

# KIC BookEdge

CAPTURE, COPY, FAX & COLLATE BOOK CONTENT In a 2 x 2 Foot Floor Space





KIC's T2T true two-touch interface is "ten times better than the [competitor] user interface."

– Jeff Bernhard, Assistant Director ITS Client Services & Support



# Slash paper and ink costs with the innovative KIC BookEdge self-serve scan and copy system!

The days of the photo copier on the library floor are over. Students demand digital, and your print collections are too valuable not to make them available to the majority of college students today who see copiers as "old school."

Occupying less space than a floor standing copier and offering 12x17 inch book-edge scanning, KIC BookEdge provides the next best thing to face-up scanning in a form factor that's small enough to fit in the far corners of any library! And its cost is small too.



But don't let its size fool you. KIC BookEdge systems provide the same extensive capabilities as our heavy duty KIC systems: fast scan/copy/fax/print, image editing and collating, save to tablets, smart phones, notebook PCs, USB drives, and Cloud, send via email or FTP.

What's so special about KIC systems is how easy they are to use with their True2Touch interface and very large touch screens. Students enjoy unlimited, fast and easy access to entire library collections, *digitally*. It's not often that a service becomes so popular with students so rapidly. It's fitting that KIC systems are frequently purchased using student technology funds.





#### 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.



#### 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.



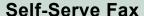
#### Copier Replacement

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. Rotating and organizing pages on a huge touch screen is much easier than shuffling pager.

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.



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 wallet-size "KIC Coins" on regular letter-sized paper in any denomination that you like, cut them out, and sell them to users at the circulation desk or wherever you collect fees for late book returns.



#### **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.

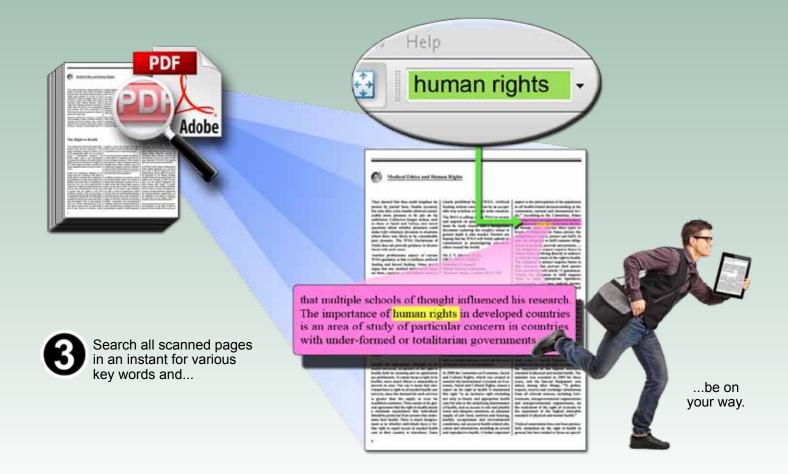
- Access more sources DIGITALLY
- Find information faster
- Deliver results in digital form
- Get your research in digital form.





Scan selected excerpts from multiple sources in just minutes.

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



#### KIC BookEdge 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 hundreds 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) photo-

copiers 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.



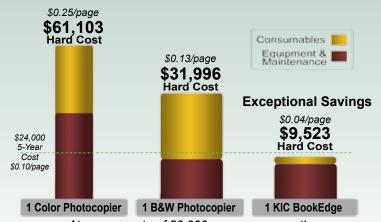
ADF attachment scans 40 loose-leaf pages/min (20 sheets per minute)

#### KIC BookEdge Scanners vs. Copiers

A Five Year Comparison at a Usage Rate of 50,000 pages per year

This graph compares the total costs of one color KIC BookEdge system with a color copier and a black and white copier. Both copiers are the kinds typically seen in academic libraries.

The costs are broken into two main areas: equipment and maintenance, and consumables. With KIC BookEdge, 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.



At a usage rate of 50,000 pages per year, these numbers represent a five-year savings of \$36,358!

#### **Capture Area Comparison**

With a large 11.8 X 17 inch capture area, the KIC BookEdge system has a maximum capture area that is 7% larger than large copiers and more than twice the size of typical consumer scanners. The image below shows the maximum scan areas of KIC products compared to copiers and other book scanners.



□ - - Competing face-up book scanner A 14 x 18.9"
□ ------ Competing face-up book scanner B 14 x 20.5"

#### **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.

#### No More Book Spine Damage!

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

spine. 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.





The scan-to-the-edge feature avoids damage to book bindings

## 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.



#### **Charge for Prints Only...**

or charge more for prints, less for images. When it comes to cost recovery, KIC systems have got you covered. KIC's fee administration feature lets you charge different amounts for color, B&W, 8.5 x 11" and 11 x 17" images.

#### **Copy Card Compatibility**

ITC Systems 1010 NetLink ITC Systems 7010 NetLink Access Control Devices EX2000 Blackboard CR1120 Blackboard CR1122 Blackboard CR3000 CBord C2005 Diebold C2005 Copicard CX125 Danyl Systems
Copy terminal
Debitek DCT Family of readers
General Meters
DCT-2
Jamex 7110
Pharos PS100
Pharos Omega
series terminals
Vendapin 5500
Vendapin 5596
Virtual Cash Vending Terminals





#### New models from major system vendors are supported as they become available

#### **Compact & Affordable**

The KIC BookEdge is the perfect choice for student walk-up scanning and copying in areas where space is a premium. It makes entire library collections available in digital form. The KIC BookEdge's clever design allows users to scan pages right up to the bound margin near the spine, without damaging books. The KIC BookEdge produces beautiful, full-color images at no additional cost over black & white images! Even searchable PDF's and text-to-audio (MP3 files) are a snap to create.

The KIC BookEdge was specifically designed to occupy the same space as a typical floor-standing photocopier. Replacing outmoded copiers in academic and research libraries is easy with KIC BookEdge's modern scanning, printing and interactive computerized touch screen technology. The optional ADF scanner and a printer gives the KIC BookEdge the functionality of a color copier at a fraction of the cost.

#### **Convert Loose Paper to Digital**

Scan and save a 40-page article in one minute using KIC's duplex ADF scanner option



Digital copiers are very mature products that certainly have their place in business and administration environments, but not the library floor. With its book edge feature that protects the spines of books, its ADF option that scans one or both sides of 20 loose-leaf pages per minute, and a generic high-speed printer, KIC gives new meaning to the phrase 'copiers are so old school.' When compaired with copiers and MFCs, KIC book scanners are the only intelligent choice for the library floor.

# T2T

#### True 2 Touch<sup>™</sup> User Interface

Ease-of-use is a central feature of KIC. KIC BookEdge's large 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 BookEdge's smart design includes the full KIC self-serve digitization functionality in a mere 25 inch width. It's large, 22 inch touch screen and capture surface are at the perfect heights when placed on a typical table or desktop. The KIC BookEdge also has an optional matching "k-stand" for freestanding operation.



KIC BookEdge Tabletop Model

Both floorstanding and tabletop system configurations have an optional SmartDock feature, which provides a convenient place for the user's tablet, notebook PC, or other smart device while scanning.

- Copy two face-down, full-color pages up to 11.8 x 17" 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, even MP3 (audio)
- 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's True2Touch<sup>™</sup> User Interface, Especially Forgiving for Beginners

- KIC is very agile, and allows the user to jump from just about anywhere in the touch screen system to just about anywhere else, directly and usually with a single touch. This modern, 'modeless' design is easier to use, but difficult to create.
- KIC's large buttons and controls are easy to use, even for people with unsteady hands.
- KIC gradually expands and contracts controls such as brightness, contrast and DPI so users can easily follow their screen activity
- KIC doesn't delete original images when you clip a photo or excerpt of text unless you tell it to.
- KIC lets you output to many different destinations in a single session.
- Once you've scanned a document, you can change your mind as to where you would like it to output. For example, you may have wanted to save to USB, but learned your USB drive is full. Or you may scan so much that it exceeds your email limit. Or after scanning and collating a mass of research, you decide that you want to share the research with others.

# Scan Save to USB or Send Email

#### **Two Large Screens for Simplicity & Power**

It's easy to undervalue screen size. For 20 years, all cellphone makers relentlessly pursued smaller and smaller screens until very recently when one company reversed that trend. They realized that people want the largest screen that will fit in their pocket/purse and hand. This is because display screens are our window to the digital world, and touch screens give us control over that world.

As big as self-serve scanning systems are, it makes sense to have a very large touch screen. And with the low prices for high quality displays, it is compelling to add a separate display screen. In 2002, DLSG realized this, when the first KIC system was designed. Today, with nearly 10 years more experience than any other vendor, DLSG has the most understandable, easy to use and powerful user interface for self-serve book scanning, and it's based on dual screens.

The view screen shows very large, clear images of what you've scanned, allowing the touch screen to have big, easy to understand buttons and other controls.

Display screens are our portals into the digital world, and touch screens are the easiest way to control that world. That's why DLSG provides large, 24 inch, full HD displays and equally large touch screens with most of its KIC systems.



**Dual Screen Touch & View** 

#### KIC SmartDock™

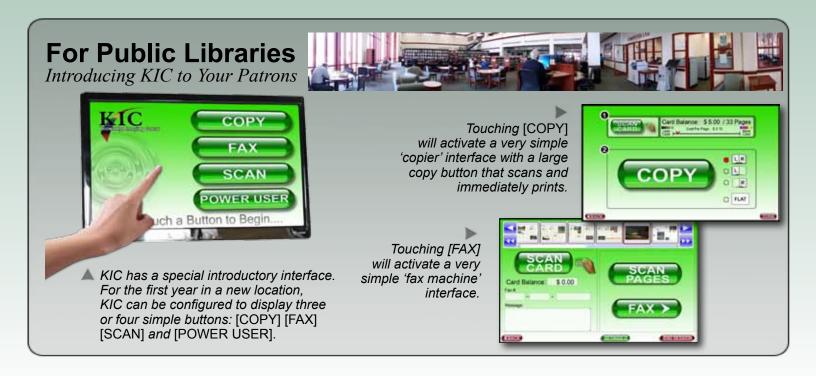
The Fastest, Easiest Way to Transfer Images to Tablets, Notebook PCs, eReaders & Smart Phones



KIC BookEdge shown here with

floorstand and SmartDock options

Files automatically appear on the device as they are scanned. With the SmartDock, the KIC BookEdge is still only 33 inches wide, well under three feet.



#### In case you didn't know ...

...what you can do with scanned images

#### **Enhance Reports**



KIC BookEdge's 11.8x17" bed can be used to capture one page at a time using the spine-preserving "book edge" feature, or two pages at a time by opening the book 180 degrees.



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



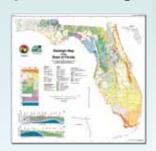




#### **Scan Artwork**



### Scan Large Maps & Drawings



#### **KIC Fleet Management**

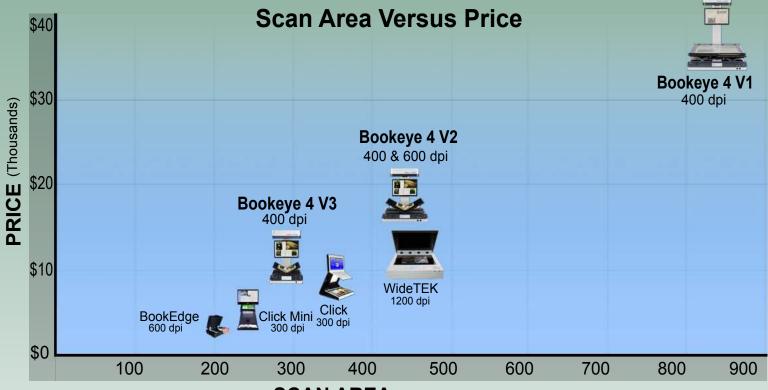
Monitor Usage Statistics at a Glance

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.





#### SCAN AREA (Square Inches)

Compatible Scanners 200 & 300 DPI B&W (1 bit/pixel)	Scan Area	Typical ILL DPI (1)	Max DPI	Scan time two book pages (2)	Total time to scan, treat & send a 10 page article (3)
Bookeye 4 V3	15.3 x 18.9"	200	400	2 seconds	48 - 53 seconds
Bookeye 4 V2	18 x 24.4"	200	600 <sup>(4)</sup>	3 seconds	54 - 59 seconds (3)
Bookeye 4 V1	25 x 33.5"	200	400	4.5 seconds	60 - 70 seconds
Click	16 x 22"	300	300	1 second	50 - 55 seconds
Click Mini	12.25 x 19.2°	300	300	1 second	48 - 43 seconds
BookEdge	11.8 x 17"	200	600 <sup>(6)</sup>	5 seconds	65 - 75 seconds (5)(6)
ш	"	44	"	11 seconds	144 - 164 seconds (5)(7)
WideTEK 25 (B&W/GS)	18.5 x 25"	200	1200	3 seconds	66 - 76 seconds (5)
Commercial Flatbed Scanner	11 x 17"	200	600	9 seconds	110 - 120 seconds (5)
Photocopier (MFC)	11 x 17"	300	300	10 seconds	115 - 125 seconds (5)

- (1) The measure of scan times in this chart used these DPI settings.
- (2) Sweeping time only, does not include preview or transfer time.
- (3) Time required to scan a ten page article, clean it up (e.g. deskew, remove fan & gutter), send the article and update the system.
- (4) Bookeye 4 V2 comes standard with 400 dpi max and has a 600 dpi upgrade option.
- (5) Turning pages is much faster with a planetary scanner than with a flatbed.
- (6) Scanning 2 pages at a time (to increase speed) is not book spine friendly.
- (7) Scanning 1 page at a time using edge of scanner.





#### 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 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 other types of scanning at a KIC station and temporarily access shared folders on a network. When you unplug the USB, the KIC station automatically returns to its regular self-serve scanning station functionality.

For general purpose scanning by administrators and faculty, simply write a department password file to a flash drive. When a user plugs in the USB 'key', KIC recognizes the password and allows the user to save scanned images to shared folders.









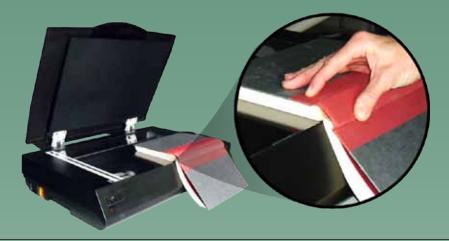
#### **Premium Maintenance Plan**

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.



#### KIC BookEdge Technical Specifications



Max Capture Area 17 x 11.8 Inches (432 x 300 mm)

> Resolutions 150, 200, 300, 400, 600 dots per inch

Maximum Speed 5.0 seconds for full bed at 200 dpi 8.5 seconds for full bed at 600 dpi

31 x 25 x 15" (787.4 x 625 x 381 mm), **Dimensions** 

59 x 26.5 x 23" (1498.6 x 660.4 x 584.2 mm) with optional stand

30 lbs, 114 lbs with optional floorstand Weight

**Power Consumption** 50W Stand-by, 127W Operation (printer not included)

\* Transfer & Preview Times Not Included



#### **KIC Technical Specifications**

(Common to All KIC Models)

- Copy two face-up, full-color pages 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, even MP3 (audio)
- 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 cloudbased tools can also be simplified with pre-programmed hot-keys.
- Insert a USB flash memory device and KIC auto-selects USB output.

**Output Color Depth** 24 bit color, 8 bit grayscale USB 2.0, email, FTP, Web/Cloud storage (e.g. Google Docs), file folder (for staff & faculty only) Digital File Interfaces PDF, JPEG, PNG and TIFF Image Output Formats 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

8.5 x 11", 11 x 17", simplex, duplex, color & Printed Output Formats

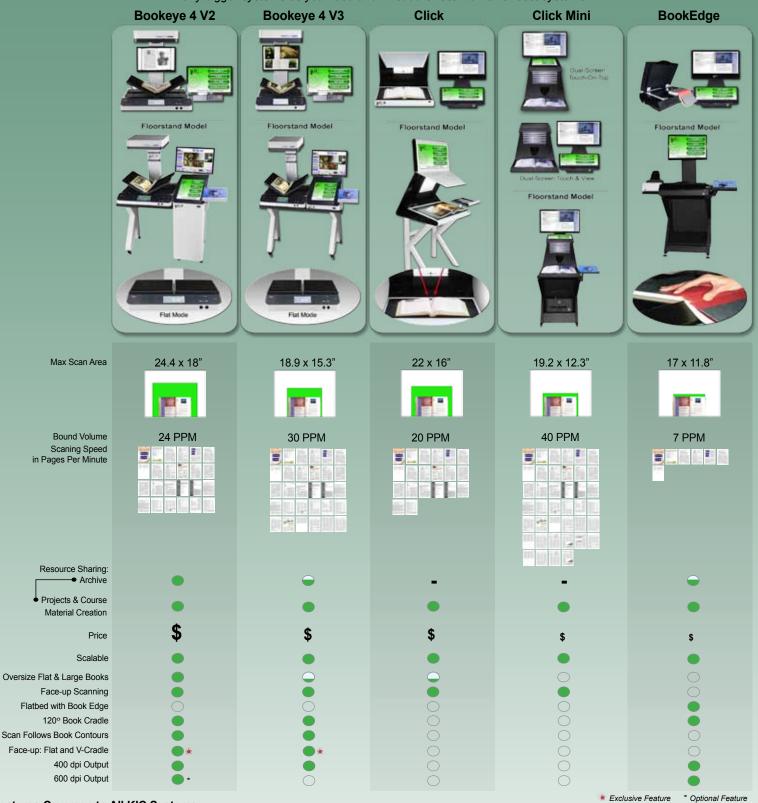
13 x 19" monochrome (printer not included)

Split pages (left & right), clip, crop, change brightness/contrast, change resolutions **Image Treatment Functions** (dpi), select color, grayscale, or B&W

> White LED's, no IR/UV emission Lamps

#### 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.



#### Features Common to All KIC Systems

Output Formats: Basic PDF, JPEG, PNG, MP3 Audio (TTS), Searchable PDF, Editable Text (OCR), Google Docs, Cloud, Dropbox, ..., USB, Email, FTP, Admin Folder, SmartDock Tablets, eReaders and Smart Phones.

Copier Replacement Capabilities: Collate, Black&White and Color, Automatic Document Feeder Option, Multiple Shared Printers, 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<sup>TM</sup>, Separate Preview Screen, Full-Size Preview, Large Touch Screen (24 inches), ADA Support

Image Processing Abilities: Collate, Clip, Rotate, Crop, Split Left & Right Pages, Deskew, Correct Book Curve

Optics: 24 Bit Color, 300 dpi Output



