



On2 Flix® Engine SDK

Server side encoding SDK for On2 TrueMotion Video for Adobe® Flash® Player 8 and 9 and Adobe® Flash® Lite™ 3

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On2 has offices in the
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On2's Flix Engine Software Development Kit is the leading server side video encoding platform used by web video, user generated content, social networking and other Web 2.0 websites and leading enterprises, offering a cost-effective and easily deployable solution that converts virtually any video to H.263/Spark, H.264 and On2 VP6 for Adobe Flash Player 8 and 9 and Adobe Flash Lite 3, and iPhone and iPod compatible QuickTime video.

On2 Flix Engine Provides:

- **Affordable and Flexible Licensing**
Software license includes all appropriate IP royalty fees
- **Bandwidth savings and video quality**
On2 VP6 for Flash delivers broadcast video quality while using up to 30% less bandwidth than Flash 7/Spark
- **Enterprise-grade performance and reliability**
Flix Engine can encode at up to 1/4 real time, 24/7/365.
- **A nearly universal platform**
Encoded output plays in Adobe Flash Player—installed on over 98% of personal computers worldwide.
- **Advanced SDK technology, direct from the source**
Flix Engine draws on our expertise as the creators of VP6 to provide an optimized encoder and settings such as framerate control, encoding speed, resampling, and keyframing.
- **Advanced video editing filters**
Provides automated methods for inserting FLV cue points, extracting still frames as PNG images, cropping, adjusting brightness/hue/contrast/saturation, and muc more.
- **Easy deployment into any infrastructure**
Flix Engine is available for Windows and Linux, and works with PHP, Perl, Python, ASP, Visual Basic, Java, C/C++/C#, .NET, COM, and many more programming environments.
- **Multi-core processing**
On2's TrueCore™ technology allows parallel encoding on up to 4 processors per license



On2 Flix[®] Engine SDK

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Input formats supported:

- Video: .avi, .dv, .mov/.qt, .mpeg, .mp4, .3gp, .asf/.wmv, flv
- Audio: .mp3, .wav, .wma, QCELP, AMR-NB

Flix Engine for Windows

On Windows, the On2 Flix Engine provides full COM automation support for access from Microsoft Visual Basic, C/C++/C#, Delphi, .NET, Java (via COM Bridge), VBScript, ASP, Microsoft Office, PHP, Python, and any other COM-enabled container application or programming language. On2 Flix Engine for Windows is available as a dynamically linked library (DLL).

Flix Engine for Linux

On Linux, the Flix Engine provides a custom-built solution that can be run locally on a server or across a network and supports access from Java, PHP, Python, and Perl.

We also provide documentation in HTML and extensive samples for using Flix Engine in various programming languages and scripting environments.

Detailed Features

Features	Flix Engine 8 for Linux	Flix Engine 8 for Windows
Flash 8 SWF video output	√	√
Flash 8 FLV video output	√	√
Two-pass Flash 8 encoding	√	√
Variable Bitrate (VBR) encoding	√	√
Constant Bitrate (CBR) encoding	√	√
Flash 8 Alpha channel output	√	√
Fractional video framerates	√	√
Import FLV video	√	√

Minimum System Requirements

- x86 GNU/Linux with GNU C Library v2.3.2 or Windows 2000 Server (or later)
- Intel Pentium III or AMD Athlon processor
- 256MB physical RAM



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Coming Soon:*

Support for
H.264 & VP6-S
Moviestar Update for
Adobe® Flash
Player 9

* See specific product features for details



On2 Flix® Engine 3GPP

Server side encoding SDK for 3GPP

Bring the excitement of popular web video to handsets

On2 Flix Engine 3GPP offers unique ways to spice up your mobile video service. Web users viewing your Flash videos can now watch them 'on the go' on their mobile phones. No additional player is required – On2 Flix Engine 3GPP converts the videos on your website to 3GPP format. In fact, it allows almost any video file to be simultaneously encoded in the industry leading Flash¹ and 3GPP video formats. Whether you operate a user generated content site, a social networking site, an Internet video portal, or a corporate communications site, your users are always connected to your site through the most popular players on the PC and mobile phones.

On2 Flix Engine 3GPP builds on On2 Flix Engine 8's heritage as the premier video encoding platform for Adobe® Flash® Player 8 and 9.

With On2 Flix Engine 3GPP:

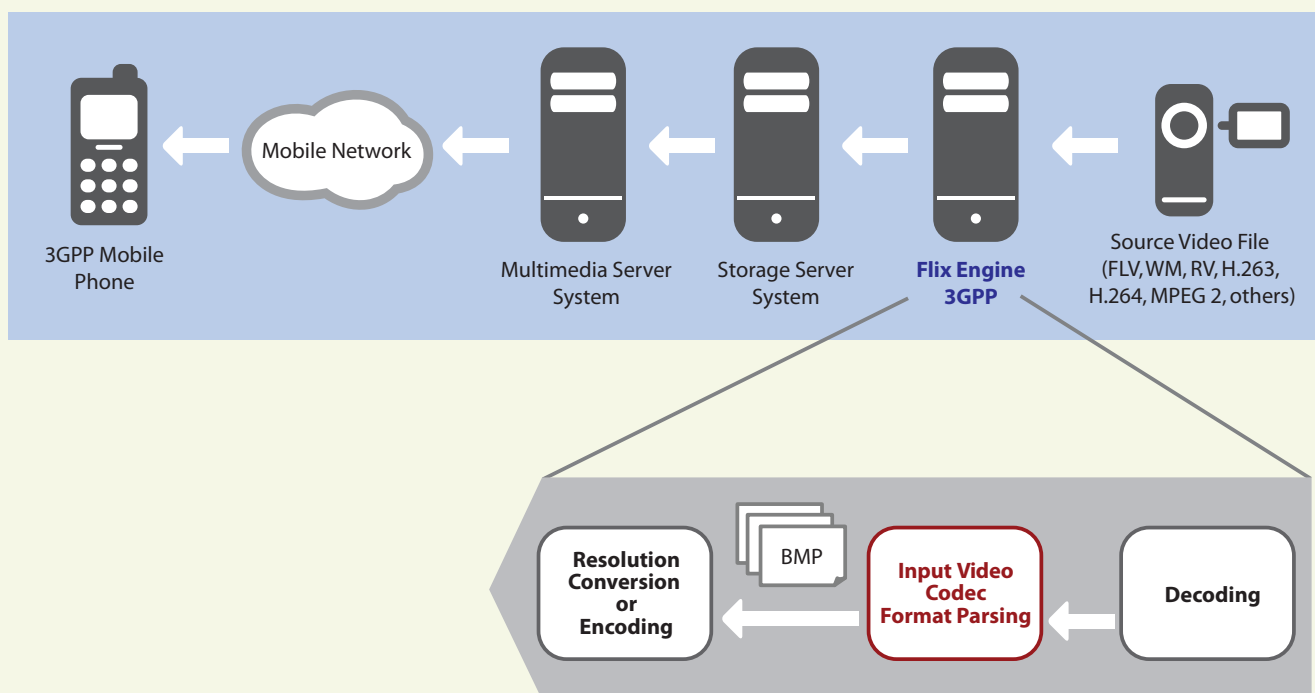
- Bring the most popular web content to mobile
The audience for user generated and social networking video grows by millions everyday on the web - and it is almost all in Flash video. Don't miss out on the growing demand for mobile video. Bring this content to mobile users through the existing base of 3GPP handsets already in the market.
- Leverage a single platform for all your video requirements
Whether you want video for your website, 3GPP for mobile - or both - Flix Engine 3GPP is the most elegant and affordable solution available to simultaneously encode both Flash and 3GPP video.
- Integrate into your existing infrastructure
Flix Engines have been deployed in a large majority of Internet portals, user generated content sites, service providers, and media companies. On2's easy install SDK comes with standard APIs to integrate with your service delivery platform easily.
- Grow your business
With storage costs on the decline, join the mobile video revolution within your existing Flash video creation workflow.

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Features

- Fully customizable SDK with powerful software APIs for service delivery platform integration; control video resolution, data rate, 1-pass/2-pass encoding, framerate, and more
- Encodes video into high-quality On2 VP6 for Flash format and 3GPP format¹ – simultaneously.
- Supports SQCIF to 16CIF resolutions for 3GPP
- Video data rate from 10kbps to 512 kbps for 3GPP
- Supports standard AMR datarates at 8khz sampling rate
- Operating Systems – Windows and Linux

Minimum System Requirements

- x86 GNU/Linux with GNU C Library v2.3.2 or Windows 2000 Server (or later)
- Intel Pentium III or AMD Athlon processor
- 256MB physical RAM
- 100BASE Ethernet

¹ Currently supporting H.263 and AMR-NB

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