

CVB CameraSuite

[CVB CameraSuite](#) is a powerful, flexible and innovative **image acquisition software for fast and reliable acquisition of GigE Vision and USB3 Vision compliant cameras.**

CVB is based on STEMMER IMAGING's excellent experience with acquisition components from many leading manufacturers and supports the latest image acquisition and image processing manufacturer-neutral technologies with maximum performance.

STEMMER IMAGING is an active member of key standardization committees and involved in the [development of standards](#) such as GigE Vision, USB3 Vision and GenICam.

By [downloading the CVB CameraSuite](#), STEMMER IMAGING customers receive a reliable, independent and [powerful image acquisition SDK](#) for various hardware platforms (x86/i686, x64/x86_64, armv7l, aarch64) for the supported operating systems (Win7/8/10 32 and 64 bit and Ubuntu Linux).

The development environment contains **generic drivers for the camera connection**, is extremely **versatile, non-proprietary** and includes all functions that the user needs for a **quick and easy development** of his image processing application.

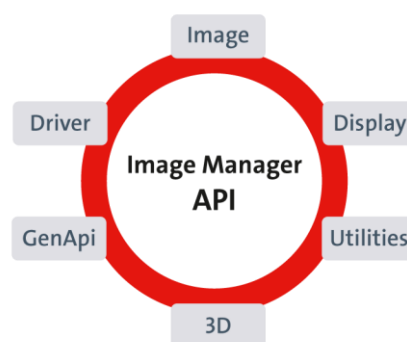
The CVB CameraSuite is available free of charge with all cameras bought at STEMMER IMAGING that comply with the GigE Vision or USB3 Vision standard. For GigE Vision-compatible cameras, [CameraSuite licensing](#) is via the camera's MAC address, and for USB3 Vision-compatible cameras via the serial number and manufacturer ID. The software supports various file formats and contains **numerous sample programs in source code**, which make it easier for users to develop their own applications. An interactive camera parameterization can be easily performed via the **SystemBrowser** or the [GenICamBrowser](#) for **basic configuration**, as well as for **camera testing, image acquisition and image storage.**

With CVB's own GenICam driver for GigE Vision and USB3 Vision, the CameraSuite guarantees vendor independence and up-to-dateness to the GenICam standard.

CameraSuite SDK includes

- [Programming libraries](#) for
 - Image acquisition,
 - Image display,
 - Configuration of the hardware, as well as
 - Basic functions for processing and display 3D data,

- [Manuals, sample programs and tutorials](#) in various programming languages to help you develop your own application as quickly and efficiently as possible.



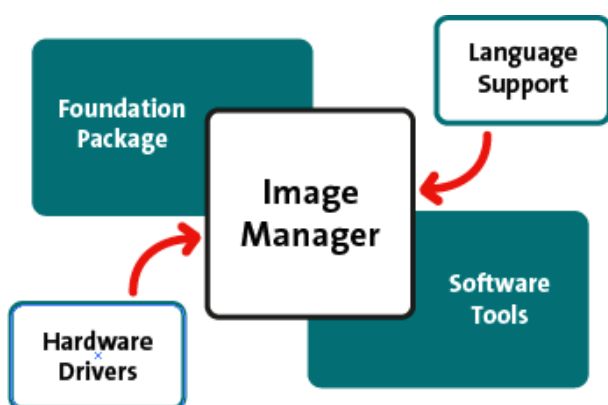
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- Various [APIs](#) are available from version [CVB 13.2 \(2019\): CVB.Net, CVB++](#) and [CVBpy](#).
- Possibilities of [developing cross-platform applications](#).
- Virtual drivers for hardware simulation (CVMock.win and *.emu files).
- [Interoperability](#) of Common Vision Blox with other programming libraries (OpenCV, MVTec's Halcon®, IPP, Teledyne Dalsa's Sopera®, MIL, ...).

Extending the functionality of the CVB CameraSuite to include the

- **Foundation package** or
- further, **individual tools**

requires the **installation of the entire CVB SDK and Image Manager licensing**.



- **Flexible [licensing](#):**
 - based on [Image Manager Lizenz](#)
 - optionally select the [Foundation Package](#),
 - as well as individual [tool libraries](#) and examples.
- **Different licensing methods** for different usage models:
 - via USB dongle for flexible use on different computer systems,
 - The NodeLocked license can be used computer-bound,
 - 30-day trial license to test the full-featured Common Vision Blox SDK.
- **Free download** and [support](#) at: www.commonvisionblox.com
- **Online-Help** at: <https://www.commonvisionblox.com/en/online-help/>
- **Userforum** at: <https://forum.commonvisionblox.com/>