



MVC/H.264 HDTV Software Codec SDK

MVE-100 SDK / MVD-100 SDK

The MVC/H.264 Software Encoder SDK makes your own software development work more pleasant and easier. Please take advantage of SDK when you develop 3D image handling software. By using the SDK, you can edit and deliver 3D images, while keeping the high picture quality that makes the 3D image come alive even more.

This development kit is compatible with multiprocessor environments, and designed to match your development requirements.

This software development kit:

- Offers MVC/H.264 video encoding capability
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- Offers a high image quality and high compression encoding engine even with MVC/H.264.
- Allows high speed parallel encode processing in a multiprocessor environment.
- Enables a wide range of functionality from offline conversion processing to streaming format through its memory input-output interface.
- Is provided as a Windows DLL file with C language programming API.

Features

• MVC Encoder

- Blu-ray 3D Profile Support
- Stereo and Multiview profile
- Support for to 10 View
- VBR/CBR (per View)
- I, P and B-Automatic scene change detection
- CBR rate control
- 2-pass VBR rate control
- Rate-Distortion optimization encoding
- Stored B-frame encoding (only for M=3)

• MVC Decoder

- Stereo and Multiview Profile
- Support for to 10 View
- Realtime Decoding with HD resolution (2 views)
- Multi-Threaded (up to 12 cores)

Operating Environment

- Microsoft Windows XP, Vista, 7 or newer
- Intel-compatible CPU (SSE2 or newer)
Intel Xeon QuadCore x 2way

Recommended Development Environment

- Microsoft Visual Studio .NET 2008 (MSVC9.0)

SDK Interface (MVE-100 SDK)



SDK Interface (MVD-100 SDK)



Video Input (MVE-100 SDK)	Frame size (pixels)	64x64 to 1920x1080
Video Output (MVD-100 SDK)	Frame rate (FPS)	10 to 60
	Scan type	Progressive
	Color space / format	YUV 4:2:0
	Bit depth	8 bits/pixel
Output (MVE-100 SDK) Input (MVD-100 SDK)	MPEG-4 MVC/H.264 elementary stream	32 [kbps] to 300 [Mbps]

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