VT-EX Camera

External Hardware Trigger Wiring Definition

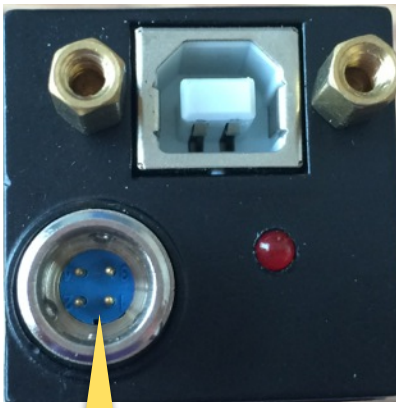
1、 USB 2.0 (Without Frame Buffer) Camera



1 Black The same Ground Wire as USB.
2 Red 10K Resistance up to +3.3V， Low Level Trigger.

Input Interface internal up to 3.3V, Low Level Trigger, The same Ground Wire as USB.
The Voltage should not be more than 3.3V during the operating.

2、 USB 2.0 (With Frame Buffer) Camera

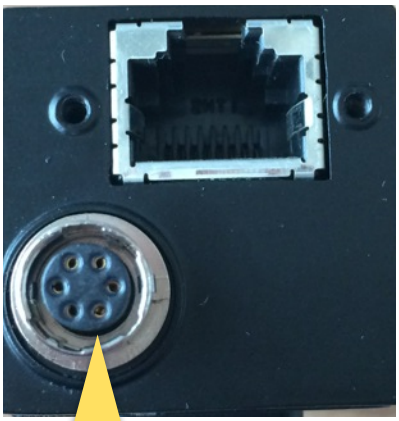


1、Green Flashlight
2、White External Trigger
3、Black Input Ground Wire
4、Red keeping, do not need connect.

Flashlight output as shown in the figure, it is the open-drain structure, can be directly connected most of strobe lighting.

Input Pin is drop-down structure, input singal should be 3.3V. For the TTL level, input level should be not more than 3.3V.

3、 Gige Camera



1 Yellow（Brown） Optical Coupler Isolation Output Cathode
2 Black Power Ground Input End
3 Red Power 12V Input Anode
4 Blue Optical Coupler Isolation Input Anode
5 Green Optical Coupler Isolation Input Cathode
6 White Optical Coupler Isolation Output Anode
Note: There is another black heavy wire is PGND which connects the product shell. Please connect it according to your practical situation.

Interface Instruction:
Optical Coupler Input Signal voltage range is between 5 to 24V and electric current is between 5-15mA.

Note: The voltage range referred above is the pot input voltage range, if the signal is long-distance transmission, the user should consider pressure drop depletion of the circuit. It means that the input voltage should be above 5V but not equal 5V during a long-distance transmission. Optical coupler input is connected reverse connection diode for protecting, during the connection, please pay attention to the negative and positive of optical coupler input port.

The maximum drive current is 50mA at optical coupler output port, the maximum saturability and voltage drop is less than 0.8V. Optical coupler output is also connected the reverse connection diode for protecting, please pay attention to the polarity during connection.

Input & Output Max Operating Pressure is 30V, camera may be damaged more than it.