



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.



And more...

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