

mvIMPACT Acquire SDK

mvIMPACT Acquire is the application programming interface (API) for MATRIX VISION hardware which is part of the driver package.

The programming interface can be used

- to control the hardware and
- to acquire the images (including to set the parameters).

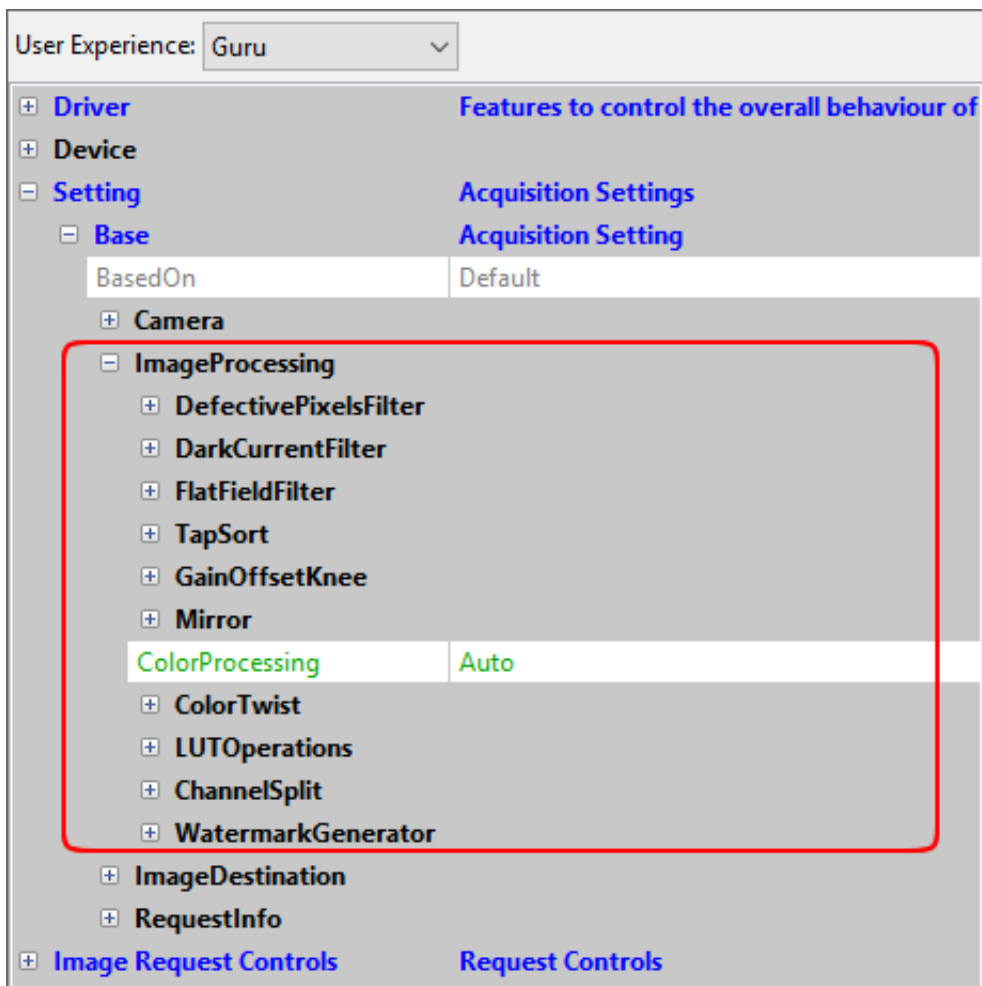
/* */

- Programming languages
- Image processing functions
- Supported libraries
- Sample applications
- mvVirtualDevice
- Downloads

A number of current programming languages are supported like:

- C,
- C++,
- .NET (like C#, VB.NET, etc.), and
- Python

mvIMPACT Acquire offers a number of integrated host-based image processing functions, which are available for all [MATRIX VISION hardware products](#). The following screenshot shows the available functions:



The order of the features in this list represents the order of the processing pipeline.

mvIMPACT Acquire offers

- [interfaces for the common image processing libraries.](#)

The mvIMPACT Acquire driver package consists of mvIMPACT Acquire based sample applications.


The best-known and most comprehensive sample application is **wxPropView**. With this application you can display and set all parameters of the used hardware. Besides, you can acquire, set, and display the images with **wxPropView**. **wxPropView** is not limited to MATRIX VISION hardware. mvIMPACT Acquire can be used with any [GenICam](#), [GigE Vision](#), and [USB3 Vision](#) compliant.

With the mvVirtualDevice it is possible to grab images from the hard disk e.g. to test own images for test runs. You also can program the hardware specific part without using MATRIX VISION hardware, yet.

Drivers and applications for Windows XP, Vista, 7 (mvIMPACT Acquire)

Since version 2.10.1 of mvIMPACT Acquire the "Merge Modules for mvIMPACT Acquire" are available as a separate download.

For this reason the installation packages are smaller now. The Merge Modules are needed for private setup routines, which shall include mvIMPACT Acquire drivers. More details are available in the [mvIMPACT Acquire manuals](#).

 [mvVirtualDevice x86 2.37.1.msi](#) | 61,832.0 kB

mvVirtualDevice 32 Bit Windows (7, 8.1, 10)

 [mvVirtualDevice x86_64 2.37.1.msi](#) | 78,860.0 kB

mvVirtualDevice 64 Bit Windows (7, 8.1, 10)


 [mvIMPACT Acquire.history](#) | 893.4 kB

mvIMPACT Acquire History-Datei / mvIMPACT Acquire history file

Older driver versions

 [mvVirtualDevice x86 1.12.73.msi](#) | 0.0 kB

mvVirtualDevice 32 Bit Windows (XP, Vista, 7)

 [mvVirtualDevice x86_64 1.12.73.msi](#) | 0.0 kB

mvVirtualDevice 64 Bit Windows (XP, Vista, 7)

 [mvVirtualDevice x86 1.12.0](#) | 0.0 kB

mvVirtualDevice 32 Bit Windows (XP, Vista, 7)

 [mvVirtualDevice x86_64 1.12.0](#) | 0.0 kB

mvVirtualDevice 64 Bit Windows (XP, Vista, 7)

 [mvVirtualDevice x86 1.11.53](#) | 0.0 kB

mvVirtualDevice 32 Bit Windows (XP, Vista, 7)

 [mvVirtualDevice x86_64 1.11.53](#) | 0.0 kB

mvVirtualDevice 64 Bit Windows (XP, Vista, 7)

Drivers and applications for Linux 2.6 (mvIMPACT Acquire)

 [install_mvVirtualDevice](#) | 30.9 kB

Linux Installer Skript für mvVirtualDevice / Linux installer script for mvVirtualDevice

 [mvVirtualDevice x86 ABI2 2.37.1.tgz](#) | 10,478.5 kB

mvVirtualDevice 32 Bit Linux

 [mvVirtualDevice x86_64 ABI2 2.37.1.tgz](#) | 12,778.9 kB

mvVirtualDevice 64 Bit Linux

 [mvIMPACT Acquire.history](#) | 893.4 kB

mvIMPACT Acquire History-Datei / mvIMPACT Acquire history file

Older driver versions

 [mvVirtualDevice x86_ABI2 1.12.73.tgz](#) | 0.0 kB


mvVirtualDevice 32 Bit Linux

 [mvVirtualDevice x86_64_ABI2 1.12.73.tgz](#) | 0.0 kB

mvVirtualDevice 64 Bit Linux

 [mvVirtualDevice x86_ABI2 1.12.0](#) | 0.0 kB


mvVirtualDevice 32 Bit Linux

 [mvVirtualDevice x86_64_ABI2 1.12.0](#) | 0.0 kB

mvVirtualDevice 64 Bit Linux

 [mvVirtualDevice x86_ABI2 1.11.53](#) | 0.0 kB

mvVirtualDevice 32 Bit Linux

 [mvVirtualDevice x86_64_ABI2 1.11.53](#) | 0.0 kB

mvVirtualDevice 64 Bit Linux

Additional packages for NeuroCheck, LabVIEW, DirectShow, VisionPro and Halcon

Since version 1.10.69, the **DirectShow®** driver is part of the mvIMPACT Acquire installation package.

Since version 1.10.85, an interface to **VisionPro®** (Cognex) will be installed automatically when installing an MSI based mvIMPACT Acquire driver package.

mvIMPACT Acquire bindings for **HALCON** are available on MVTec's website:
<http://www.halcon.de/download/>

 [LabVIEW acquire-x86-1.6.8](#) | 9,028.0 kB

32 Bit mvIMPACT Acquire Binding für LabVIEW ab Version 6.1 / 32 Bit mvIMPACT Acquire binding for LabVIEW 6.1 or greater

 [LabVIEW acquire-x86_64-1.6.8](#) | 10,980.0 kB

64 Bit mvIMPACT Acquire Binding für LabVIEW ab Version 6.1 / 64 Bit mvIMPACT Acquire binding for LabVIEW 6.1 or greater

 [LabVIEW acquire.history](#) | 7.2 kB

32 Bit LabView Binding History-Datei / 32 Bit LabView binding history file

Manuals

 [mvVirtualDevice technical manual](#) | 1,610.0 kB

mvVirtualDevice Technisches Handbuch / Technical Manual

[Hinweis](#) / [Note](#)

 [mvVirtualDevice technical manual \(html\)](#)

mvVirtualDevice Technisches Handbuch / Technical Manual

 [mvIMPACT Acquire API C++](#) | 9,989.7 kB

mvIMPACT Acquire API C++ Handbuch / Manual

 [mvIMPACT Acquire API C](#) | 3,782.3 kB

mvIMPACT Acquire API C Handbuch / Manual

 [mvIMPACT Acquire API .NET](#) | 6,947.3 kB

mvIMPACT Acquire API .NET Handbuch / Manual

The current mvIMPACT Acquire releases are available here:

- [Support → Drivers & Software.](#)

Subject to change without notice, Date 07/2018