

GigE uEye® CP Rev. 2 Installation



System requirements

Hardware

PC with Intel i3 or better
Free Ethernet port (1000 Mbps)

Operating system

Windows 7 SP1/8/8.1/10 (32-/64-bit)
Linux > Kernel 2.6 (32-/64-bit)

Software

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

IDS Vision Suite

You can download the IDS Vision Suite under:
www.ids-visionsetup.com

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).

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/gvcameras>

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Further Information

Detailed information for each camera model can be found under www.ids-imaging.de.

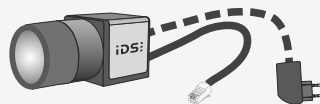
Get support

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Connect the camera

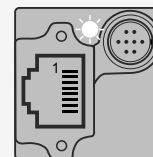


Connect the camera to an Ethernet cable and power supply (PoE or external - not included).

NOTICE! GigE uEye cameras with PoE can be supplied with voltage both from an external source and via Power-over-Ethernet (PoE). The camera should not be supplied through both voltage sources at once as this can irreparably damage the camera.

Status LED of the camera

- LED blinks quickly green: Camera is booting
- LED blinks slowly green: Camera is ready
- LED constant green: Camera is open
- LED constant red: No firmware loaded



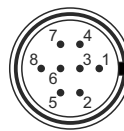
Important information

WARNING! Non-approved power supplies for camera operation may cause painful or dangerous electric shock. Serious injury or death may occur. Use a camera power supply that meets the safety extra-low voltage (SELV) and limited power source (LPS) requirements.

In order to ensure electrical safety, we recommend using a shielded network cable or connecting the camera housing to ground so that the camera housing is connected via the proper installation to ground.

Pin assignment of 8-pin connector (Hirose HR25)

- 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 Input power supply (V_{cc}) 12-24 V



Pins – View on camera

Before starting up, check if the electrical wiring corresponds to the specifications in the camera manual*.

Copyright

mbed TLS

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The camera firmware uses the **mbed TLS** library under the Apache license, version 2.0 (<http://www.apache.org/licenses>).