KIC Bookeye® 4

Knowledge Imaging Center

T2T True 2 Touch

Capture, Copy & Collate Book Content
with Walk-up Scanning as Fast & Easy as Walk-up Copying

KIC is the most essential piece of equipment in our library.
-- Bill Hair, Associate Dean, Baylor University

CLOUD

Study, Report, Research, Collaborate ... Digitally

Join the Tablet & eReader Revolution

KIC Bookeye 4 is an indispensable tool for research, study and production of enhanced quality reports and papers with crystal clear color and black & white excerpts from books, magazines and very large journals. In addition, as a UDSA compliant digitize-on-demand system conveniently located among the stacks, KIC can be used as an ad hoc digitization station by Interlibrary Loan departments.

With its 600 dpi option, KIC Bookeye 4 systems are perfect as shared resources, capturing the finest details for digital archival and preservation.

The KIC Bookeye 4 can capture 20 book pages per minute for instant access on tablets, notebooks, smart devices and easy transfer to desktop PCs and servers. With a bed size more than 40% larger than its nearest competitor, Bookeye 4 is also the only high resolution scanner in the world that supports both v-cradle and flat modes, and can scan material as large as 24 x 17 inches.

Photocopiers, fax machines, PCs, monitors and keyboards clutter up otherwise beautiful libraries across America. KIC Bookeye 4 reverses that trend, replacing copiers and fax machines and adding scanning in a single machine with clean lines and efficient design.

DLSG Digital Library Systems Group at **Image Access**

www.DLSG.com

KIC Serves Over Half of Students at Universities in America

In the U.S. alone, KIC serves over four million students at the top "brick and mortar" (non-online) colleges and universities. With the introduction of the KIC BookEdge, KIC Click, and KIC Click Mini, KIC is now affordable for virtually all institutions of higher learning and full-service public libraries. Last decade, libraries typically 'added' several KICs, but since 2010 libraries have begun to replace their entire patron-use copier fleets with self-serve book scanning systems.

KIC's interface is so easy to use, it is just two steps!
-- Ramie Miller, Millersville University

Regarding KIC's T2T true two-touch interface, ... it's ten times better than the [competition] user interface.
-- Jeff Bernhard, Assistant Director for ITS Client Services & Support

Our librarians and patrons love our KIC systems.
-- Benjamin J. Chapman, Emory Law IT

We love the KIC scanner!
-- M. Alicea-Saez, Bentley University

These things are amazing!
-- Angie Class, Librarian, Sacramento Public Library

The KIC scanners are perfect. Getting them was the smartest thing we have ever done.
-- Melveta Walker, Director, Golden Library, Eastern New Mexico University

We are replacing all our copiers with KIC... We are thrilled with KIC.
-- Victor Cenac-Mehedinti, Archives Specialist, Fuller Theological Seminary

The KIC system is perfect - no problems whatsoever...we're extremely satisfied.
-- Jessica Drewitz, Head of Public Services, Pepperdine University School of Law

A True Digital Age Multifunction System for Academic & Public Libraries

Book Scanning

Students at academic libraries want speed, and DLSG offers the fastest book scanners on the market. Patrons at public libraries need simplicity, and KIC provides three of the simplest possible user interfaces, one exclusively for scanning, one exclusively for copying and one exclusively for faxing. And KIC's best-of-breed power user interface is only a touch away.

Copier Replacement

While multifunction copiers are partly digital, they are big mechanical machines with big maintenance issues and tiny touch screens. As a copier replacement, KIC eliminates copier failure/service problems and provides very large touch screens and view screens that are larger still. Organizing (collating, clipping, rotating, etc.) pages on a huge touch screen is much easier than shuffling paper.

The digital age has steadily driven down the demand in libraries for paper copies to levels that make it increasingly difficult to justify copiers. KIC self-service scanning systems reduce copier use further — to the point that attaching a small laser or ink jet printer is sufficient. KIC systems also handle much larger materials than copiers, and they scan books without damaging them. However, the most compelling benefit of KIC over copiers is KIC's speed, due mainly to its face-up scanning design, which is not only significantly faster, but far easier to use.

Self-Serve Fax

KIC's huge touch screen and larger view screen make faxing extra easy. Users can compose, review, clip, crop and change brightness and contrast of the pages of a fax before sending. KIC's step-by-step process is designed for easy operation by even the most timid users. All you need is an internet connection, and DLSG will provide the rest at a cost so low that fax revenue can pay for the KIC system in a few years or less.

KIC Coins

Printing copies and faxing have per page costs that normally must be passed on to the user. KIC has a free, built-in method of charging users for copies and faxes.

Simply print "KIC Coins" in any denomination that you like, and sell them to users at the circulation desk or wherever you collect fees for late book returns.

KIC Compatible with Copy Card & Cash Systems

All KIC systems are compatible with all standard copy card and coin-op devices. Since KIC transfers images to users' computers electronically, costly expendables are avoided, even for color! The library can opt to keep all revenue it collects.

KIC Bookeye vs. Copiers - How KIC Compares

Copiers are Outmoded

Since the first KIC was delivered to an academic library in 2004, the days of photocopiers for patron use in academic libraries and even public libraries were numbered. And now with the rapid explosion of tablet computers and electronic readers, the demand in academic libraries for electronic copies has substantially outstripped the demand for printed copies. The demand for electronic copies in public libraries is also reaching a tipping point.

The ability to capture virtually unlimited numbers of pages of research into a tablet or electronic reader and search through that material on the Internet with a tablet, eReader or notebook PC that can be used just about anywhere is highly convenient and immensely valuable. In this digital age, academic libraries are compelled to go hybrid for three reasons: 1) the high demand for digital content; 2) their existing print collections contain vast amounts of information that cannot be found on the Internet; and 3) students are receptive to the price of electronic copies – typically free.

So how do the costs of KIC systems compare with those of photo copiers? There are three main factors that keep the cost of photocopies high: 1) each copy requires paper, toner and ink; 2) photocopiers require a lot of maintenance due to the number of moving parts; and 3) all major photocopier brands use a distributed service model.
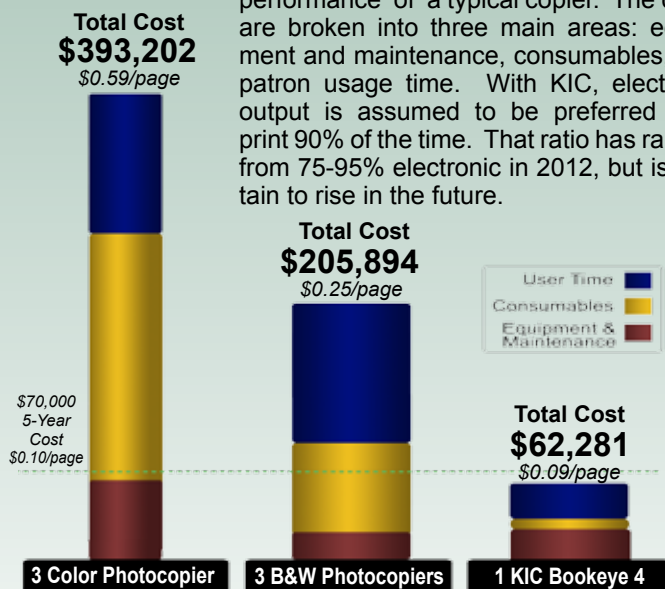
In contrast, these costs are lower for KIC because KIC has split the scan/copy functions into three separate machines, choosing the best of breed for each. As a result, KIC offers the best book scanners by themselves or with a loose-leaf paper (ADF) scanner. Virtually any off-the-shelf laser or inkjet printer can be added to any KIC system, so you can optimize costs and speeds, and offer affordable color.

ADF attachment scans
40 loose-leaf pages/min
(20 sheets per minute)

KIC Bookeye 4 Scanners vs. Copiers

This graph compares the total costs of one color KIC Bookeye 4 system with three color copiers and with three black and white copiers. Both copiers are the kinds typically seen in academic libraries. One KIC Bookeye 4 is compared with three copiers because its face-up operation yields well over two times the performance of a typical copier. The costs are broken into three main areas: equipment and maintenance, consumables, and patron usage time. With KIC, electronic output is assumed to be preferred over print 90% of the time. That ratio has ranged from 75-95% electronic in 2012, but is certain to rise in the future.

Total Cost
$393,202
$0.59/page

Total Cost
$205,894
$0.25/page

| User Time |
| Consumables |
| Equipment & Maintenance |

$70,000
5-Year
Cost
$0.10/page

Total Cost
$62,281
$0.09/page

| 3 Color Photocopier | 3 B&W Photocopiers | 1 KIC Bookeye 4 |

A Five Year Comparison at a Usage Rate of 150,000 pages per year

The KIC numbers above represent a five-year savings in excess of $143,000!

No More Book Spine Damage!

Thick books with stiff spines and content that runs deep into the bookfold are often damaged when copied. KIC Bookeye 4 easily captures content without damaging book spines.

KIC automatically removes black edges, straightens content, and produces clean, professional looking images — important for electronic reserves, course curriculum materials and research reports.

These automatic image treatment functions also save a lot of administrator, faculty, and student time.

Thick Books...No Problem

KIC Bookeye 4 handles thick books beautifully. Its contour-finding laser allows it to flatten even the most curved books and produce text that is clear and undistorted. KIC automatically adds margins for print-ready image quality.

KIC Bookeye Scans 3 Times Faster

Statistics from five million scanning sessions across America revealed a median session length of 23 pages. So, most of the time spent during a KIC session is spent scanning. Face up scanning has been proven to be three times faster than face down scanning.

So why is speed so important?

- It's economical. One KIC Bookeye can replace multiple copiers or other face-down scanning machines.
- It gives patrons another reason to visit your library.
- It's green. The faster it is, the more use it will get and the less the copier will be used.

Color Images are Free

In the digital world, there is no paper, toner or ink, so libraries rarely charge for images, whether black and white or color.

Color Copies for Less

Over the years, many libraries experimented with color copiers, but could never find a formula that worked. If the fees were low, patrons would copy materials with so much color that the library would spend more on ink than the fees they were collecting. If the fees were too high, the usage would be so low that the cost of the machine couldn't be justified.

KIC calculates the amount of color in an image before it is printed. So the fee for copies with a little bit of color can be the same as the fee for black and white copies. If a copy has a lot of color, the fee can be increased in proportion to the cost of the color ink or toner. This wonderful feature should be a simple, easy byproduct of the digital age, and it is with KIC.

Beautiful Images - Fast and Easy, and Nondestructive

Face-Up Scanning is Faster!

KIC Bookeye 4 walk-up scanning stations are face-up scanners that save a lot of time and reduce book spine damage because they capture two face-up pages of a book with each scan and do not require the user to flip the book twice for each page. KIC analyzes each image, and automatically splits it into two separate images.

In addition, black edges are automatically removed and the content is straightened, producing clean, professional looking images — important for electronic reserves, course curriculum materials and research reports. These automatic image treatment functions also save a lot of faculty, administrator, and student time.

Face-up scanning is faster, easier, and it eliminates spine damage
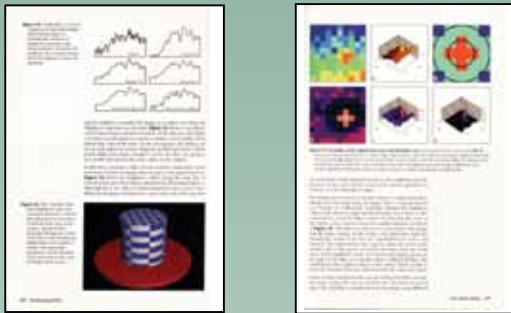
Text is clear and undistorted. KIC automatically adjusts margins for print-ready image quality.

Capture Area Comparison

The capture area of copiers is about half that of KIC Bookeye 4 while the capture area of typical consumer scanners is smaller still. With a 18 X 24 inch capture area, Bookeye 4 captures it all!
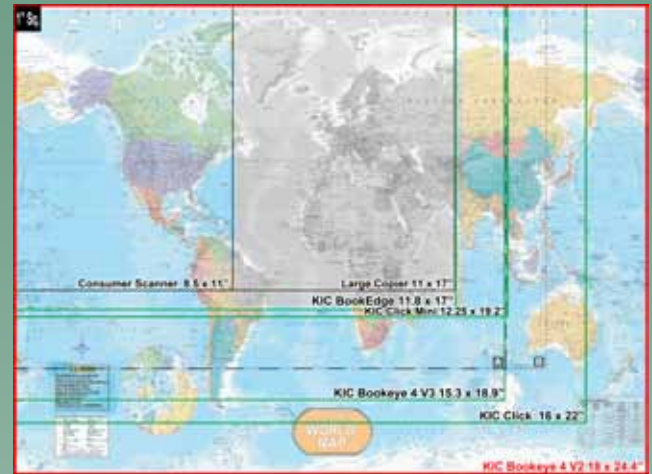
Competing face-up book scanner A 14 x 18.9"
Competing face-up book scanner B 14 x 20.5"

Scan Oversized Reference Books

◀ *With the view screen on the side, the Bookeye 4 neck provides an ideal bookstop for scanning very large reference books. KIC True2Touch provides full rotation capabilities so that you can scan in the orientation that suits you best.*

The Bookeye 4 V2's 600dpi Option

With its 600dpi option, Bookeye 4 is the only true preservation quality book scanner that's also ideal for self-service.

To capture moving objects, digital cameras must use array CCDs, which capture all parts of the object at the same instant. That's why affordable digital cameras have fewer than 50 megapixels. And those pixels must be further divided into red, green and blue sub-pixels.

Since books don't move while being scanned, the Bookeye 4 is able to utilize linear CCD technology to produce ultra-clear images with astounding 140 megapixels. Each pixel in a linear CCD includes full red, green and blue sub-pixels. However, high resolution scanning is meaningless if the lens system does not produce highly focused images. Since ultra-high resolution "spy satellite" lenses are quite expensive, the Bookeye 4 scans from left to right, allowing it to follow the curve of an open book and maintain excellent focus, whether in V-mode or flat mode.
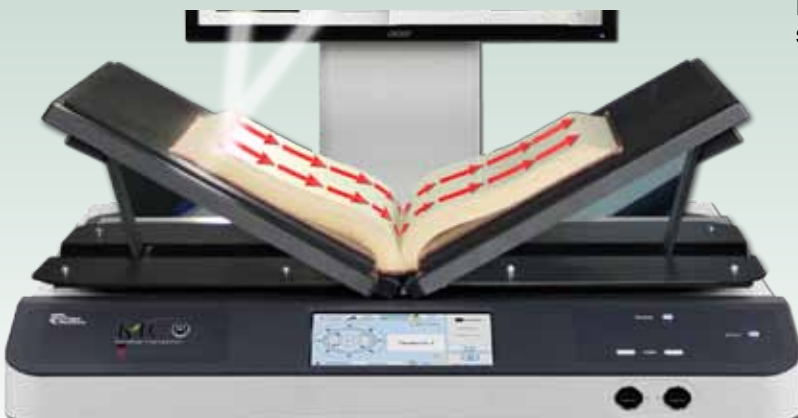
◀ *The Bookeye 4's left-to-right scanning allows it to follow the contours of virtually any book, producing better 600 dpi images than other book scanners that claim to produce 600 dpi images.*

True 2 Touch™ User Interface

Ease-of-use is a central feature of KIC. Its large, 22 inch touch screen and its large "Scan" and "Save, Send or Print" buttons that occupy a very large portion of the touch screen clearly convey how easy KIC is to use. The Save button defaults to an output method and file format that is selectable by the institution. If a flash drive is inserted, KIC detects this and the output button changes to indicate that it will save to the flash drive. Users can override the default output method by manually selecting one or more other methods of output.

KIC Bookeye 4's high speed is derived as much from its ultra-simple, true two-touch interface as from its face-up design that obviates the need to flip books over and over again during the capture process.

KIC Bookeye 4's elegant design puts the full KIC self-serve digitization functionality into a compact and appealing space. Its 17" touch screen and large preview screen and capture surface are at the perfect height for wheelchair access. The KIC Bookeye 4 also offers an optional desktop configuration with a single 22" touch/preview display.

- Copy two face-up, full-color pages up to 17 x 24" with a single touch
- Create full color electronic images and/or paper copies
- Review electronic images *before* saving or printing copies
- Collate by dragging images into proper order with your fingertip
- Select file formats such as PDF, JPEG, PNG, & TIFF
- Create audio (MP3) output with the touch of a button
- Transfer images directly to your tablet or smart phone using its camera (requires WiFi hotspot)
- Simply place your smart device on KIC's optional SmartDock and with just two touches, you are ready for very high-speed transfer.
- Sending scanned images via email is also fast and easy with hot-keys that are pre-programmed with your institution's base email address.
- Output to Google Docs / Google Apps for Education and other cloud-based tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash memory device and KIC automatically selects USB output.

KIC Bookeye 4
Tabletop Model

The tabletop model KIC Bookeye 4 has all the True2Touch capabilities of the full-size KIC. It has its own tabletop version of the SmartDock, and of course, an ADF scanner can be placed anywhere on the table. ADA compliance is achieved by purchasing a table with a 30 inch clearance to the floor and a 31 inch height.

KIC SmartDock™

The Fastest, Easiest Way to Transfer Images to Tablets, Notebook PCs, eReaders & Smart Phones

Use the optional KIC SmartDock to transfer 10-20 full-color pages per second to any smart device without using any of your institution's precious WiFi bandwidth.

KIC Bookeye 4 shown here with SmartDock option

Your Choice: Scan Face-Down or Face-Up

Faster is also Easier

Face-up book scanning is far easier on both patrons and books and quite a bit faster than face-down scanning.

Scanning books face-up makes it much easier to keep track of what pages you've scanned. With KIC Bookeye 4 and other face-up scanners, books stay face up, so you can see what you're scanning as you scan it. This extra visibility eliminates the age old problem of skipping pages and scanning pages out of order which can occur with face-down scanners.

The following photo sequences show the reason that face-down scanning systems are typically 1/3 the speed of face-up systems. The book flipping necessary to scan a book on a face-down scanner like the KIC BookEdge is shown in the photo sequence below. It's a workout both for the book and the patron.

The ergonomic design of the face-up scanning sytems involves only the basic movement required to set a book down and turn a page.

Face-Down Capture [a seven-step procedure]

Face-Down

Commercial Scanner

Photocopier

Scan 2 Pages | Lift Book | Flip Book | Turn Page | Flip Book | Lay Down | Position Book | REPEAT

VS

Bookeye 4 V3

Face-Up Capture [a two-step procedure]

Face-Up

Click | Scan 2 Pages | Turn page | REPEAT

The sequence above shows just how much work is required to use a face-down scanner to scan multiple pages.

In contrast, the sequence on the left shows the relative speed and ease of face-up scanning systems that do not require the user to flip over the book being scanned. Once placing the book, the user simply turns pages and presses the scan button (or foot pedal) to scan two pages at a time.

For Public Libraries
Introducing KIC to Your Patrons

Touching [COPY] will activate a very simple 'copier' interface with a large copy button that scans and immediately prints.

Touching [FAX] will activate a very simple 'fax machine' interface.

▲ *KIC has a special introductory interface. For the first year in a new location, KIC can be configured to display three or four simple buttons: [COPY] [FAX] [SCAN] and [POWER USER].*
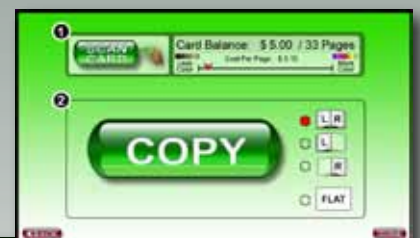
KIC Makes Your Print Collections Searchable

Search hundreds of pages of PDF or text files created in just minutes using KIC Bookeye 4

Users need only locate the volume(s) that they expect to contain the information they are seeking, scan selected sections and output either a searchable PDF file or a text file. These files can easily be searched for various keywords.

Keyword searching is becoming an indispensable capability that significantly improves the quality and efficiency of researching print collections.

- Access more sources DIGITALLY
- Find information faster
- Deliver results in digital form
- Get your research in digital form

2 Output text or searchable PDF directly to a tablet, e-reader, PC, smart phone, Cloud storage, USB, or email.

1 Scan selected excerpts from multiple sources in just minutes.

CLOUD

PDF
PDF Adobe

Help

human rights

3 Search all scanned pages in an instant for various key words and...

that multiple schools of thought influenced his research. The importance of human rights in developed countries is an area of study of particular concern in countries with under-formed or totalitarian governments.
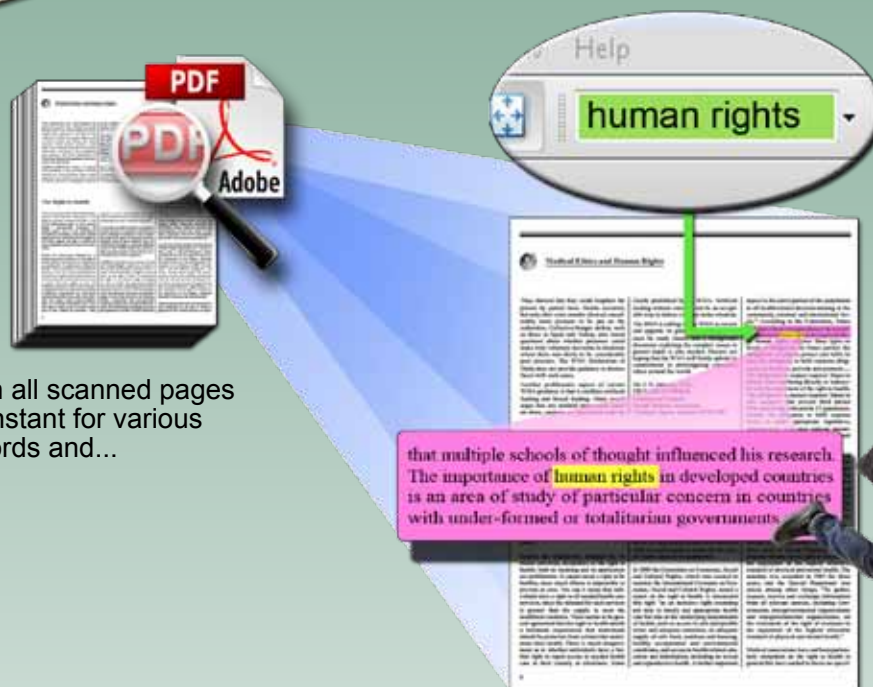
...be on your way.

KIC Fleet Management

Monitor Usage Statistics at a Glance

Control, update and monitor your KIC systems remotely. To better serve your patrons, it is important to know which KIC systems are used the most and at what times during the day and week, and which are used the least. All usage statistics can help you to determine the best KIC configuration for each site. And to make it easier to navigate from KIC to KIC system, KIC Fleet Manager allows you to select a particular KIC system via either of two methods: a map or a list.

With over ten years serving libraries, KIC is the most stable product available today. However, DLSG engineers incessantly work to improve KIC and support the growing changing digital world. DLSG offers improved software regularly, and in order to make it easier to deploy updates, KIC Fleet Manager lets you update KIC systems remotely. For example, a recently released feature lets you turn KIC systems on and off on demand or on a schedule set by a central control panel.
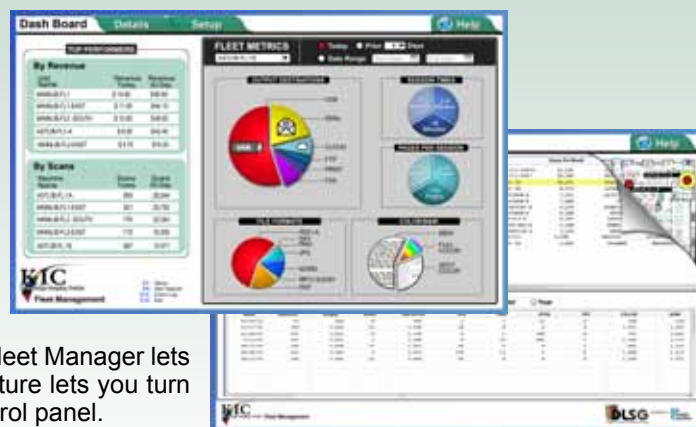
In case you didn't know ...

...what you can do with scanned images

Enhance Reports

Place books face-up on KIC Bookeye 4's large bed & capture two pages at a time — *much* faster than flatbed scanners and copiers.

Use whole pages or clip selected pictures, graphs, text, etc. using KIC's large touch screen.

Save scanned images to USB flash drive or cloud storage, send them via email address or transfer images directly to a tablet, notebook PC, or smart phone.

Enhance reports in a word processing program. Drag desired images from a flash drive, Cloud storage or email directly into a word processing program, or save images to your computer desktop and use the 'insert picture' function.

Once images are imported into a word processing program, you may want to resize or reposition them or select from several ways that your text can wrap around the pictures.

Personal & Family Documents

Library patrons bring loose paper from home to scan, fax and send via email or save to a USB device. A $5 USB thumb drive can store thousands of important documents.

Many citizens don't have a safe, reliable place to store and organize their important documents. Documents scanned at the local library can be viewed with any low cost smart phone.

For Study

Quickly scan many pages to take with you and study at your convenience in the comfort of your home where you can read, search, markup, and print at your leisure.

Book Excerpts

With KIC in your library, instructors are no longer restricted to a single text book. They can freely assign many excerpts from many books without adding to the students' already high cost of text books.

"I selected excerpts from eight books and created the text book I use for my Civil War class."

Course Materials   **Class Notes**   **Class Handouts**
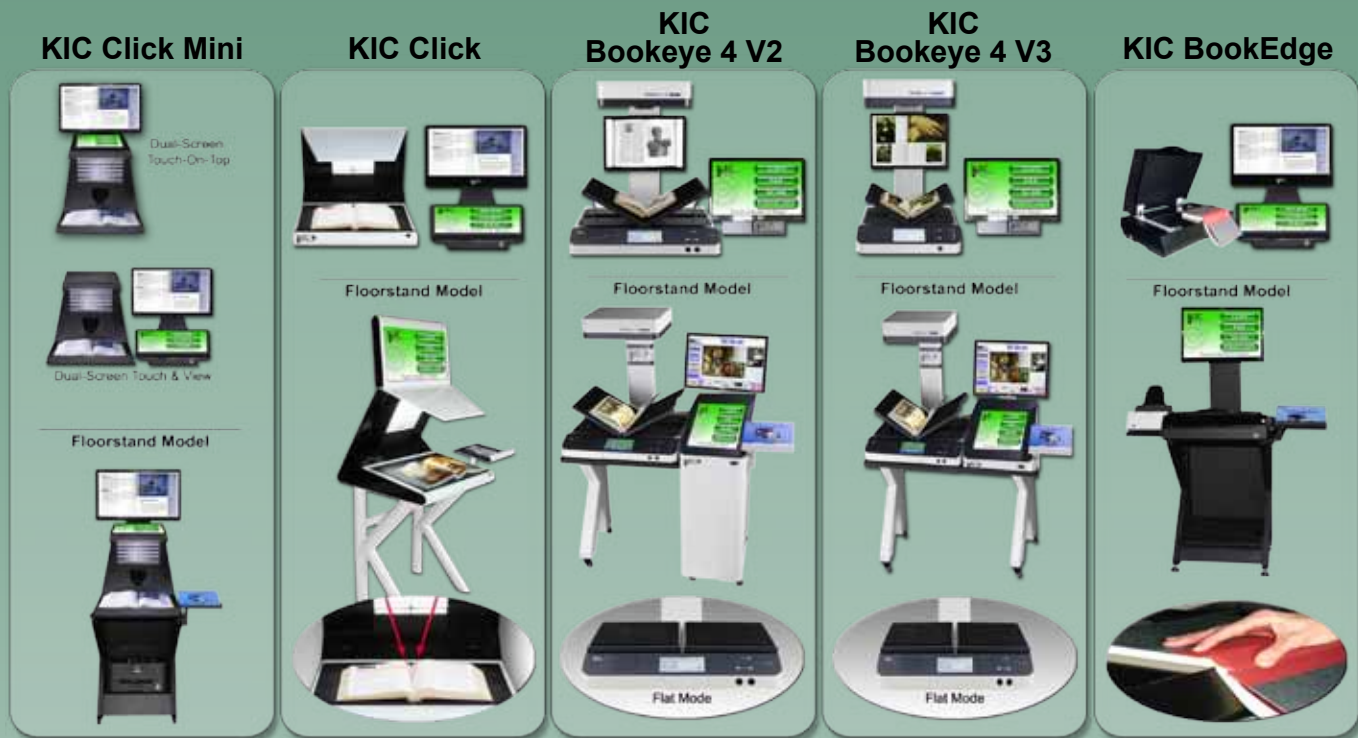
Scan Journals for Research
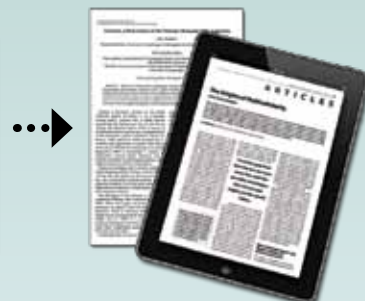
Scan Artwork

Scan Large Maps & Drawings

The KIC Product Family

Your dollars go futher with our complete KIC product line. Every institution would like to have at least one large KIC system, especially for reading rooms and reference sections, but not all library floor locations require a large system. Our array of products lets you get as many bigger systems as you need and fill out the rest with lower-cost systems.

KIC Click Mini	KIC Click	KIC Bookeye 4 V2	KIC Bookeye 4 V3	KIC BookEdge

Dual-Screen Touch-On-Top · Dual-Screen Touch & View · Floorstand Model · Floorstand Model · Floorstand Model · Floorstand Model · Floorstand Model · Flat Mode · Flat Mode

Legend: ●=Yes ○=No ◐=Partial ★ Exclusive Feature!

KIC Feature Comparison

	KIC Click Mini	KIC Click	KIC Bookeye 4 V2	KIC Bookeye 4 V3	KIC BookEdge
Material Handling & Optics					
Speed	●	◐	●	●	○
Oversize Flat & Very Large Books	○	◐	◐	◐	○
Face-up Scanning	●	●	●	●	○
Flatbed with book edge feature 120°	○	○	○	○	●
Capture books open 120° or 180°	○	○	●	●	○
Scan sweep follows book contours	○	○	●	●	○
Face-Up V-Cradle and Face-Up Flat-Mode ★	○	○	●	●	○
24 Bit Color	●	●	●	●	●
300 dpi Output	●	●	●	●	●
400 dpi Output	○	○	●	●	●
600 dpi Output	○	○	◐	○	●
Output Formats					
Basic PDF, JPEG, PNG	●	●	●	●	●
Searchable PDF, Editable Text (OCR)	◐	◐	●	●	◐
MP3 Audio (TTS) ★	◐	◐	●	●	◐
Google Docs, Cloud, Dropbox	●	●	●	●	●
USB, Email, FTP, Admin Folder	●	●	●	●	●
SmartDock™ ★	●	●	●	●	●
Tablets, eReaders & Smart Phones	●	●	●	●	●
Copier Replacement Capabilities					
Automatic Document Feeder	◐	◐	◐	◐	◐
Collate	●	●	●	●	●
Black&White and Color	●	●	●	●	●
Dedicated Printer Support	●	●	●	●	●
Automatic Document Feeder Option (1)	◐	◐	◐	◐	◐
Multiple Shared Printers	●	●	●	●	●
Charge for Prints via Pharos	●	●	●	●	●
Charge for Prints via Blackboard, ITC Sys, CBord, Diebold, Copicard, Danyl Sys, Debitek, Gen Meters, Jamex, Pharos, Vendapin, Virtual Cash, etc.	●	●	●	●	●
User Interface Features					
True2Touch ™ ★	●	●	●	●	●
Separate Preview Screen	◐	◐	●	●	◐
Full-Size Preview	●	●	●	●	●
Large Touch Screen (24 inches)	●	●	●	●	●
ADA Support	Software	Software	Software	Software	Hardware
Image Processing Abilities					
Clip, Rotate	●	●	●	●	●
Crop, Split Left & Right Pages	●	●	●	●	●
Correct Book Curve	●	●	●	●	●

(1) Available for all desktop versions of KIC
(2) Optional

The Hybrid Library

To fully earn the 'hybrid library' designation, a library's existing print collections must be available in digital format. KIC systems allow your students and faculty to select material for quick and easy self-serve digitization, providing a valuable conduit between your print collections and patron tablets, PCs, eReaders and smart devices.

KIC's self-serve digitize-on-demand capabilities leverage your library's most valuable assets — its print collections. Digital images don't have the limitations of physical copies. They can instantly be shared with fellow researchers around the world via email or Cloud, dramatically facilitating collaboration.

KIC avoids the digital rights management conundrum. Each digitization is for a single use, but thousands of patrons can digitize content from the same book, yet preserve the book's spine.

Resource Sharing

We know the importance of resource sharing. To help squeeze more value out of your investment, KIC systems can be configured to support the BSCAN Interlibrary Loan system, the Opus Digitization Workflow system, and general ad hoc scanning.

Use a USB flash drive to enable these other types of scanning at a KIC station and temporarily access shared folders on a network. When you unplug the flash drive, the KIC station automatically resumes its regular self-serve scanning station functionality.

KIC Bookeye 4 V2 Technical Specifications

Output Color Depth	24 bit color, 8 bit grayscale & 1 bit B&W
Max Capture Area	24.4 x 18 inches
Resolutions	150, 200, 300, 400, 600 dots per inch
Digital File Interfaces	USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only)
Image Output Formats	PDF, JPEG, PNG and TIFF rich text and searchable PDF (optional)
Audio Output Formats	MP3 audio text-to-audio (optional)
Printer Interface	10/100/1000 megabit Ethernet or USB 2.0
Printed Output Formats	8.5 x 11", 11 x 17", simplex, duplex, color & 13 x 19" monochrome (printer not included)
Image Treatment Functions	Split pages (left & right), clip, crop, change brightness/contrast, change resolutions (dpi), select color, grayscale, or B&W
Maximum Speed	0.7* sec / 1 page of 8.5 x 11" book 1.1* sec / left & right pages of 8.5 x 11" book 1.8* sec / full bed scan
Document Formats	Autoformat w/edge recognition, Letter, Legal, A2, A3, A4, A5
Lamps	White LED's, no IR/UV emission
Dimensions (HxWxD)	Tabletop Model: 31 x 46 x 26 inches K-stand Model: 63 x 45 x 28 inches
Weight	Tabletop Model: 120 lbs (Includes PC) K-stand Model: 310 lbs (Includes PC)
Power Consumption	Approx 230W Operation

* Transfer & Preview Times Not Included

Premium Maintenance Plan

Image Access has an unmatched service and support record. It is impossible to affordably provide service personnel living in every city and town across America that are highly trained on the very special technologies needed by libraries. Instead, DLSG designs remote serviceability into its products and has perfected remote diagnosis and when possible, repair.

The resulting savings allows DLSG to frequently and promptly provide loaner/swap-out equipment and to go on site whenever necessary to maintain and repair equipment, minimizing interruptions in service for your patrons.