

# HTML5 Document Viewing, Annotations, and Scanning for the .NET Professional

SPEC SHEET

Atalasoft DotImage® is a high performance and cost effective .NET imaging toolkit (SDK) that allows you to easily add viewing, scanning, converting, editing, and annotating to your desktop, mobile and web applications. Some add-ons required.

## HTML5 Web & Mobile Viewing

- TIFF, PDF, DICOM, JPEG2000, JBIG2, Word, Excel, PowerPoint & more
- View, burn, & edit images with annotations
- TIFF & PDF - Support for reordering, removing, adding, replacing, & combining pages
- Edit, insert, reorder, remove & rotate pages
- Cleanup documents using binarize, deskew, despickle, & border/line/hole-punch removal
- Touch Support & Adaptive Scaling for Mobile Viewing
- Add simple document markup capabilities or fully functional annotating to existing projects
- Support for freehand, text box, sticky note, rubber stamp, line, lines, ellipse, rectangle and polygons
- Lazy Loading allows large documents to be viewed quickly
- Functions include crop, rotate, flip, resize, or resample
- Vertical and Horizontal Thumbnail viewer controls
- Twain Scanning

## OCR 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

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## 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 and Writing

- Reads all barcodes in an image then returns an array of barcode objects
- Reads 14 Industry 1D barcodes including Code 39 and Code 128
- Reads 4 industry 2D symbologies including PDF417, QR Code, DataMatrix and Aztec
- Automatically detects orientation of the recognized barcode (East, South, West, North)
- 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
- Writes barcodes programmatically
- Writes 13 industry 1D barcodes as well as PDF417 and DataMatrix 2D symbologies

## Environments Supported

- .NET 3.5,4.5.2+
- ASP.NET Core 2.1 (Targeting .NET Framework 4.6.1+)
- ASP.NET, ASP.NET MVC, Windows Forms, WPF
- Visual Studio 2010 (for .NET 3.5 only), Visual Studio 2012 and up (.NET 3.5 / 4.5.2+)
- Windows 8.1+. Windows Server 2012+
- C#, VB.NET, F#
- 32-bit, 64-bit
- Browsers supported include Edge, Chrome, Firefox, IE11, Safari (on Mac OS), Android Chrome, and iOS Safari

## Licensing Overview

### Development

- The development SDK includes a license for a single named developer. Each additional developer requires a developer/build license (which is 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.
- **Desktop Application License** – You may distribute DotImage with no royalty payments for applications that are deployed to a personal computer (PC) as long as active maintenance is in place on all your development licenses. Some add-ons require additional desktop licensing.

### Subscription Agreement

- This flexible annual agreement can include SDKs, build machines, servers and devices (MobileImage). Fixed and predictable yearly cost model for easy planning - spread the cost of your new or existing application out over time, typically 3 years.

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For more information on DotImage and details on our licensing agreements, please visit our website or contact us directly

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# Web based Viewing and Scanning without requiring a .NET Skillset

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Atalasoft DotViewer® provides the powerful capabilities of our HTML 5 viewing and web based scanning technologies without the need to code in .NET. Minimal front-end development skills are needed; HTML, CSS and Javascript

# Atalasoft DotViewer®

## Web Viewing and Scanning

- .NET skillset is not required
- Minimal front-end development skills needed; HTML, CSS and Javascript
- In browser document viewing
- Support for TIFF, PDF, Word, Excel, PowerPoint and many more
- PDF: View, edit, and convert to a PDF
- Deploy in significantly less time
- Reduce development costs
- Installable .Net server component
- Installable demo site
- Document editing and annotations
- Rotate, reorder pages, delete pages, search
- Web based document scanning
- Document uploads
- Ability to read 1D and 2D barcodes
- Thumbnail viewer included

## Web Based Scanning

- DotViewer includes WingScan – our web based scanning solution
- WingScan allows you to scan 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

## The DotViewer Advantage

The strength of DotViewer is that you do not need to have a .NET coding skillset - we have done this work for you. We have taken the power of our DotImage SDK and made it much simpler to deploy which will save significant time, money and development effort.

## Why DotViewer

Development teams are overrun with requests and pressured to do more with fewer resources. Many customers have asked for a solution with a shorter development cycle and is easier to deploy - we heard you and listened.

DotViewer is designed to solve this challenge and give your development team back some of their valuable time.

Having a .NET developer on staff can be expensive or you may not have access to such a resource to develop and maintain your application. DotViewer eliminates this need while still providing access to the powerful capabilities of our proven HTML 5 viewing and web based scanning technologies.

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## Environments Supported

- DotViewer requires an IIS server and .NET Framework version 4.7.2 or later
- Windows Server 2012+
- Browsers supported include Edge, Chrome, Firefox, IE11, Safari (on Mac OS), Android Chrome, and iOS Safari



## Licensing Overview

### 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.
- DotViewer does not require an SDK.

### Subscription Agreement

- This flexible annual agreement can include SDKs, build machines, servers and devices (MobileImage). Fixed and predictable yearly cost model for easy planning - spread the cost of your new or existing application out over time, typically 3 years.

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# 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 3.5, 4.5.2.1+
- ASP.NET Core 2.1 (Targeting .NET Framework 4.6.1+)
- Windows Server running IIS • Browsers supported include IE Edge, Firefox, and Chrome



## Licensing Overview

### Development

- A development SDK is included with each server license purchased for a single named developer

### 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.

### Subscription Agreement

- This flexible annual agreement can include SDKs, build machines, servers and devices (MobileImage). Fixed and predictable yearly cost model for easy planning - spread the cost of your new or existing application out over time, typically 3 years.

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

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# 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.

## 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/Cordova development framework supported

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®

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## Licensing Overview

### 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 is 1/2 the cost of an SDK license).

### Deployment

- **Device Volume** – MobileImage is licensed by device meaning each device requires a license. A device volume package is required.

### Subscription Agreement

- This flexible annual agreement can include SDKs, build machines, servers and devices (MobileImage). Fixed and predictable yearly cost model for easy planning - spread the cost of your new or existing application out over time, typically 3 years.

# .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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## Environments Supported

- .NET 3.5, 4.5.1+
- ASP.NET Core 2.1 (Targeting .NET Framework 4.6.1+) ASP.NET, ASP.NET MVC, Windows Forms, WPF
- Visual Studio 2010 (for .NET 3.5 only), Visual Studio 2012 and up
- Windows 8.1+. Windows Server 2012+
- C#, VB.NET, F#
- 32-bit, 64-bit

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- **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.

### Subscription Agreement

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