

BookDrive

Which one of our products is right for your project?



Atiz Fast Facts

- › Over 800 installations around the globe.
- › Responsible for scanning over 3 million books.
- › Atiz scanners are currently being used by some of the most prominent academic libraries, universities and museums around the world.


















What is BookDrive?

BookDrive is an innovative solution for scanning a wide variety of books and bound materials. The system utilizes high performance SLR cameras as capture devices to photograph book pages that lie open on a V-shaped cradle preventing damage to the books.

BookDrive was created in response to problems that conventional overhead scanners struggle with when scanning books, such as damage to book spine, page curvature, and low productivity.

The Evolution of Scanners

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



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.

Fast shooting

The cameras capture both left and right pages at the same time. Each shot takes less than a second to photograph. This allows you to capture up to 800 pages an hour.

In-software camera settings

You can easily change camera settings such as shutter speed, aperture and ISO values within the software.

Timed Lapse Capture

The timed lapse capture is available so that the cameras can be triggered to shoot automatically at every pre-defined intervals of 1-10 seconds. Users simply flick through the pages.

RAW support

BookDrive supports the RAW format or the uncompressed, unprocessed pixel information straight from the camera's image sensor. A full RAW workflow lets you capture, post-process and convert RAW files to other lossless formats such as TIFF.

Easy insert and replace

You can easily insert missing pages which have been skipped or if some shots look bad, you can replace them with new ones. No need to worry about file names because the software will name the inserted files and rename all the effected files correctly.

Metadata

The metadata of the books such as title, author's name and year published can be recorded in a standard compliant XML file for future use in search and record keeping.



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.

Fast Batch Processing

For unattended, hassle-free operation, scan the entire book and select the desired settings for the first pair, then BookDrive Editor will automatically apply those settings to the remaining images.

Book Profiling

To help users get started quickly, the software comes with recommended profiles for frequently used kinds of books, such as textbook and magazines. Users can also create and save custom profiles for later use with similar kind of books.

Adaptive Local Thresholding for B&W Conversion

An advanced algorithm intelligently converts each pixel to black or white according to its blackness level relative to the surrounding area to help retain greater details compared to standard techniques.

Multi-book, multi-chapter operation

You can load many chapters or books, set different parameters for each chapter and process all of them in one operation to save time.

Background Removal

Replaces an unwanted tinted page background common in old books with a bright and clear background free from speckles and stains.

And a lot more...

Other features include rotation, de-skew, crop, auto level, brightness and contrast adjustment, sharpen, black border removal, image resize and DPI adjustment, etc. Available output formats include PDF (single-page or multi-page files), TIFF (LZW and CCITT Group 4, single-page or multi-page file), and JPEG.

Software Requirements

- Windows 7, Windows Vista, Windows XP with Service Pack 3 or later
- Single PC mode (sequential shooting) requires 1 PC
- Dual PC mode (simultaneous shooting) requires 2 PCs

- CPU 1GHz or higher
- RAM 2GB minimum
- 10GB available disk space
- 1024 x 768 resolution monitor

BookDrive Model Comparison



BookDrive Mini

The compact solution

S



BookDrive Pro

The ultimate solution

XL

Advantages		
<ul style="list-style-type: none"> ✓ Compact size ✓ Easiest to use 		<ul style="list-style-type: none"> ✓ Auto Capture Switch is integrated for scanning without pushing buttons ✓ Robust system for high-end cameras ✓ Assisted camera positioning
Lighting		
<p>LED Lighting panel</p> <ul style="list-style-type: none"> ✓ Bright illumination ✓ Uniform light distribution makes your image well, evenly lid. ✓ Glare-free results on glossy paper 		<p>LED Lighting panel</p> <ul style="list-style-type: none"> ✓ Bright illumination ✓ Uniform light distribution makes your image well, evenly lid. ✓ Glare-free results on glossy paper
Scanning size		
10" x 15"		16.5" x 24.2"
Supported Cameras		
<ul style="list-style-type: none"> ✓ Canon SLRs with zoom lenses 		<ul style="list-style-type: none"> ✓ Canon SLRs with zoom lenses and fix lenses
Dimension		
23" x 17" x 34"		51" x 37" x 54"
Bundled Software		
<ul style="list-style-type: none"> ✓ BookDrive Capture ✓ BookDrive Editor Pro 		<ul style="list-style-type: none"> ✓ BookDrive Capture ✓ BookDrive Editor Pro

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