

## Common Vision Blox Application Note

# Common Vision Blox Licensing

*CameraSuite License*

*Node Locked License*

*30-day Trial License*

*USB Dongle*

Version 3.0.0 from 05/12/2018

## CVB Licensing

This document outlines the different licensing methods in Common Vision Blox (CVB) which includes USB Dongles, CameraSuite licensing, Node Locked licenses and Trial licenses.

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# CVB Licensing

## 1. Requirements

The licensing methods described in this document are for Common Vision Blox 13.00.000 and above. Internet/email access for retrieving licenses is not necessary on the same PC.

## 2. Common Vision Blox Licensing

Common Vision Blox contains following licensing methods:

- CameraSuite licensing
- Node Locked licensing
- 30-day Trial licensing
- USB Dongle licensing

Licensing in Common Vision Blox relies on two items: The **Common Vision Blox serial number** and the (tool related) **Magic Number**. Together, those two allow a flexible and modular licensing concept that fits the modular nature of Common Vision Blox.

The **CameraSuite licensing** model allows PCs to have an [Image Manager License](#) when a suitable GigE Vision/USB3 Vision camera is connected to the PC.

**Node Locked** licensing involves locking the license to the target PC's hardware. The **30-day trial license** is a special case of this method.

**USB Dongle licensing** offers a flexible system usage with CVB.

In each case the licensing is managed via the CVB Management Console (Windows) or the CVB License Manager (Linux, Windows).

From a **Windows PC** with CVB installed, go through the Start menu to:

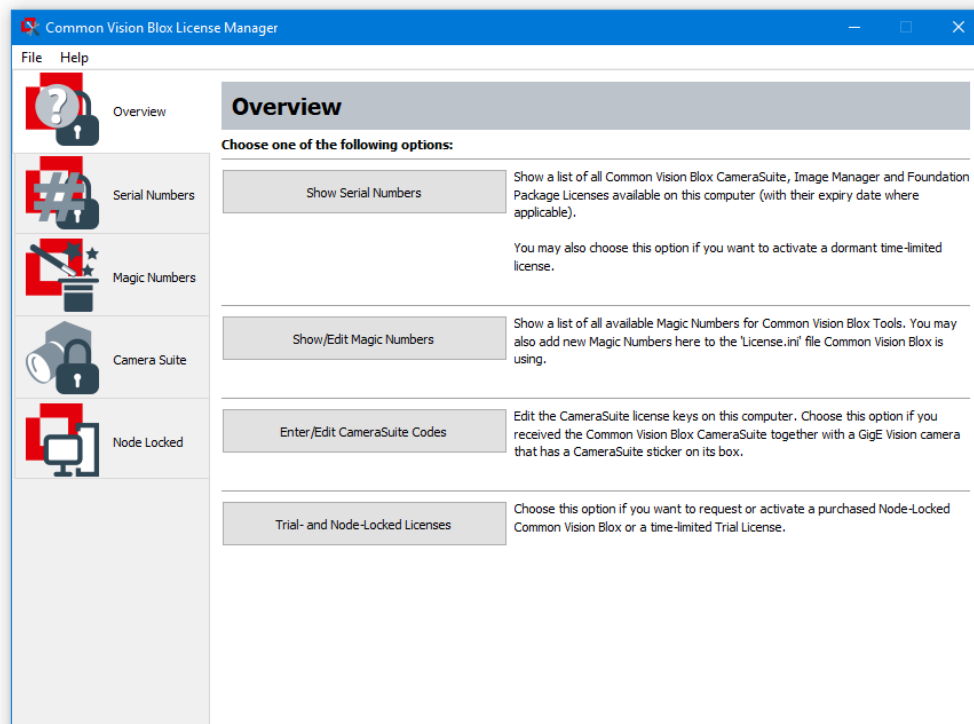
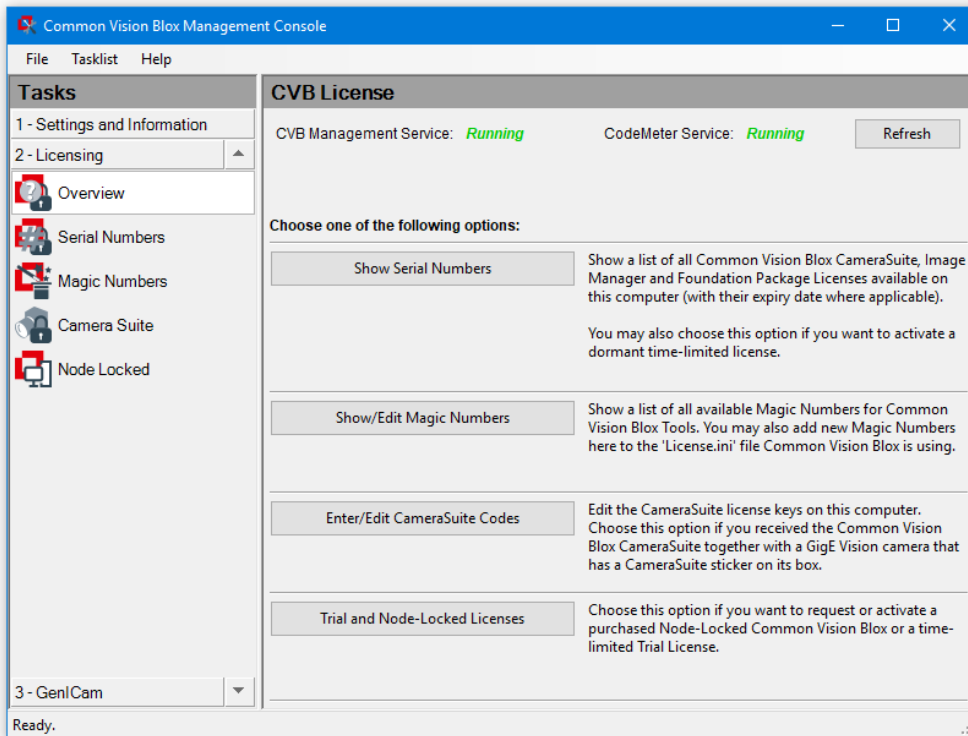
*All Programs > Stemmer Imaging > Common Vision Blox >  
Common Vision Blox Management Console or License Manager.*

On a **Linux system** the *CVB License Manager* is to be found in */opt/cvb/bin*.

Both applications allows access to the licensing information:

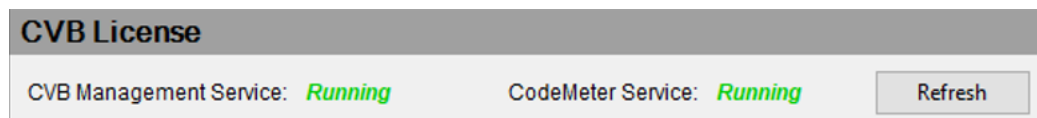
# CVB Licensing

The *Licensing Overview* shows all available licensing modes:



## CVB Licensing

The licensing depends on Wibu's licensing service CodeMeter as well as on the CVB Management Service (CVMgmtSvc) running.



The **Licensing Overview** shows if both services are running. If these services do not run or the license is invalid the CVB's licensing will fail and **a watermark will be displayed in the image**.

### CameraSuite licensing

The CVB CameraSuite is a licensing model designed for users who want to use CVB as a versatile SDK for their image acquisition hardware, e.g., GigE Vision or USB3 Vision cameras bought from Stemmer Imaging. Technically speaking, CVB CameraSuite licenses present themselves as a license with the Common Vision Blox serial number 0 that is available as soon as the hardware to which the license refers has been plugged in (and in some cases an activation key has been entered).

With a CVB CameraSuite license the whole functionality of the CVB Image Manager may be used without any restrictions.

It is not possible to license the Foundation Package or any of the Common Vision Blox tools with a CVB CameraSuite license. For this, a CVB Image Manager or Foundation Package license must be installed on the system.

If you have an image acquisition device that has been supplied with a CVB CameraSuite Activation Code, it can be used to activate the Common Vision Blox CameraSuite functionality.







### Retrieving the CameraSuite license:

There are multiple methods for retrieving the [CameraSuite](#) license.

1. Using a computer with internet connection:
  - a. When opening the **CVB Management Console or CVB License Manager**, it will check for all attached GigE Vision/USB3 Vision devices on the PC and then query a server at Stemmer Imaging to retrieve the **CameraSuite licenses** automatically. The camera needs to be setup correctly and be accessible in CVB (for GigE cameras the camera needs to be in the same network).


All licenses are shown in the tap *CameraSuite*:


# CVB Licensing


-  Overview
-  Serial Numbers
-  Magic Numbers
-  Camera Suite
-  Node Locked
-  Configuration


## Camera Suite Licenses


**Available CameraSuite activation codes:**

 ZCPS-84BG-VMAA-4T5V-CY2D-W4UB-P2HQ

 SDUB-VZ8H-ZGCY-M7KC-F24U-P8WU-C6F6

 Use the '+' button to add new CVB CameraSuite codes.

 The 'x' button removes the currently selected code.

 The search button will verify the availability of GEV devices.

Modifications of the list will be written to the system immediately.


Check/uncheck the license types you want to enable/disable (may reduce bus load, but may also result in licenses being unavailable at runtime).

GigE Vision CameraSuite

USB3 Vision CameraSuite


ATTENTION!

Please remove a license sticker and place it on your camera.




**CVB CameraSuite**

KFTJ-DPCA-64EV-SJ9K-A79W-Y5TC-E6YA



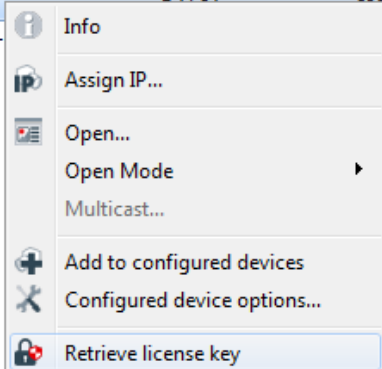
00-01-0D-13-02-3E



- b. If the **GenICam Browser** is used for camera setup, it is possible to query the **CameraSuite license** for a camera by right clicking on the camera:

### Available Devices

Name	Description	SerialNumber	UserName
Factory			
SI TL Simulator	ADLINK		
USB3 Vision devices	STEMMER IMAGING		
SI GEV TL	STEMMER IMAGING		
Filter Driver @ 90-E2-BA-A4-6F-2E			
Genie C640		01073	MyCamera1
Socket Driver @ 90-			
Genie C640		01073	MyCamera1



This feature requires admin-rights.

# CVB Licensing

2. Using a computer without internet connection:

a. The CameraSuite license is printed on the card included in the camera package:



b. Retrieve the license from the CVB website based on the cameras MAC address or serial number <http://www.commonvisionblox.com/en/licence-key-request/>

For **GigE Vision cameras** the MAC-address of the camera is needed:

### Request activation code:

 GigE Vision camera

 USB3 Vision camera

### Licence key for GigE Vision camera

Please proceed as follows:

1. Enter the MAC address of your camera.
2. You will immediately receive the appropriate licence key for the CVB CameraSuite.

Enter the MAC address of your camera:

For **USB3 Vision cameras** the serial number of the camera is needed:

### Request activation code:

 GigE Vision camera

 USB3 Vision camera

### Licence key for USB3 Vision camera

Please proceed as follows:

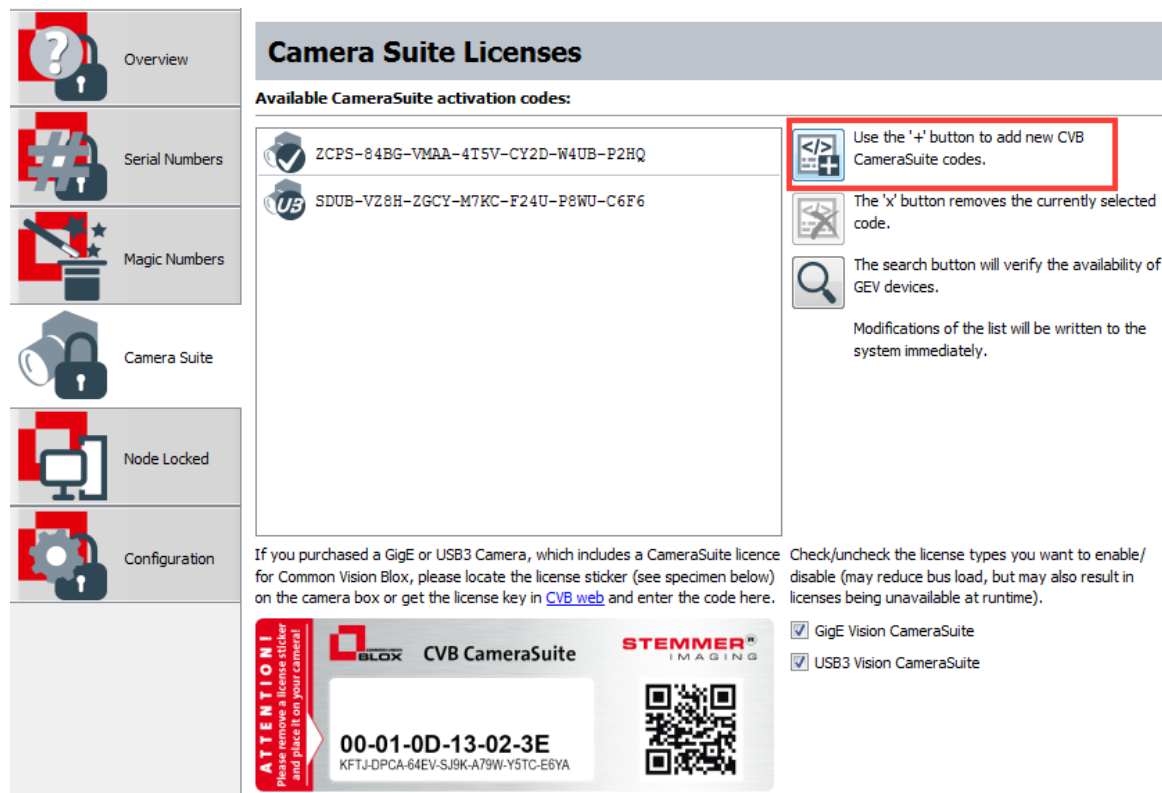
1. Enter the serial number of your camera.
2. You will immediately receive the appropriate licence key for the CVB CameraSuite.

Enter the serial number of your camera:



# CVB Licensing

To enter the license, just click the '+' button and enter the CameraSuite code:



**Camera Suite Licenses**

Available CameraSuite activation codes:

- ZCPS-84BG-VMAA-4T5V-CY2D-W4UB-P2HQ
- SDUB-VZ8H-ZGCY-M7KC-F24U-P8WU-C6F6

Use the '+' button to add new CVB CameraSuite codes.

The 'x' button removes the currently selected code.

The search button will verify the availability of GEV devices.

Modifications of the list will be written to the system immediately.

If you purchased a GigE or USB3 Camera, which includes a CameraSuite licence for Common Vision Blox, please locate the license sticker (see specimen below) on the camera box or get the license key in [CVB web](#) and enter the code here.

Check/uncheck the license types you want to enable/disable (may reduce bus load, but may also result in licenses being unavailable at runtime).

- GigE Vision CameraSuite
- USB3 Vision CameraSuite

**ATTENTION!** Please remove a license sticker and place it on your camera!

**CVB CameraSuite**

**STEMMER IMAGING**

00-01-0D-13-02-3E

KFTJ-DPCA-64EV-SJ9K-A79W-Y5TC-E6YA

## Node Locked and Trial Licensing






Node Locked licenses are licenses that are bound to the hardware of the computer on which they are being activated. In other words: The computer assumes the role of the dongle that supplies the CVB license. Node Locked licenses typically do not expire and have a CVB serial number in the range of 300.000 and higher. Like USB dongle-bound licenses, Node Locked licenses need to be purchased over: [sales@stemmer-imaging.de](mailto:sales@stemmer-imaging.de).

Scale your CVB Node Locked license according to your needs: CVB [Image Manager](#), [Foundation Package](#), [Tools](#).

Trial licenses are in principle identical to Node Locked licenses, however they always have a limited usage period of typically 30 days and a fixed CVB serial number (999) and they are provided free of charge for the purpose of evaluating CVB. Full CVB functionality is licensed over this period of time. It is not permitted to use Trial licenses for a production environment and development.

Acquiring and activating a Node Locked license or a Trial license follows the same routine: Simply press the appropriate button on the Node Locked page of the CVB Management Console or CVB License Manager:

# CVB Licensing

 Overview	<h2>Trial and Node-Locked Licenses</h2>
 Serial Numbers	<p>Trial and Node-Locked Licenses are Common Vision Blox Licenses that do not need a dongle, but are bound to the computer on which they have been activated. They may either be permanent or have a limited usage period.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>Get Free Trial License</b> </div> <p>Free Trial Licenses include the whole range of Common Vision Blox tools and functionality. They expire after 30 days. Choose this option if you want to test Common Vision Blox.</p>
 Magic Numbers	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px; text-align: center;"> <b>Purchase Node-Locked License</b> </div> <p>Node Locked Licenses do not expire. They include only the tools you ordered. Contact your local distributor for pricing and details (see <a href="http://www.commonvisionblox.com">www.commonvisionblox.com</a> for a list of distributors).</p> <p>Remember that an activation code will only be sent to you if you also raise an order for the License that you request here.</p>
 Camera Suite	
 Node Locked	<div style="border: 1px solid #ccc; padding: 5px; text-align: center;"> <b>Enter License Activation</b> </div> <p>If you received a remote activation code from STEMMER IMAGING (file extension *.WibuCmRaU) you may use this option to activate the corresponding license on your system.</p>

... then give your contact details (and, if you are requesting a regular Node Locked license, the order code of the product order to which this license refers):

**Please fill in the following details:**

This information will be entered into the request file that you will then be able to submit to your local distributor. Please note that information marked with an asterisk (\*) is absolutely necessary to process your request! Please also make sure that your e-mail address is entered correctly, because the remote activation data will be sent to the e-mail address you enter in this dialog!

I agree to my personal data being handled as outlined in STEMMER IMAGING's [Privacy Statement](#).

First Name\*

Family Name\*

Company\*

E-Mail Address\*

Order Number\*

(Order Number is the code specified in your order confirmation)

Phone

Fax

Please **save the request file (extension \*.WiBuCmRaC) to disc and email it to:** [cvblicense@stemmer-imaging.de](mailto:cvblicense@stemmer-imaging.de) .

In return you will receive the **license activation data file with the extension \*.WiBuCmRaU**, typically during work days within 24 hours.

Once you have the activation data, return to the **Node Locked** page of the CVB Management Console and press the **Enter License Activation** button to activate your new license for Common Vision Blox.

## CVB Licensing

Please note that orders for regular Node Locked licenses may no longer be cancelled once the license activation has been sent to you.

Both, Node Locked licenses and Trial licenses will be bound to hardware characteristics on which the license is being activated. These hardware characteristics will be selected automatically (BIOS, CPU, hard disc and Network card) upon generation of the request and the license will remain intact as long as no more than two of these characteristics change on your system.

### ***USB Dongle Licensing***

USB dongle licenses for Common Vision Blox should be used for flexible system setups with CVB. They are not bound to the hardware of the computer, do not expire and need to be purchased over: [sales@stemmer-imaging.de](mailto:sales@stemmer-imaging.de) .

Scale your CVB USB dongle license according to your needs:  
CVB [Image Manager](#), [Foundation Package](#), [Tools](#).

The dongles are WIBU CodeMeter dongles, therefore the CodeMeter Control Center and CVB License Manager or CVB Management Console can be used to check the licenses on the dongle:

# CVB Licensing

## 3. Appendix/ Contact and Feedback

### Version History

Rev. & Date	Who	Comments
1.0.0 (14.02.2013)	V.Gimple	Initial draft.
2.0.0 (20.12.2016)	R.Riccato	Update
3.0.0 (03.12.2018)	H.Gast	Add License Manager

We hope that these notes were useful for you and look forward to your feedback. In case of further questions, please do not hesitate to contact our technical support.

Additional information as well as frequently asked questions and a lot of valuable details regarding image processing, can also be found on our website.

Phone: +49 89 80902-200

E-Mail: [support@stemmer-imaging.de](mailto:support@stemmer-imaging.de)

Web: <http://www.commonvisionblox.com>

[forum.commonvisionblox.com](http://forum.commonvisionblox.com)

<http://www.stemmer-imaging.de>(menu *Service*)

Yours sincerely - STEMMER IMAGING Technical Team