



NVAPI SDK - PUBLIC FOR DRIVER RELEASE 300

RN-06118-300-v01 | April 2012

Release Notes



DOCUMENT CHANGE HISTORY

RN-06118-300-v01

Version	Date	Authors	Description of Change
01	4/9/2012	AP	Initial release for 301.28

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.

The following are the provided files:

- ▶ nvapi.h
- ▶ nvapi.lib (for 32-bit support)
- ▶ nvapi64.lib (for 64-bit support)
- ▶ NvAPIDriverSettings.h
- ▶ NvAPIDriverSettings.c
- ▶ NVAPI_Reference_Developer.chm

These release notes describe the changes made in the NVAPI public SDK for the Release 300 driver.

CHANGES IN NVAPI FOR DRIVER RELEASE 300

- [New Functions](#)
- [New Structures](#)
- [New Enums](#)
- [Deprecated NVAPI Functions](#)
- [NVAPIDriverSettings Changes](#)

New Functions

- ▶ `NvAPI_GPU_QueryIlluminationSupport`
- ▶ `NvAPI_GPU_GetIllumination`
- ▶ `NvAPI_GPU_SetIllumination`

New Structures

- ▶ `isPanAndScanTarget` added to `NV_DISPLAYCONFIG_PATH_ADVANCED_TARGET_INFO_V1`
- ▶ `NV_GPU_QUERY_ILLUMINATION_SUPPORT_PARM_V1`
- ▶ `NV_GPU_GET_ILLUMINATION_PARM_V1`
- ▶ `NV_GPU_SET_ILLUMINATION_PARM_V1`
- ▶ `NV_I2C_INFO_V3`

New Enums

- ▶ NV_GPU_ILLUMINATION_ATTRIB

Deprecated NVAPI Functions

The following functions will be deprecated and replaced by new functions in coming releases:

Deprecated	Replaced By
N/A	N/A

NVAPIDriverSettings Changes

New additions:

- ▶ OGL_MAX_FRAMES_ALLOWED_STRING
- ▶ D3DOGL_GPU_MAX_POWER_STRING
- ▶ VSYNC_BEHAVIOR_FLAGS_STRING
- ▶ WKS_FEATURE_SUPPORT_CONTROL_STRING
- ▶ VSYNCTEARCONTROL_STRING
- ▶ OGL_MAX_FRAMES_ALLOWED_ID added to ESetting
- ▶ D3DOGL_GPU_MAX_POWER_ID added to ESetting
- ▶ VSYNC_BEHAVIOR_FLAGS_ID added to ESetting
- ▶ WKS_FEATURE_SUPPORT_CONTROL_ID added to ESetting
- ▶ VSYNCTEARCONTROL_ID added to ESetting
- ▶ EValues_VSYNC_BEHAVIOR_FLAGS enum added
- ▶ EValues_WKS_FEATURE_SUPPORT_CONTROL enum added
- ▶ PRERENDERLIMIT_APP_CONTROLLED added to EValues_PRERENDERLIMIT
- ▶ EValues_VSYNCTEARCONTROL enum added
- ▶ g_valuesD3DOGL_GPU_MAX_POWER array added
- ▶ g_valuesVSYNC_BEHAVIOR_FLAGS array added
- ▶ g_valuesWKS_FEATURE_SUPPORT_CONTROL added
- ▶ PRERENDERLIMIT_APP_CONTROLLED added to g_valuesPRERENDERLIMIT array
- ▶ g_valuesVSYNCTEARCONTROL array added

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