VPPPlugin Utility Class

Overview

VPPlugin Utility Class works with **Intel® Media SDK 2016** and **Intel® Media Server Studio 2016**.

It demonstrates how to use the **Media SDK for Windows* and Media Server Studio – SDK** (hereinafter referred to as "**SDK**") API to construct a pipeline from several video-processing filters including standard **SDK** VPP and User Defined SDK Plugin module.

Features

VPPPlugin utility class implements a pipeline with up to three of the following filters, first and last filter are optional:

> *[MFXVideoVPP]* → *MFXPlugin* → *[MFXVideoVPP]*

The entire pipeline is exposed under interface unified as much as possible with the **SDK** interface `MFXVideoVPP`, so the application can dynamically select between standard video processing through `MFXVideoVPP` and multi-filters video processing through VPPPlugin utility class, as demonstrated in the sample application located in "`<install-folder>\samples\sample_multi_transcode`."

The middle filter in **VPPPlugin utility class** pipeline is the user-defined plugin and must be compiled as a separate dynamic library. See "`<install-folder>\samples\sample_user_modules`" for examples of this plugin module.

Software Requirements

See `<install-folder>\Media Sample Guide.pdf`

How to Use the Utility Class

VPPPlugin utility class is demonstrated as a part of **Transcoding Sample** package, see "`<install-folder>\sample_multi_transcode\readme-multi-transcode.rtf`" for details.

VPPPlugin utility class is used once the command-line option `–angle 180` or `–opencl` (they enable user plugins in the transcoding pipeline) is passed to the console application `sample_multi_transcode.exe`.

Known Limitations

- None

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