



NVIDIA VIDEO CODEC SDK

Release Notes

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Chapter 1. Release Notes

1.1. What's new in Video Codec SDK 11.0

Encode Features:

1. Alpha Layer Encoding in HEVC
2. Temporal SVC in H.264

Decode Features:

1. AV1 Main profile decoding up to level 6.0
2. Histogram collection for AV1, HEVC, H264 and VP9.

1.2. Package Contents

This package contains the following:

1. Sample applications demonstrating various encoding/decoding/transcoding capabilities
 - ▶ [.\Samples\]
2. NVIDIA video encoder API header
 - ▶ [.\Interface\nvEncodeAPI.h]
3. NVIDIA video decoder API headers
 - ▶ [.\Interface\cuiddec.h]
 - ▶ [.\Interface\nvcuid.h]
4. NVIDIA video decoder and encoder stub libraries
 - ▶ [.\Lib\linux\stubs\x86_64\libnvcuid.so]
 - ▶ [.\Lib\linux\stubs\x86_64\libnvidia-encode.so]
 - ▶ [.\Lib\linux\stubs\ppc64le\libnvcuid.so]
 - ▶ [.\Lib\linux\stubs\ppc64le\libnvidia-encode.so]
 - ▶ [.\Lib\linux\stubs\arm64\libnvcuid.so]

- ▶ [.\Lib\linux\stubs\aaarch64\libnvidia-encode.so]
- ▶ [.\Lib\Win32\nvcuvid.lib]
- ▶ [.\Lib\Win32\nvencodeapi.lib]
- ▶ [.\Lib\x64\nvcuvid.lib]
- ▶ [.\Lib\x64\nvencodeapi.lib]

The sample applications provided in the package are for demonstration purposes only and may not be fully tuned for quality and performance. Hence the users are advised to do their independent evaluation for quality and/or performance.

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