

BookDrive DIY

World's #1 Book Scanner



Atiz Fast Facts

- Over 600 installations deployed around the world.
- Helped scan over 3 million books.
- Used by many national libraries and clients such as Carnegie Mellon University, Princeton University, etc.


















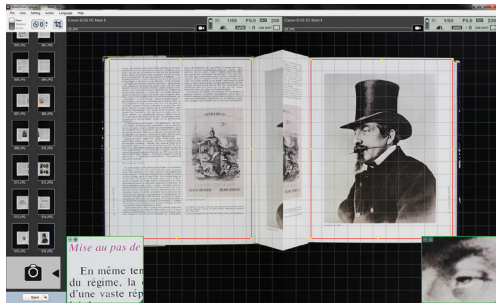
What is BookDrive DIY?

BookDrive DIY is a cost-effective book digitization solution that combines the power of digital SLR cameras and the ingenuity of a unique v-shaped, auto-adjusting book cradle and platen to capture sharp images at up to 700 pages an hour.

The Evolution of Scanners

We’ve come a long way from flatbed and planetary scanners. Thanks to advances in digital cameras, today the v-shaped book scanners from Atiz are-empowering libraries around the world to scan millions of books.

Scanner	<div> Flatbed scanner</div>	<div> Planetary scanner</div>	<div> V-shaped book scanner</div>
Book placement	<div> Face down on 180° plane</div>	<div> Face up on 180° plane</div>	<div> Face up on V cradle</div>
Image capture tech	<div> Linear sensor captures one line at a time</div>	<div> 1 sensor captures spread pages</div>	<div> 2 sensors individually capture a true left page and a true right page</div>
Book centering	<div>Book must be correctly positioned for every scan</div>	<div>Book binding creeps from left to right as pages are turned resulting in margin crawl</div>	<div>Book binding is centered throughout scanning Further handling not required</div>
Flattener	<div> Stress on bindings</div>	<div> Fingers holding the pages from flapping</div>	<div> V-glass gently engages the pages</div>
Capture method	<div>Manual capture Button at every scan</div>	<div>Manual capture Button or foot pedal every scan</div>	<div>Automatic capture Timer and automatic sensor</div>
Results	<div> Curved text lines Mess near the binding</div>	<div> Curved text lines Requires software fix</div>	<div> Straight text lines Natively curvature-free</div>



BookDrive Capture

BookDrive Capture is the application that controls the cameras. It supports a wide range of Canon EOS SLR cameras and allows you to change camera settings from directly within the software.

Press one button and the twin cameras will shoot left and right pages and render them on screen immediately. You will have a true left page and a true right page just like the originals.

Dual camera control

In-software camera status and settings
Live View
Support Canon EOS DSLRs
Support RAW
Capture single side (left or right)
Capture double sides (both left and right)

Fast Capture & Instant Edit

Time lapse
Auto Capture Switch
Easily insert, replace or delete images anywhere
Option to batch re-index filename
Instant rotate, crop, resize, DPI adjustment
Instant export to TIFF, PDF, or PDF/A

Manage

Multi-language support
Metadata and tags
Option to retain EXIF information
Ability to resume recent books
Support Western and East Asian page sequence
Smart preview
Magnifying area



BookDrive Editor Pro

BookDrive Editor Pro is for post-scan image processing. It's all you need to convert scanned images into final output of the highest quality, ready for distribution or archiving.

The robust image enhancement tools and the intuitive user interface come together to deliver professional results with minimal fuss.

Multi-book, multi-chapter batch operation

Make settings only for the first pair of images and the program will apply those settings to the remaining pairs automatically for unattended, hassle-free fast batch operation. You can work on many books and chapters at the same time.

Book Profiles

All the enhancements made to a book can be saved as a profile for later use by beginners or junior operators. Next time, simply select the profile instead of going through many configurations. The program comes with default profiles for frequently seen book types such as textbooks and old books.

A host of image enhancement possibilities

Rotation, de-skewing, crop, auto level, brightness and contrast adjustment, sharpening, black border removal, image resize and DPI adjustment, etc. Available output formats include PDF, PDF/A, and TIFF (LZW and CCITT G4 in either single-page or multi-page files, and JPEG.

Global and Dynamic Cropping, and Padding

Dynamic Crop lets you crop the same size, but slightly varying position based on the page edge (if the book slightly shifts during scanning) or where text is (if you want your output to have text appear at the same position in every page). You can add artificial border so that text appears at the center of the page exactly.

Smart Background Removal

BookDrive Editor Pro can replace unwanted yellow tint commonly found in old books with bright and clear background free from speckles and stains. Color and highlights in the page can be preserved while giving new life to grey and drab pages.

Superior Black and White conversion

BookDrive Editor Pro will produce superior B&W output, thanks to the advanced Adaptive Local Thresholding technique that intelligently converts each pixel to black or white according to the information of that pixel relative to the surrounding area.

Sophisticated Export Tool

The export tool lets you easily output files either as single-page, or multi-page TIFF, PDF or even ISO 19005-1 compliant PDF/A document, a format well-suited to long-term archiving and preservation.





No activation, no hassle.

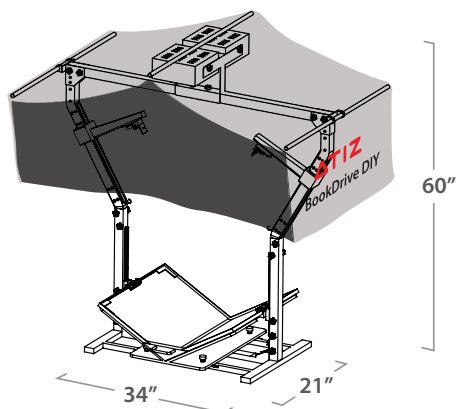
No activation need to begin using the software. Easily move between computers. Install the software on as many computers as you need. All you need is the included USB dongle.

Software Requirements

- Windows 7, Windows Vista, Windows XP with Service Pack 3 or later
- CPU 1GHz or higher

- RAM - 512MB minimum (2GB is highly recommended)
- 10GB available disk space
- 1024 x 768 resolution monitor

Compatible cameras and lenses for BookDrive DIY	Scanning A4 to A3	Scanning A3 to A2
Cameras with 1.6x field of view crop <ul style="list-style-type: none"> • Canon EOS 1000D (XS) • Canon EOS 1100D (T3) • Canon EOS 500D (T1i) • Canon EOS 550D (Rebel T2i), 450D (Rebel XSi) • Canon EOS 600D (T3i) • Canon EOS 60D • Canon EOS 40D • Canon EOS 50D • Canon EOS 7D 	 <p>EF50MM (e.g. EF50MM F/1.8 II)</p>	 <p>EF35MM (e.g. EF35MM F/2.0)</p>
Full frame Cameras <ul style="list-style-type: none"> • Canon EOS 5D Mark II, 5D Mark III • Canon EOS 1D Mark III, 1D Mark IV • Canon EOS 1Ds Mark III • Canon EOS 1D X 	 <p>EF85MM (e.g. EF85MM F/1.8 II)</p>	 <p>EF50MM (e.g. EF50MM F/1.8 II)</p>



Height: 60 inches (152 cm)
Width: 34 inches (86 cm)
Depth: 21 inches (53 cm)
Weight: 77 lbs (35 kg)



Maximum scanning area: 15.7 x 23.2 inches (40 x 59 cm)

Maximum book thickness: 9 cm

Base

- The platform
- Adjustable camera mount x 2
- V-shaped book cradle
- V-shaped transparent platen
- Glare-prevention shade
- Lighting set (fluorescent bulbs)
- USB hub
- Software Installation CD
 - 1 USB dongle of BookDrive Capture software
 - 1 USB dongle of BookDrive Editor Pro software
- Printed and electronic documentation

Optional

- Digital SLR cameras x 2
- Recommended lenses x 2
- AC Adapters x 2
- AutoSwitch

The information on this brochure is subject to change without notice. Please visit www.atiz.com for the most current information.

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