NVIDIA OPTICAL FLOW SDK

Release Notes
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Chapter 1. Release Notes

1.1. What's new in Optical Flow SDK 2.0

- The NVIDIA GA100 and above GPUs support an advanced version of NVOFA. Optical Flow SDK 2.0 adds support for the optical flow functionality in NVIDIA GA100 and above GPUs.
- Support for 1x1 and 2x2 grid size
- Hardware based flow vector cost calculation
- Support for flow vectors in Region of interest (ROI)
- NVOFA assisted tracker

1.2. Package Contents

This package contains the following:

1. Sample applications demonstrating generation of optical flow vectors and stereo disparity between frames passed as DirectX and CUDA buffers
   - NvOFBasicSamples
2. NVIDIA optical flow API files
   - NvOFInterface
3. NVIDIA optical flow based Tracker
   - NvOFTracker

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.

The sample applications in the package use the Freelmage open source library. Please see http://freeimage.sourceforge.net for details. Freelmage is used under the FIPL, Version 1.0. A copy of the license is present in the package at .\Common\External\Freelmage\license-fi.txt
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