey, Ariel, RAPID and Clio have been integrated with the same hands-off automation. Today, BSCAN ILL has a host of valuable features, many of which are not available anywhere else.

BSCAN ILL Product Features

- ◆ Allows for export of original uncompressed images
- ◆ Supports RAPID and Clio - a *BSCAN ILL exclusive*
- ◆ Allows for review and rescan of images prior to delivery
- ◆ Controls nearly all scanners used for interlibrary loan and document delivery
- ◆ Automatically selects the desired document delivery method - a *BSCAN ILL exclusive*
- ◆ Automatically reads requestor information from pull slips - a *BSCAN ILL exclusive*
- ◆ Automatically sends the document without intervention by a scan operator - a *BSCAN ILL exclusive*
- ◆ Provides a single, simple document delivery interface for ILL scanning staff - a *BSCAN ILL exclusive*
- ◆ Captures original "raw" uncompressed images and saves them to a database on the scanner workstation
- ◆ Automatically archives documents for fast and easy retrieval if a document must be resent - a *BSCAN ILL exclusive*
- ◆ Automatically updates ILLiad/Odyssey, even if the request is delivered by Ariel, FTP or e-mail - a *BSCAN ILL exclusive*
- ◆ Automatically produces 'printer-ready' images (deskew, removes fan, gutter, book curve, etc.) - a *BSCAN ILL exclusive*

Performance - Measured Using Various Scanners

Compatible Scanners 300 DPI B&W (1 bit/pixel)	Scan Area	Scan time two book pages ⁽¹⁾	Total time to scan, cleanup & send a 10 page article ⁽²⁾
Bookeye 4 (B&W/GS)	16.9 x 24.4"	4.2 seconds	106 - 120 seconds ⁽³⁾
Bookeye 2 ⁽⁴⁾ (B&W/GS)	16.9 x 24.4"	4.6 seconds	137 - 160 seconds ⁽³⁾
WideTEK 25 (B&W/GS)	17 x 25"	2.0 seconds	110 - 130 seconds
Bookeye 3 R2 (B&W/GS)	20.5 x 25.2"	6.1 seconds	151 - 180 seconds ⁽³⁾
BookEdge	11.8 x 17"	2.3 seconds	142 - 183 seconds

(1) Sweeping time only, does not include preview or transfer time.

(2) Time required to scan a ten page article, clean it up (e.g. deskew, remove fan & gutter), send the article and update the system.

(3) Turning pages is much faster with a planetary scanner than with a flatbed

(4) Included for comparison purposes only. This model has been discontinued.