

# Extend your .NET document management solution with proven imaging controls

SPEC SHEET

Atalasoft DotImage® is an SDK that offers high-speed document and image conversion, viewing and annotation on any device. Smart add-on SDKs for DotImage extend functionality for OCR, PDF rendering, and barcode recognition.

## Atalasoft DotImage®

### Viewing and Annotations

- Out of the box viewing and editing of images with annotations
- Built-in support for annotating multi-page documents such as multi-page TIFFs
- Format Independence - Remove the complexity of supporting multiple formats while all image formats are treated the same in code
- Add simple document markup capabilities or fully functional annotating to existing projects
- Vector annotations on the web with AJAX-enabled controls, including FreeHand, Lines, and Polygons
- On-demand page loading - load only what you're viewing
- Persist annotations to a file or embedded within an image using our own format based on Adobe's XMP standard
- Vertical and Horizontal Thumbnail viewer controls
- Annotate documents in a browser using the AJAX-enabled Web Annotations Viewer
- Includes iOS and Android mobile browser support with built-in gesture controls

### OCR/ICR Transformation

- Zonal Extraction - Extract data from a specific zone to create proper index fields
- Text Recognition - Identify alphabetical and numeric characters from a scanned image
- Scan to Searchable PDF - Run a scanned document through our engines to get a Searchable PDF

### Additional PDF Objects

- Add high-speed viewing of PDF documents to your applications
- Convert PDFs to raster images in the DotImage Image Viewers without the Adobe Acrobat SDK
- Convert PDF Documents into any supported DotImage image format (multi-page TIFF, JPEG, etc.)
- Searchable PDF
- Rearrange pages without rasterizing

### Barcode Reading/Writing

- Reads all barcodes in an image then returns the raw value of each barcode recognized
- Reads 18 industry standard 1-D barcodes as well as 3 industry standard 2-D symbologies, including PDF417, DataMatrix, Code 39, and Code 128
- Automatically detects orientation of the recognized barcode (East, South, West, North, Northeast, Southeast, Northwest, Southwest)
- Returns the bounding rectangle of all recognized barcodes
- Returns the coordinates of the start and end lines, which can be used to construct a bounding polygon of the barcode area
- Detects the type of barcode recognized
- Returns any supplemental barcodes
- Write barcodes programmatically

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## Environments Supported

- .NET 3.0, 3.5, 4.0, 4.5
- ASP.NET, ASP.NET MVC, Windows Forms, WPF, Silverlight
- Visual Studio 2005, Visual Studio 2008, Visual Studio 2010, Visual Studio 2012, Visual Studio 2013, Visual Studio 2015
- Windows 2003 Server, Windows 2008 Server, Windows Server 2012
- C#, VB.NET, F#
- 32-bit, 64-bit
- Browsers supported include IE8+, Firefox, Chrome, Safari, Mobile Safari, Android Chrome

## Licensing

### Development

- The development SDK includes a license for a single named developer. Each additional developer requires a developer/build license (which are 1/2 the cost of an SDK license)

### Deployment

- **Server License** – Server licenses are required when deploying a server or web application. Server licenses are also required for service applications that accept connections from other machines or for headless processes that watch folders or other datasources for work originating from other machines. Each production server requires its own license
- **Unlimited Server Deployment** – This annual agreement would allow for unlimited server deployment per application and SDK licenses for the application development team for a low annual fee
- **Desktop Application License** – You may distribute with no royalty payments any number of applications that are deployed to a personal computer (PC) as long as active maintenance is in place on all your development licenses

# Atalasoft DotImage®

For full details on DotImage, including a full listing of annotation features, supported 1-D and 2-D barcodes, and details on our licensing agreements, please visit our website or contact us directly.

# Web Scanning Controls for .NET, Backed by In-house TWAIN Experts

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Offering minimal footprint web scanning, Atalasoft WingScan® allows you to scan documents directly through a client's browser to any .NET based web portal. These proven web controls are supported by dedicated, experienced engineers who will assist you in implementing our industry pioneering, on-demand imaging technology.

## Atalasoft WingScan®

### Web Based Scanning

- A JavaScript API and MSI file that allow for scanning a document directly through a client's browser
- Distributed Office Scanning - All documents scanned through a web portal automatically end up in the same repository or workflow management system
- Customer Scanning - A simple install process and fully customizable front-end allows end users to submit documents directly from their scanners to a web portal

### Direct Document Capture

- A library that interacts with our other products to make the image origination and transformation of a scanned document fully automated

### Customer Onboarding

- Use our scanning control to handle the customer sign up process
- Form Capture - Ask a user for specific documents one at a time and allow them to scan directly to a website
- Data validation - Show the user a scanned form and allow them to verify extracted data before submission

### Optional VRS Cleanup

- An add-on engine to our web scanning SDK that optimizes a document for data extraction and removes user errors
- Incorrectly Scanned Pages - Automatically rotate pages so that the text is facing upright
- Remove Erroneous Marks - Remove issues like coffee stains, wrinkles, or highlighter from an image so it can still be cleanly read by an OCR engine
- Color Detection - Detect and retain color in mixed batches of color and black-and-white documents without presorting
- Blank Page Deletion - Intelligently delete blank pages when you scan a batch of single-sided and double-sided documents
- Improved Recognition - Dramatically increase the accuracy of your character recognition (OCR and ICR) software by delivering it cleaner images.
- Automatic Crop and Deskew - Automatically crop and deskew each image based on the edges of the original documents.
- Color Dropout - Detect solid background color (i.e. colored paper) and treat it as white.

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## Environments Supported

- ASP.NET 3.0, 3.5, 4.0, 4.5
- Windows Server running IIS
- Browsers supported include IE8+, Firefox, and Chrome

## Licensing

### Development

- The development SDK includes a license for a single named developer. Each additional developer requires a developer/build license (which are 1/2 the cost of an SDK license)

### Deployment

- **Server License** – Server licenses are required when deploying a server or web application. Server licenses are also required for service applications that accept connections from other machines or for headless processes that watch folders or other datasources for work originating from other machines. Each production server requires its own license
- **Unlimited Server Deployment** – This annual agreement would allow for unlimited server deployment per application and SDK licenses for the application development team for a low annual fee

# Atalasoft WingScan®

For full details on WingScan, and details on our licensing agreements, please visit our website or contact us directly.

# Turn mobile devices into advanced, production-quality information-capture devices.

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Offering autocapture technology that is perfect for mobile document processing, Atalasoft MobileImage™ allows you to easily add document capture, image processing, and barcode recognition to iOS or Android apps.

Our SDKs are backed by a technical developer support team to help you along the way.

## Atalasoft MobileImage®

### Barcode Recognition

- Two controls for reading barcodes: one that finds a live barcode in real-time, and one for getting all barcodes on a captured image.
- Reads barcodes natively on the device
- Use the data to deliver more effective customer engagement apps and solutions
- Supports all common 1-D and 2-D barcodes

### Image Processing Controls

- On-device image perfection: process and send images that are only 30-50 KB in size, instead of 3-5 MB.
- Auto controls available to the developer through patented eVRS cleanup tools:
  - Deskew / Crop
  - Orientation
  - Scaling
  - DPI Mapping / resolution
  - Thresholding
  - Image normalization
  - Noise removal
- Results in higher OCR rates, less manual processes, and a better app experience.

### Patented Image Capture Perfection

- Complete control over the capture of documents and images with UI controls
- Fewer retakes: choice of photo mode or video capture to snap your document. Automatically eliminate issues with blur, jitter, and shifting.
- Get a perfect image - the first time, every time - ensuring data can be extracted properly for superior results and satisfied users
- Torch Mode to prevent sudden light source from over-exposing
- Auto-cleaned images, manageable file size
- Native capture on-device:
  - Single Page
  - Multi-Page
  - Batch
  - Mixed Sizes / Documents
  - MICR
- Developer-controlled focus areas

### Supported Platforms

- iOS
- Android
- PhoneGap

For support in desktop or web-based .NET, see our other developer libraries

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## Object Oriented SDK

Developers have complete control over discrete components

- Capture Objects - Modes, settings, containers for images, documents, pages, and fields
- Custom UI Controls - Viewing, editing, adding, deleting, or manipulating data
- Engines - Image Processing with eVRS and Classification
- Logistics Objects - Bi-directional communication with a server for getting data and submitting data and documents
- App statistics - Used to track user behavior, errors, exceptions, timing, performance, device data, and carrier

# Atalasoft MobileImage®

For full details on MobileImage and details on our licensing agreements, please contact us directly or visit [www.atalasoft.com](http://www.atalasoft.com)

## Licensing

### Development

- The development SDK required for each MobileImage module includes a license for a single named developer. Each additional developer requires a developer/build license (which are 1/2 the cost of an SDK license)

### Deployment

- **Image Volume Amounts** – An image volume package is required for each of the three MobileImage SDK modules available.
- **Unlimited OEM Options** - For multiple developers and inquiries on bulk orders, contact [sales@atalasoft.com](mailto:sales@atalasoft.com)



# .NET PDF SDK to Generate and Manipulate PDF Documents in your Applications

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With DotPdf® you have the ability to generate PDFs from scratch or manipulate the pages of existing PDF files. DotPdf is licensed per developer with royalty free deployment options and backed by our remarkable in-house phone and web support.

## Atalasoft DotPdf®

### PDF Generation

- Data-to-image Transformation - Take raw data and a PDF template to create presentation-quality display images, procedurally and in real-time. Useful for invoices, forms, and mail merges.
- Customized PDF - Use our SDK to create dynamic content that changes based on the recipient of a PDF
- Edit PDF - Add additional drawing elements to a pre-existing PDF programmatically, like adding a watermark or a logo change

### Form Utilities

- PDF Form Auto Fill - If you already know information about a user; put that information into the fields before serving the form, saving your users time and energy
- Custom Forms - Only present the fields of information to a user that your system doesn't already know
- Automatic Workflow Forms - PDF can contain JavaScript to submit form data directly to a web service. Our tools make this simple to generate
- Filled Form Data Extraction - Get a dictionary of form fields from a filled PDF form

### eSignatures & Document Security

- PDF Passwords - Secure your PDF with two passwords, one for viewing and one for editing
- PDF Signing - Prevent changes and prove authenticity of a document sent as part of a workflow. Allow users to change only the parts of a document that they need to complete the workflow

### PDF Signature Annotations

- Contract e-Signing - With a digital signature, users can sign a document - both physically with an image and digitally with a certificate
- Outgoing Documents - Prove authenticity of outgoing PDF with a signature of a signing manager and the company's certificate

### Document Management

- Page Rearrangement - Receive pages in a collection object for easy rearrangement
- Document Combination - Easily combine documents with a single function call

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