

USB 3 uEye CP/CP Rev. 2 pin assignment I/O connector



Attention: The General Purpose IO are not potential-free and have no protective circuit. Faulty wiring (overvoltage, undervoltage or inverting the wiring when used as serial interface) can result in a damage in the electronics.

During operation as serial interface only LVCMOS levels are allowed to the connector pins. To get a serial RS-232 compliant interface, an external level shifter (LVCMOS/RS-232) is required.

Applying RS-232 levels directly to the pins as well as mixing up the signals RxD and TxD can destroy the camera electronics!

8-pin Hirose connector (HR25-7TR-8PA(73))

Pin	Description
1	Ground (GND)
2	Flash output , opto-decoupled (-)
3	General purpose I/O (GPIO) 1, 3.3 V LVCMOS
4	Trigger input , opto-decoupled (-)
5	Flash output , opto-decoupled (+)
6	General purpose I/O (GPIO) 2, 3.3 V LVCMOS
7	Trigger input , opto-decoupled (+)
8	Output supply voltage, 5 V (100 mA)



Fig. 467: USB 3 uEye CP, Hirose connector male, camera rear view



You can check the color assignment of the cable on the [Website](#) directly at the specific accessory item.

Power supply

The camera is supplied with power via the USB 3.0 interface. For information on the camera's power consumption, please refer to the [Camera and sensor data](#) section.