



NVAPI SDK - PUBLIC FOR DRIVER RELEASE 384

RN-06118-384-v01 | June 2017

Release Notes



DOCUMENT CHANGE HISTORY

RN-06118-384-v01

Version	Date	Authors	Description of Change
01	6/28/2017	AP/CC	Initial release

NVAPI RELEASE NOTES

INTRODUCTION

NVAPI is NVIDIA's core software development kit that allows direct access to NVIDIA GPUs and drivers on all windows platforms. NVAPI provides support for categories of operations that range beyond the scope of those found in familiar graphics APIs such as DirectX and OpenGL. These release notes describe the changes made in the NVAPI public SDK for the Release 384 driver. The following are the provided files:

- ▶ nvapi.h
- ▶ nvapi_lite_common.h
- ▶ nvapi_lite_d3dext.h
- ▶ nvapi_lite_salend.h
- ▶ nvapi_lite_salstart.h
- ▶ nvapi_lite_sli.h
- ▶ nvapi_lite_stereo.h
- ▶ nvapi_lite_surround.h
- ▶ NvApiDriverSettings.c
- ▶ NvApiDriverSettings.h
- ▶ nvHLSLExtns.h
- ▶ nvHLSLExtnsInternal.h
- ▶ nvShaderExtnEnums.h
- ▶ nvapi.lib
- ▶ nvapi64.lib
- ▶ NVAPI_Reference_Developer.chm
- ▶ NVAPI SDKs Samples and Tools License Agreement (Public).pdf

CHANGES IN NVAPI FOR DRIVER RELEASE 384

Functions

- ▶ `NvAPI_D3D10_SetDepthBoundsTest`
- ▶ `NvAPI_D3D12_UseDriverHeapPriorities`
- ▶ `NvAPI_D3D_CreateLateLatchObject`
- ▶ `NvAPI_D3D_QueryLateLatchSupport`
- ▶ `NvAPI_D3D12_Mosaic_GetCompanionAllocations`
- ▶ `NvAPI_D3D12_Mosaic_GetViewportAndGpuPartitions`

TCC support added to the following functions:

- ▶ `NvAPI_GPU_GetAllClockFrequencies`
- ▶ `NvAPI_GPU_GetDynamicPstatesInfoEx`

Structures

- ▶ `NV_COLOR_DATA_V4`
- ▶ `NV_HDR_CAPABILITIES_V2`
- ▶ `NV_HDR_COLOR_DATA_V2`
- ▶ `NV_GSYNC_STATUS_PARAMS_V2`
- ▶ `NV_D3D_LATELATCH_OBJECT_DESC_V1`
- ▶ `NV_QUERY_LATELATCH_SUPPORT_PARAMS_V1`
- ▶ `NV_D3D12_MOSAIC_GETCOMPANIONALLOCATIONS_V1`
- ▶ `NV_D3D12_MOSAIC_GETVIEWPORTANDGPUPARTITIONS_V1`

Enums

- ▶ `NV_COLOR_SELECTION_POLICY`
- ▶ `NV_HDR_MODE_UHDA_NB` added to `NV_HDR_MODE`
- ▶ `NV_HDR_MODE_DOLBY_VISION` added to `NV_HDR_MODE`
- ▶ `NVAPI_GPU_IN_DEBUG_MODE` added to `NvAPI_Status`

Deprecated NVAPI Functions

The following functions will be deprecated in coming releases:

Deprecated	Replaced By
None	N/A

NVAPIDriverSettings Additions/Removals

- ▶ PS_FRAMERATE_LIMITER_BB_QM added to EValues_PS_FRAMERATE_LIMITER
- ▶ PS_FRAMERATE_LIMITER_NO_LAG_OFFSET added to EValues_PS_FRAMERATE_LIMITER
- ▶ PS_FRAMERATE_LIMITER_NO_ALIGN added to EValues_PS_FRAMERATE_LIMITER

HLSL Extension Additions

- ▶ None

About the Sample Code

Sample code is provided with the SDK package that demonstrates the following features:

- ▶ CustomTiming
- ▶ DisplayConfiguration
- ▶ I2C
- ▶ Quadro Sync_Configuration

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