

Intel® Media Software Development Kit 2014 HEVC Software Pack Release Notes

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Overview

The **Intel® Media Software Development Kit (Intel Media SDK) HEVC Software Pack** is a set of software development libraries (plug-ins) and tools that expose the HEVC (ISO*/IEC* 23008-2 MPEG-H Part 2 or ITU-T* H.265 standard) decode and encode acceleration capabilities of Intel® platforms.

Plug-ins are not standalone but additional libraries expanding the Intel® Media SDK for Clients with HEVC decode and encode functionality. The Intel® Video Pro Analyzer is a GUI tool for coded video bitstream analysis that allows to inspect each major step of decoding process visually and numerically.

New Features

Intel® Media SDK HEVC Software Pack is a new product that includes:

- *Intel® Media SDK HEVC Software Decode Plug-in*

Please see the Intel® Media SDK HEVC Software Decode Plug-in Release Notes for details:

`<install-folder>\Plugin\15dd936825ad475ea34e35f3f54217a6\mfxplugin-hevcd-release-notes.pdf`

- *Intel® Media SDK HEVC Software Encode plug-in*

Please see the Intel® Media SDK HEVC Software Encode Plug-in Release Notes for details:

`<install-folder>\Plugin\2fca99749fdb49aeb121a5b63ef568f7\mfxplugin-hevce-release-notes.pdf`

- *Intel® Video Pro Analyzer*

Please see the Intel® Video Pro Analyzer Release Notes for details:

<install-folder>\tools\VideoProAnalyzerEvaluation\
release_notes.rtf

System Requirements

Hardware

- For plug-in libraries: IA-32 or Intel® 64 architecture processors with support for Supplemental Streaming SIMD Extensions 3 instructions.

Software

- Microsoft* Windows* 7 , Microsoft Windows 8 or Microsoft Windows 8.1
- For Microsoft DirectX* 11 functionality - Microsoft Windows 8 or Microsoft Windows 8.1.
- Microsoft Visual C++* 2005 with Service Pack 1, or later version of Microsoft Visual C++.
- Intel® Media SDK 2014 for Clients.

Package Contents

Note: <install-folder> - folder where Intel® Media SDK HEVC Software Pack is installed.

<install-folder>	Intel® Media SDK HEVC Software Pack Release Notes (this file), End User License Agreement (EULA) "Intel Media SDK HEVC Software Pack EULA.rtf", a license file license.txt
<install-folder>\Plugin	Contains Intel® Media SDK HEVC Software Decode and Encode plug-ins. Please see the corresponding Release Notes for details.
<install-folder>\samples	Contains binaries and documentation for the following samples: <ul style="list-style-type: none">• Video Decoding Sample This sample performs decoding of elementary compressed video stream to raw frames; it supports decoding of HEVC (High Efficiency Video Coding) video via Intel® Media SDK HEVC Software Decode Plug-in• Video Encoding Sample This sample performs encoding of raw video frames into elementary

	<p>compressed stream; it supports encoding HEVC video via Intel Media SDK HEVC Software Encode Plug-in</p> <p>Also this folder contains a link to the location where full versions of the above samples, including source code, can be downloaded.</p>
<p><install-folder>\ tools\</p>	<p>Contains the following tools in binary form:</p> <ul style="list-style-type: none"> • Intel® Video Pro Analyzer in folder VideoProAnalyzerEvaluation. <p>Please see the corresponding Release Notes for details.</p>

Installation

- Installation requires full administrative rights.
- Double-click on the executable file Intel(R)_HEVC_Pack_x86_x64.exe to begin installation.
- Intel® Media SDK HEVC Software Pack requires Intel® Media SDK 2014 for Clients. It will be installed automatically with Intel® Media SDK HEVC Software Pack if not done before.
- The default top-level installation folder for Intel® Media SDK HEVC Software Pack is:
 - C:\Program Files\Intel\Media SDK 2014 HEVC Software Pack
 - Default location could be change during installation using button "Options".
- The default top-level installation folder for Intel® Media SDK 2014 for Clients is:
 - C:\Program Files\Intel\Media SDK 2014 for Clients
 - Default location can be change during installation.

How To Use

You can find more information on how to use Intel® Media SDK HEVC Software Pack together with Intel Media SDK 2014 for Clients in the following documentation:

- <MediaSDK2014-install-folder>\doc\mediasdk-man.pdf
 "Intel Media SDK Reference Manual" describes the Intel Media SDK API, including HEVC codec related definitions.
- <MediaSDK2014-install-folder>\doc\mediasdkusr-man.pdf
 "Intel Media SDK Extensions for User-Defined Functions" describes an API extension (aka plug-ins API) that allows seamless integration of user-defined functions in Intel Media SDK pipelines.
- <MediaSDK2014-install-folder>\doc\Intel_Media_Developers_Guide.pdf

“Intel Media SDK 2014 Developer’s Guide” provides development hints and tips to help developers create media applications using Intel Media SDK. It also covers specifics of plug-ins API usage.

Note: <MediaSDK2014-install-folder> - folder where Intel Media SDK 2014 for Clients is installed.

Known Limitations

The Intel® Media SDK HEVC Software Pack has the following known limitations:

- The Intel Video Pro Analyzer is an evaluation copy. It is fully functional with the following limitations:
 - Picture size limited to 1920x1088. Larger streams will not open.
 - Picture count limited to 4. Only the first 4 pictures will load if a sequence contains more.

Please see Release Notes for each component for more details.

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