



Dynamsoft Corporation

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Data Sheet: Dynamsoft Camera SDK

Browser-Based Camera Capture SDK

Overview

Dynamsoft Camera SDK provides JavaScript APIs that enable you to easily capture images and video streams from USB Video Class (UVC) compatible webcams from within a browser. With the browser-based webcam library, you can capture a live video stream into a container and grab an image with a couple lines of code in your web application.

Benefits

- JavaScript Camera API enables you to easily integrate camera capture and video preview into your Web application
- Rich APIs to enable you have complete control over a webcam, e.g., exposure, iris, auto focus, etc.
- Supports all common browsers on Windows
- Support all USB Video Class (UVC) compatible cameras

System Requirements

Client side:

- Browser: Internet Explorer 6 and above, Edge, Firefox, Chrome
- Operating system: Windows XP, Vista, 7/8/10, Windows Server 2003/2008/2012

Server side:

No dependency on 3rd-party frameworks. So there is no limit at the server side.

- Web server: Nginx, IIS, Tomcat, Apache and more.
- Operating system: Linux, Windows, and more.

Camera Settings

- Developers can have complete control over a camera, e.g., exposure, iris, auto focus, backlight compensation, brightness, saturation, sharpness, gamma, contrast, white balance temperature, gain.

Browser-Based Video Viewer and Image Viewer

- Supports embedding video stream in a browser
- Grabs a snapshot to a specified image viewer
- Sets and gets video quality, height, width, background color of a video viewer
- One Dynamsoft Camera SDK object can have multiple image viewers. Image viewers can be dynamically created and destroyed.
- A variety of image view modes are available, e.g., m*n, horizontal, vertical, single image, etc.
- Sets and gets border, height, width, and other properties of an image viewer.

Image Editing

- Supports simple image editing operations including: Rotates, flips, mirrors, cuts, deletes or crops an image, etc.

Image Uploading in Multiple Formats

- Uploads specified images to an HTTP server. Both sync and async modes are supported.
- Sets text fields in the web form as metadata and send along to the server along with the images.
- Supports saving captured images in BMP, JPEG, PNG, TIFF, multi-page TIFF, PDF, and multi-page PDF formats.

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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