

How to Install and Use uEye Cameras

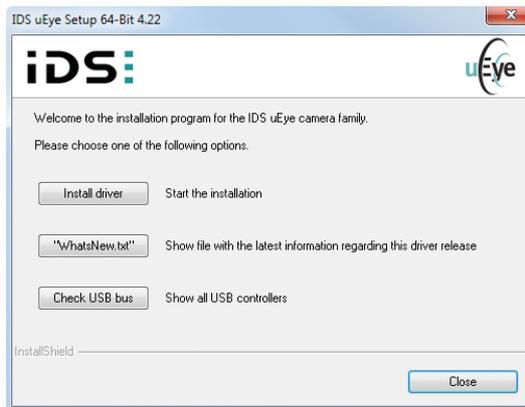
The following uEye® cameras are supported:

- USB: For spherical arrays: **UI122xLE-C**
- USB: For other arrays: **UI324xCP-C** or **UI124xLE-C**
- PoE/LAN: For sliced wheel arrays: **UI524xCP-C**

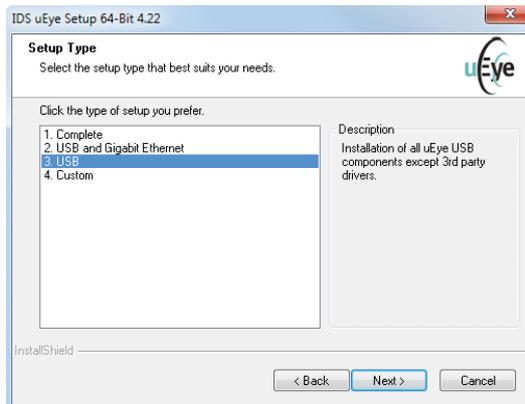
The cameras use the same drivers. However, there are different drivers for 32-bit and for 64-bit operating systems, and for different versions of PULSE:

- PULSE™ 18 and 19 require version 4.22
- PULSE 20 and 21 require version 4.70

- 1) Copy the zip file containing the drivers from the USB key supplied with the system, or from another device, to the target machine, or download the file from www.bksv.com.
- 2) Unzip the file.
- 3) Run the .exe file.
- 4) Select the setup language and click **Next >**.
- 5) Click **Install driver:**



- 6) Select **USB and Gigabit Ethernet** for a PoE/LAN camera
or
USB for a USB camera:



- 7) Click **Next >** and follow the on-screen instructions until the driver is installed.

USB Cameras

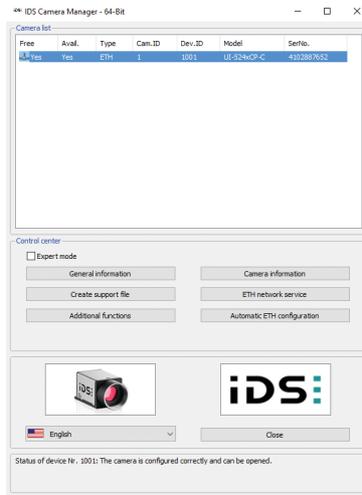
- 1) Plug in the camera and wait until the PC has recognized the device.
- 2) Start the PULSE template **Array Fixed Meas.plt** or start PULSE Reflex™ Array Analysis.
- 3) Once the application has started, select the camera from the drop-down list in the *Camera* window.

Note:

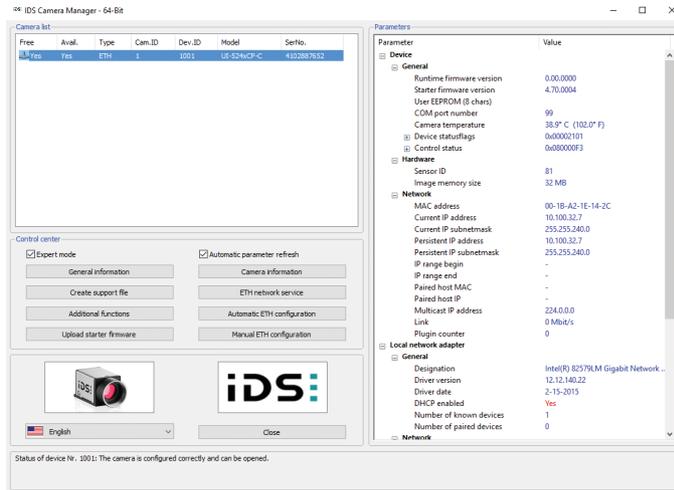
- The camera requires power over USB
- The camera may not work with USB-Ethernet-USB extension cables

PoE/LAN Camera

1) Open IDS Camera Manager.



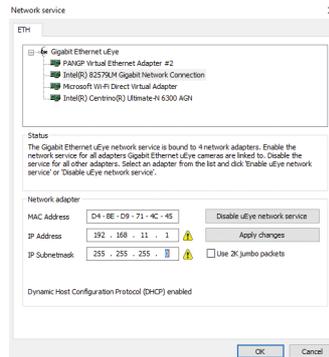
2) Check *Expert Mode*.



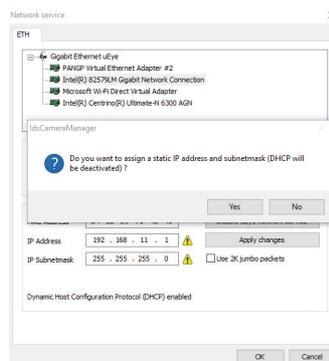
3) Open **ETH network service**.

4) Insert the following information into LAN Network:

IP Address: 192.168.11.1
IP Subnetmask: 255.255.255.0



5) Click **Apply changes** and confirm.



6) Click **Manual ETH Configuration**.

- 7) Click **Suggest** under *Adapter settings* and *Selected device ID* **xxxx**.

Manual ETH configuration

Adapter settings

IP range begin
192 . 168 . 11 . 1

IP range end
192 . 168 . 11 . 254

Selected device ID 1001

Persistent IP
192 . 168 . 11 . 2

Subnetmask
255 . 255 . 255 . 0

Multicast Configuration

Multicast IP
224 . 0 . 0 . 0

Status
The camera uses the persistent IP address.

- 8) Verify that the configuration looks something like this:

Adapter Settings:

IP range begin: 192.168.11.1

IP range end: 192.168.11.254

Selected device ID xxxx:

Persistent IP: 192.168.11.2

Subnetmask: 255.255.255.0

The camera should now be available via uEye Cockpit.

- 9) Start the PULSE template **Array Fixed Meas.plt** or start PULSE Reflex™ Array Analysis.

- 10) Once the application has started, select the camera from the drop-down list in the *Camera* window.

