

# Tutorial

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## vicoupgrade for vicosys

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General procedure for upgrading to 64-bit architecture



## Impress

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Name of the document	vicoupgrade for vicosys-en-1.0
Date of first issue	2021-10-04
Date modified	2021-12-06
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## Validity

This document is valid for the following devices as well as the derived device configurations.

- Multi-camera system vicosys 5300
- Multi-camera system vicosys 5400

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## 1 Foreword

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This document explains how to use the **Upgradestick vicosys** provided by Vision & Control.

The **Upgradestick vicosys** is a USB stick that is loaded with special software. It is plugged into a USB port of the vicosys and booted during start-up.

With the **Upgradestick vicosys**, you can upgrade your multi-camera system vicosys 5300/5400 from the 32-bit to the 64-bit version (from version 300).

The upgrade will allow you to have better performance as well as support for future tools.

This document will help you to perform the upgrade properly.

Before you perform the upgrade, we recommend creating a backup using vcwin and vicostick.

### Requirements

You will need the following components:

- the **Upgradestick vicosys** (order no. 4-21-163)
- a vicosys with connected keyboard and connected monitor

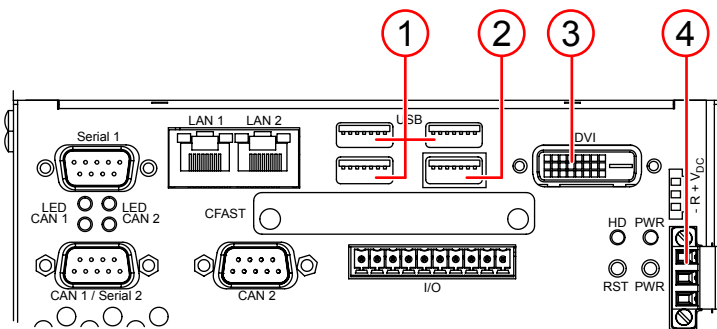
## 2 Connect components and set boot option



### NOTICE

Installation and connection operations may only be performed in the off and de-energised state.

If the unit is in standby, switch off the unit by switching off the supply voltage (4).  
Alternatively, the unit can be switched off by pressing the PWR button (5 seconds).



View vicosys 5300/5400

1	USB 2.0	3	DVI output
2	USB 3.0	4	Power supply input

1. Connect the keyboard to one of the USB interfaces (1) (2).
2. Plug the Upgradestick vicosys into a USB interface (1) (2).
3. Connect the monitor to the DVI output (3).
4. Switch on the operating voltage supply (4). Alternatively, press the PWR button briefly.  
Only for vicosys 5400: Press [Entf] or [Del] on the keyboard immediately to enter the BIOS.
  - In the **Boot** tab, under **Hard Drive BBS Priorities**, select the upgrade stick as **Boot Option #1**.
  - Execute "Save Changes and Exit".
5. The vicosys boots automatically from the upgrade stick.

### 3 Perform upgrade



#### NOTICE

Before making any changes to the vicosys firmware, create a backup of your current system.

After the boot process, the upgrade script is started. You will see the information about the upgrade stick on the monitor. Under **available versions** the available versions are displayed with number (0) and designation (301).

```
vicosys upgrade stick version: 1.0.2
Serial: 12345678903
Customer: SysEnt
UPGRADE_IMAGES: /mnt/stick/vicosys-system_301.bin
available versions:
0      301
select version:
-
```

1. Enter the number of the desired version. Confirm with [Enter].

```
available versions:
0      301
select version:
0

System: /mnt/stick/vicosys-system_301.bin
Boot: /mnt/stick/bootzero_301.bin
verifying upgrade file integrity
Target: /dev/sda

Warning system upgrade is dangerous.
If something goes wrong it may leave the system in an unusable state,
from which the upgrade cannot be restarted!
All user settings and data on the system will be lost!
Make sure that you made a complete system backup with the
old vicostick and backed up all settings and data via vcin.

Type "yes" to continue with upgrade:
-
```

2. After the data has been checked, you will be asked if you want to update the system. Confirm the upgrade with “yes” and [ENTER]. The vision system is then updated with the selected version. Other entries cancel the upgrade.

```
Type "yes" to continue with upgrade:
yes

starting upgrade, do not interrupt!

creating partitions
writing boot sectors
installing operating system
initialising user data partition
restoring license file

upgrade complete

press key to shutdown
```

3. After the upgrade, press any key to restart the system. Remove the upgrade stick from the vision system.