

How to Install uEye Cameras

PULSE™ LabShop and BK Connect® array applications support the following uEye® cameras:

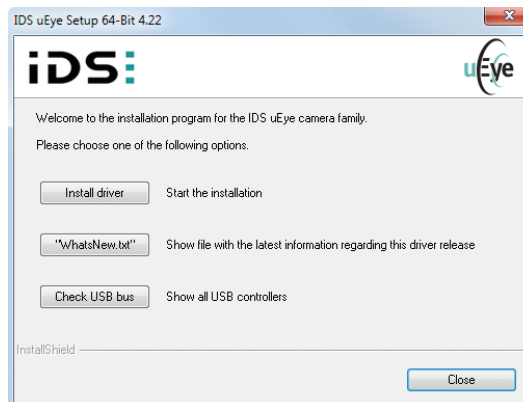
- For spherical arrays with USB connection: use **UI122xLE-C** or **UI124xLE-C**
- For other arrays with USB connection: use **UI324xCP-C** or **UI124xLE-C**
- For sliced wheel arrays with PoE or LAN connection: use **UI524xCP-C**

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 LabShop and BK Connect:

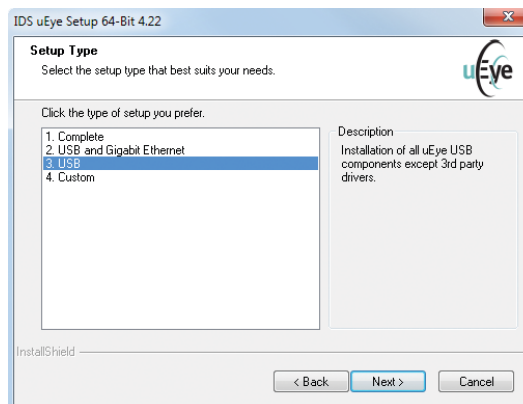
- 32-bit:
 - PULSE 18 and 19: use version **4.22**
 - PULSE 20 to PULSE 22: use version **4.70**
 - PULSE 23 to PULSE 27.0: use version **4.91.1**
 - From PULSE 27.1: use version **4.96.1**
- 64-bit:
 - BK Connect 2019.0 to BK Connect 2023.0: use version **4.91.1**
 - From BK Connect 2023.1: use version **4.96.1**

Installation

- 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 hbkworld.com.
- 2) Unzip the file.
- 3) Run the .exe file.
- 4) Select the setup language and click **Next >**.
- 5) Click **Install driver**.



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



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

USB Camera Setup

NOTE:

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

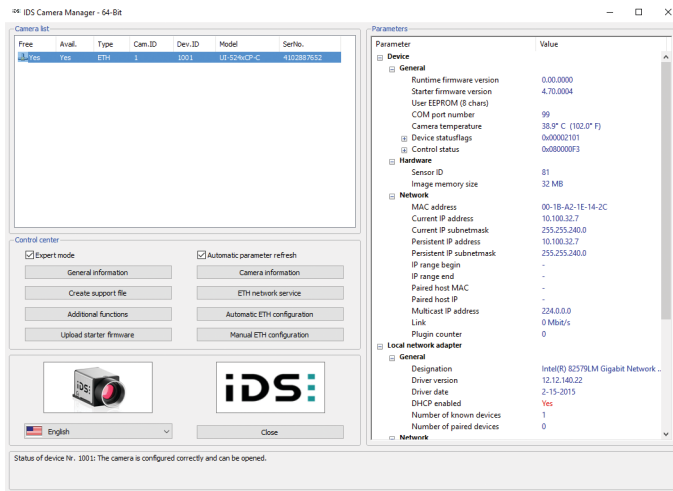
- 1) Plug in the camera and wait until the PC has recognized the device.
- 2) Start the PULSE LabShop template [Array Fixed Meas.plt](#) or start [BK Connect Array Analysis](#).
- 3) Once the application has started, select the camera from the drop-down list in the *Camera* window.

PoE/LAN Camera Setup

- 1) Open [IDS Camera Manager](#).



- 2) Check [Expert Mode](#).

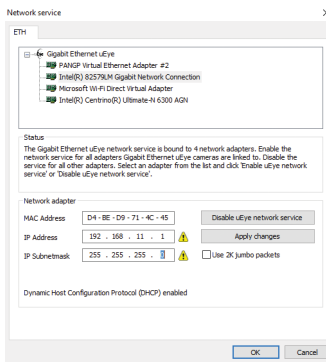


- 3) Open [ETH network service](#).

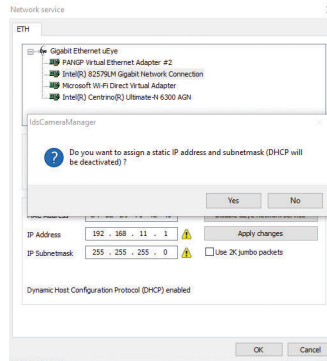
- 4) Enter the following static address for the network adapter:

IP Address: **192.168.11.1**

IP Subnetmask: **255.255.255.0**

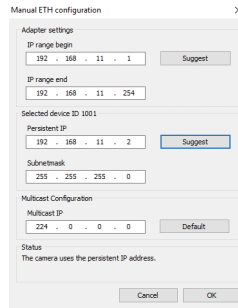


5) Click **Apply changes** and confirm.



6) Click **Manual ETH Configuration**.

7) Click **Suggest** for both the *Adapter settings* and the *Selected device ID*.



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:

Persistent IP: **192.168.11.2**

Subnetmask: **255.255.255.0**

The camera should now be available via uEye Cockpit.

9) Start the PULSE LabShop template **Array Fixed Meas.plt** or start **BK Connect Array Analysis**.

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

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