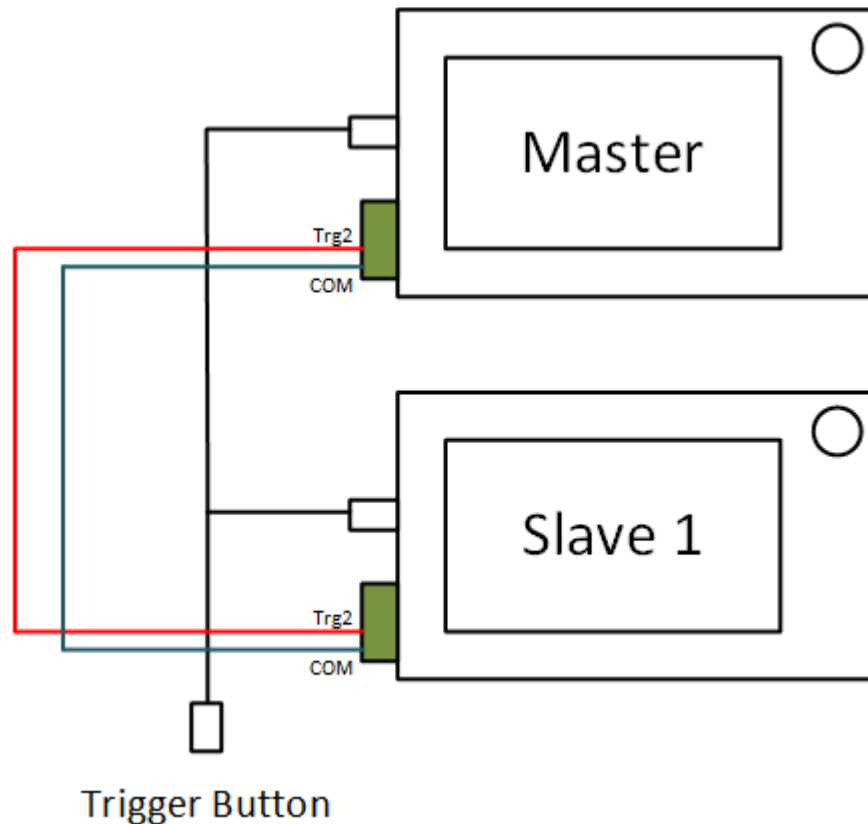


Find information below on how to synchronize the two cameras. You'll be setting up one camera as a master that will output frame synchronization pulses, and another as a slave that will use these pulses to control its shutter.

Please connect the cameras together as shown in the following diagram:



Parts list:

Hook up wire (22 to 24 AWG) (long enough to connect between master and slave camera)

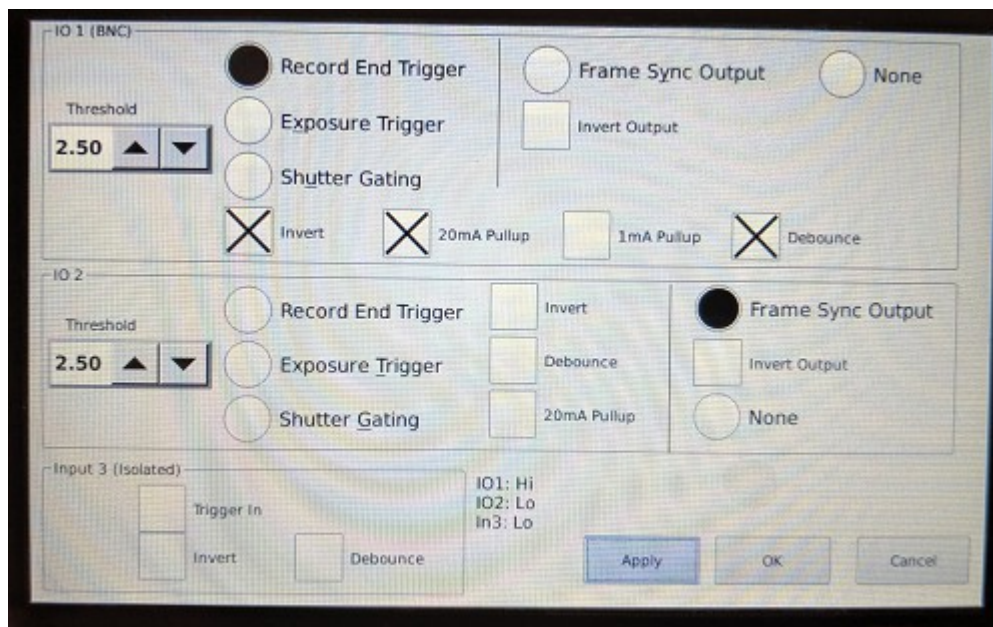
Green terminal blocks (Phoenix Contact part number 1881383, available [here](#))

BNC Tee

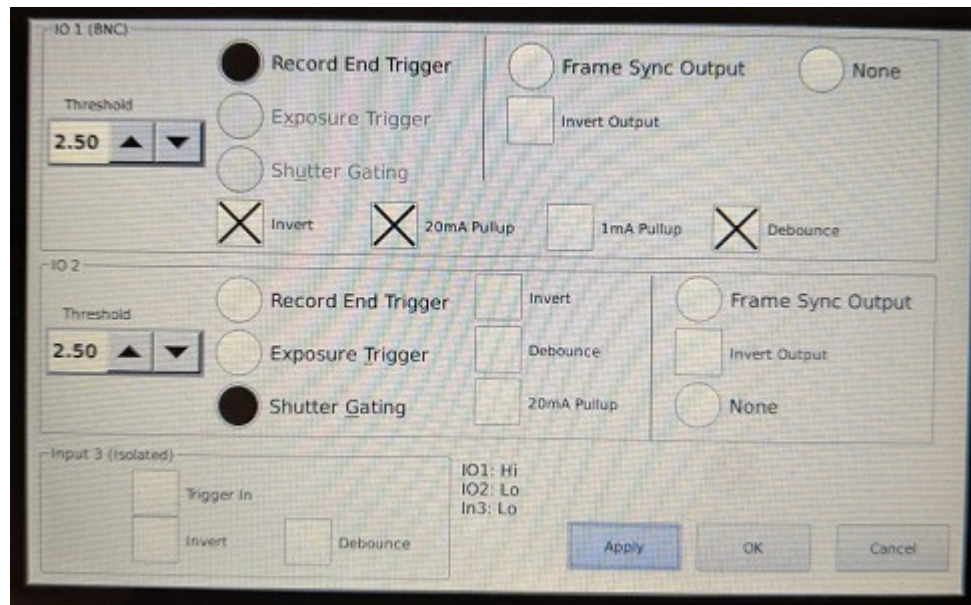
BNC male to male cable (long enough to connect between master and slave camera)

Instructions

- Using the hook up wire, make connections between the two cameras, connecting the two TRG2 connections together, and the two COM connections together (doesn't matter which COM, there are 3 on the connector and any will work)
- Connect the trigger cable, BNC cable and Tee to the BNC connections on both cameras
- Set up the **master** camera's trigger settings as follows, in the Trigger/IO windows



- Set up the **slave** camera's trigger settings as follows:



Operation:

- Configure both cameras to the same resolution and frame rate.
- Make sure that the record length is set to the same value for both cameras in Record Settings -> Record Modes
- With both cameras connected as above, the master camera will control the shutter on the slave camera, no adjustment of the shutter control on the slave is needed.
- You'll need to start recording on both cameras by pressing the shutter button on each, the timing doesn't matter between them
- When the trigger is pressed, both cameras will stop at the same time.

Notes:

- The slave camera needs the signals from the master camera for exposure to work. If the master camera is off or cables disconnected, no image will be seen unless you turn off the shutter gating setting for IO2

Please let me know if you need any more information or need further assistance.