

USB 3 uEye ML Installation



Welcome

Read these short instructions and see how easy it is to setup your new IDS camera.

Get support

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System requirements

Hardware

PC with Intel i5 or better
 Free USB 3.0 port (Super Speed)

Operating system

Windows 7 SP1/8/8.1/10 (32/64-bit)
 Linux > Kernel 3.4 (32/64-bit)

Software

Install a software that supports the USB3 Vision protocol to operate the camera.

Ambient conditions

Device temperature during operation

0 °C ... +55 °C (+32 °F ... +131 °F)

Device temperature during storage

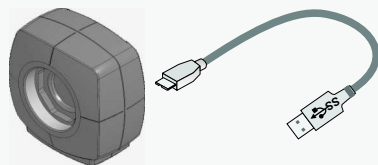
-20 °C ... +60 °C (-4 °F ... +140 °F)

Relative humidity

20 % ... 80% (non-condensing)

CAUTION! As the camera housing may get hot depending on the operating conditions there may be risk of burns. Provide sufficient heat dissipation so that the housing temperature does not exceed 55 °C (131 °F).

Connect the camera



Connect the camera to an USB 3.0 cable (not included).

LED flashes green 3x/2x: USB 3.0/2.0 port detected.
 LED constant green: Camera is ready.

USB3 Vision drivers

To ensure full compliance to the USB3 Vision standard, the camera does not support functions which are not covered by the standard.

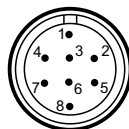
Note on cable lengths

Cables with the following length are available from IDS:

- Passive up to 8 m
- Active up to 15 m
- Fiber 100 m

Pin assignment of 8-pin connector (Hirose HR 25)

- 1 Ground (GND)
- 2 Flash output with optocoupler (-)
- 3 General purpose I/O (GPIO) 1
- 4 Trigger input with optocoupler (-)
- 5 Flash output with optocoupler (+)
- 6 General purpose I/O (GPIO) 2
- 7 Trigger input with optocoupler (+)
- 8 Power supply, 5 V, 100 mA



Pins – View on camera

Further information

More information about the USB3 Vision standard and the various camera models and future firmware updates can be found on our website at:

www.ids-imaging.com/u3v

Intended use

IDS industrial cameras are to be used to capture images for visualization and image processing tasks. The devices are designed for use in industrial environments.

Safety instructions

Read carefully the information in the camera manual* before installing and using the product. The producer is not responsible for damages and injury, which can occur due to false handling of the product and ignoring the safety instructions. All warranty will be spoiled in this case.

- The product is not authorized for use in security relevant applications. If it is used in security relevant applications, the customer is responsible for the necessary approvals.
- If the product is modified or changed CE, FCC, and/or UL approval becomes invalid. In this case the customer is responsible for ensuring product conformity.
- This product is not a toy and should be kept and operated out of reach of children.

The product must be connected, taken into operation and maintained only by appropriately qualified personnel.

- The camera must be installed in such way that the specifications are met which are described in the camera manual*.
- Only operate the product under ambient conditions described in the camera manual* for each product. Carefully observe the IP protection class for your camera.
- Do not subject this product to direct sunlight, moisture or shock.
- Lay cables in such way that no one can step on or they do not represent a trip hazard.
- Keep packing materials like films away from children. In case of abuse there is a risk of suffocation.

* <http://en.ids-imaging.com/manuals-ueye.html>