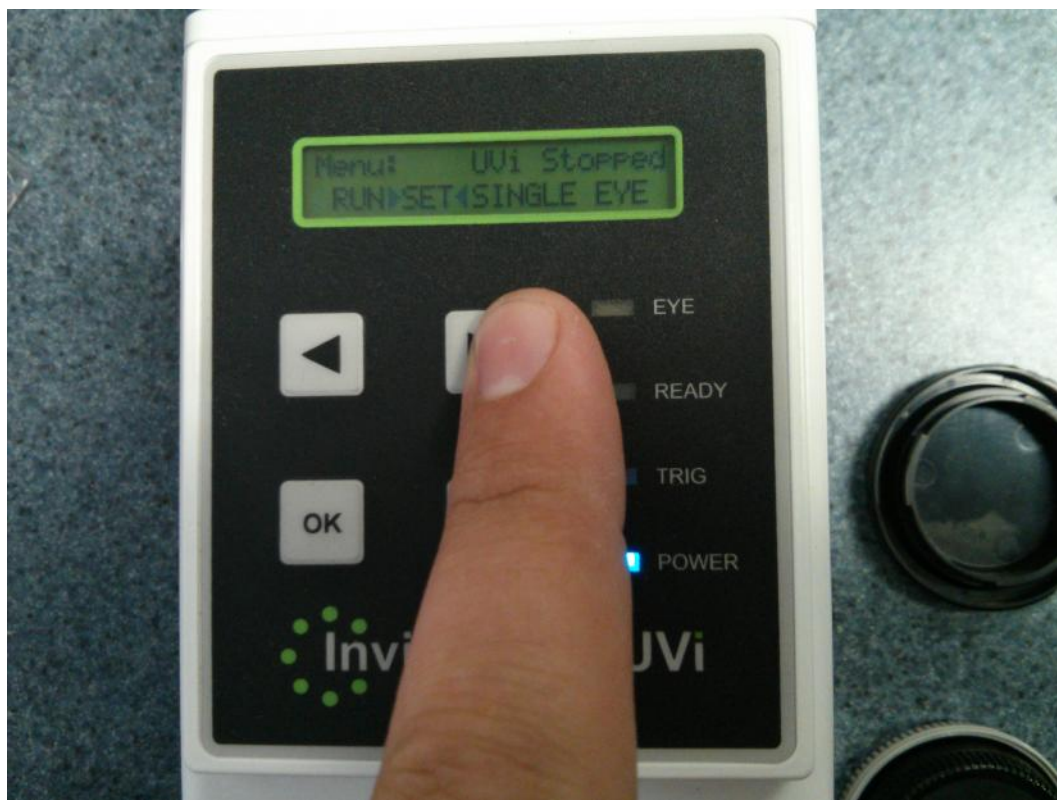
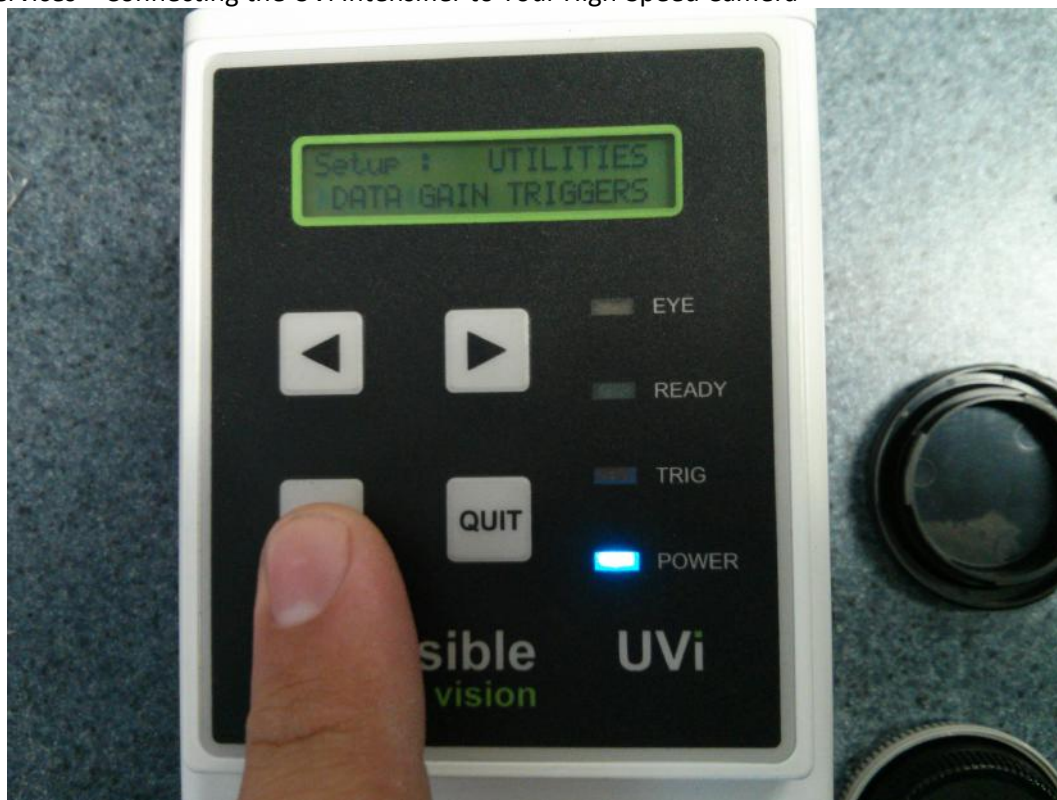


Power on the UVi intensifier and press 'OK'. The Photron camera General Out 1 (ON CAM POS) should be attached to the LOGIC input on the rear of the intensifier (Lower right rear BNC).



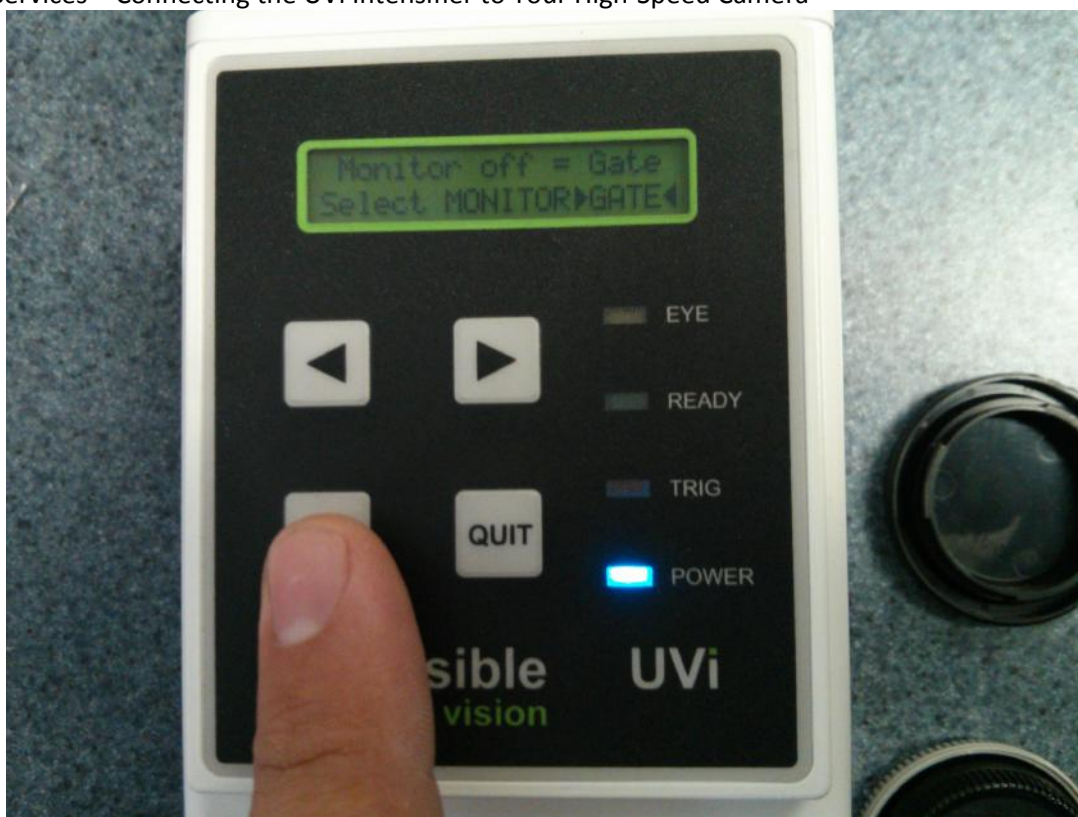
Go to 'SET' and press 'OK'



Go to 'DATA' and press 'OK'



Go to 'SHUTTERING' and press 'OK'



Go to 'GATE' and press 'OK'



Enter a 10.00μs delay and press 'OK'



Enter an exposure time. For 10,000fps 10 μ s would be a good starting point. The phosphorus on the rear of the intensifier tube takes time to decay. If you do not allow the image to decay, ghosting artifacts may appear.



Here we enter 100 μ s as we are using the camera at 1,000fps. The camera exposure should always be 1/fps. Press 'OK'.



Unless you are double exposing images, IFT (inter-frame time) should be left at 0μs. Te indicates the total sequence time. This should be less than the time it takes for the high-speed imager to acquire a frame. Press 'OK'



Unit should indicate 'SEQUENCE END?'. Press 'OK'.



Press the 'QUIT' button.



Press the 'QUIT' button.



Scroll to 'TRIGGERS'



Press 'OK'



Select 'TTL' and press 'OK'



The Photron camera should be set for 'ON CAM POS'. Select '-ve' and press 'OK'



Select 'GAIN' and press 'OK'



Set your desired gain level and press 'OK' then 'QUIT'



Select 'RUN' when you are ready to use the intensifier.



If 'GAIN' is still 0%, use the left and right arrows to adjust. The 'READY' LED should be on and 'TRIG' should be blinking while receiving a SYNC pulse from the camera. Be sure to press 'OK' to exit the sequence. This will prolong the life of the intensifier tube.