



Dynamsoft Corporation

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## Data Sheet: Dynamic .NET TWAIN

Simple & Efficient Document Scanning SDK for .NET  
Desktop Applications

### Overview

Dynamsoft's Dynamic .NET TWAIN is a .NET document imaging SDK based on the TWAIN and DirectShow standards. It provides rich, efficient and quick-to-implement APIs for scanner and webcam software development. With our .NET component, you can easily and rapidly embed a robust document scanning and webcam image capture module in your WinForms and WPF desktop applications in C# or VB.NET.

### Benefits

- Improve your productivity: Simple .NET TWAIN and DirectShow APIs enable you to rapidly build document capture from scanners and webcams.
- Reduce workload: eliminates months of added development time, resources, and costs and down-the-road support requirements
- Implement robust imaging features with one tool: TWAIN scanning, DirectShow webcam capture, barcode support, OCR technology and PDF modules all in one SDK.
- Easy integration: WinForms & WPF controls provided. Supports .NET 32 and 64 bit. Supports AnyCPU build.
- Royalty-free desktop distribution.

### Acquire Images from Scanners and Other TWAIN-Compliant Devices

- Supports Native, Buffered Memory and Disk File image transfer modes.
- Support for Auto Document Feeder (ADF) and batch scanning.
- Supports the modification of common device features using TWAIN properties. Modifiable features include IfAutoFeed, IfAutoScan, Resolution, BitDepth, Brightness, Contrast, Unit, Duplex, and so on.
- Supports blank page detection.
- Supports changing and saving scanner profiles.

### Capture Images from UVC-Compliant Webcams

- Capture images and display live streams from UVC webcams.
- Customize image properties: Resolution, Framerate, MediaType, Brightness, Contrast, Hue, Saturation, Sharpness, Gamma, White Balance, BacklightCompensation, Gain, ColorEnable Zoom, Focus, Exposure, Iris, Pan, Tilt, Roll

### Robust Image and PDF Loading/Viewing Support

- Supports loading images in BMP, JPEG, PNG, TIFF, and multi-page TIFF formats.
- Images can be loaded from a local disk, FTP site, HTTP site, or database.

- Supports loading encrypted and vector PDF files with PDF module.
- BMP, JPEG, PNG, and TIFF image decoding with one of the most comprehensive sets of .NET imaging components available.

### Save and Upload Images in Multiple Formats

- Supports reading and writing images via file stream.
- Supports saving acquired images to local disk, web server or database in BMP, JPEG, PNG, TIFF, and multi-page TIFF formats.
- Supports saving images as single or multiple page PDF with PDF module.
- Supports RLE, G3/G4, LZW, PackBits, and TIFF compression.
- Supports uploading and downloading via HTTPS.
- Supports BMP, JPEG, PNG, and TIFF image encoding via one of the most comprehensive sets of .NET imaging components available.
- Supports appending newly acquired images to TIFF documents.

### A Range of Useful Imaging Modules

- PDF: Load and convert PDF documents to images, add annotations to your PDF files, encrypt or merge PDF.
- Barcode Generator & Reader: Read/write 1D & 2D barcodes from/to images.
- Optical Character Recognition: convert an image that has text to be a text edit-able and searchable PDF, a text file or string.

### About Dynamsoft

Founded in 2003, Dynamsoft Corp. provides enterprise-class version control software, TWAIN™ software development kits (SDK), barcode reader SDKs, and other document imaging SDKs. The imaging SDKs help today's businesses seeking to migrate from wasteful paper-based workflows to efficient digitized document and records management. Dynamsoft is an associate member of the TWAIN Working Group that develops TWAIN standards. Thousands of customers use Dynamsoft's solutions.



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