Figure 1: Arduino schematics and soldering
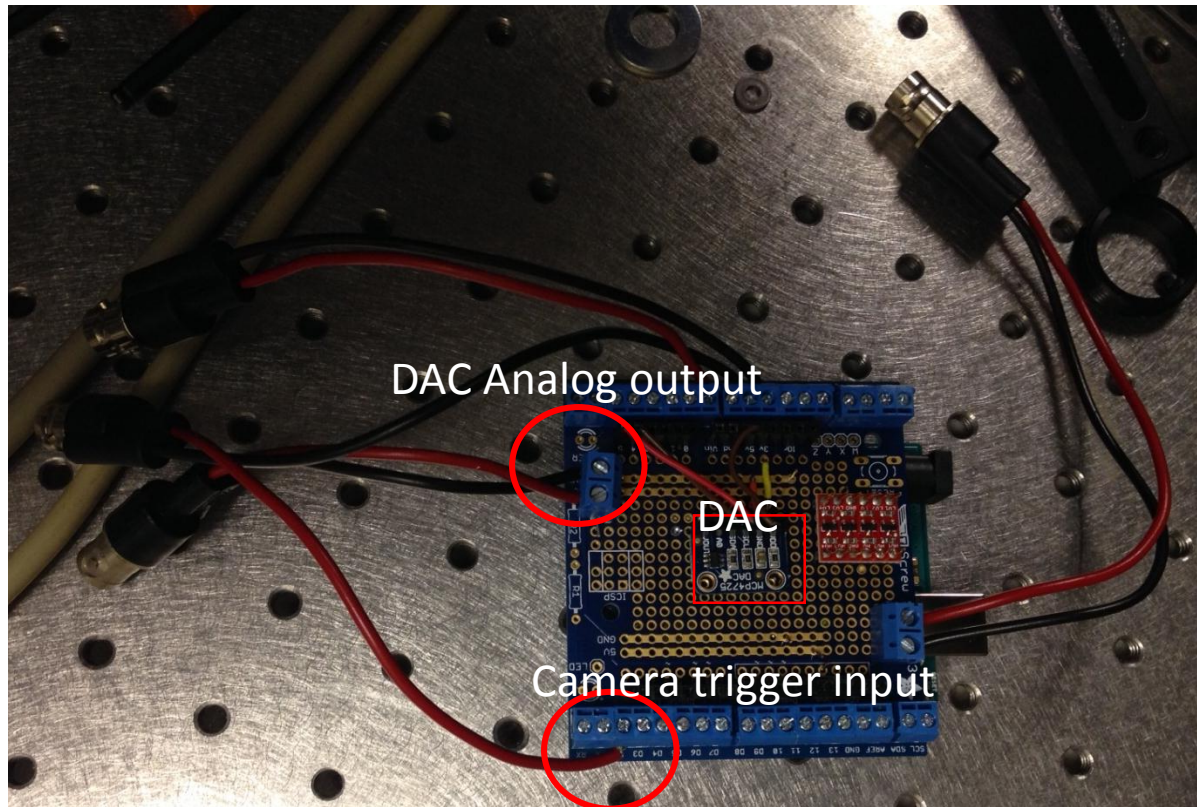

DAC Analog output

DAC

Camera trigger input

Figure 2: adding Arduino to uManager

"Peripherals" should have at least
Arduino-DAC1 selected

Figure 3: Setting proper groups/presets
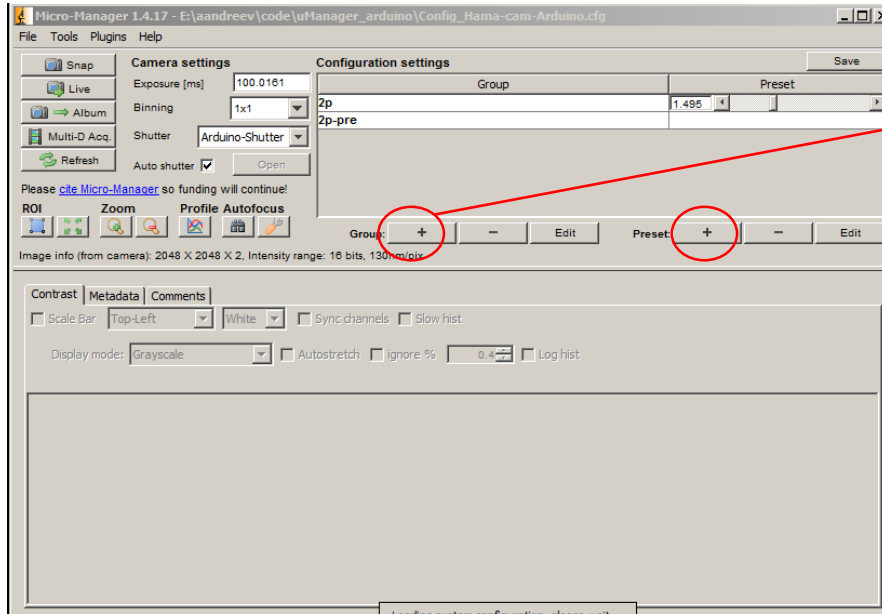
Figure 4: Setting Hamamatsu camera properties

HamamatsuHam_DCAM-OUTPUT TRIGGER KIND[0]	EXPOSURE
HamamatsuHam_DCAM-OUTPUT TRIGGER KIND[1]	EXPOSURE
HamamatsuHam_DCAM-OUTPUT TRIGGER KIND[2]	EXPOSURE
HamamatsuHam_DCAM-OUTPUT TRIGGER PERIOD[0]	0.001
HamamatsuHam_DCAM-OUTPUT TRIGGER PERIOD[1]	0.001
HamamatsuHam_DCAM-OUTPUT TRIGGER PERIOD[2]	0.001
HamamatsuHam_DCAM-OUTPUT TRIGGER POLARITY[0]	POSITIVE
HamamatsuHam_DCAM-OUTPUT TRIGGER POLARITY[1]	POSITIVE
HamamatsuHam_DCAM-OUTPUT TRIGGER POLARITY[2]	POSITIVE

Trigger used for masking Arduino analog output should be set Exposure/Positive; other don't matter for this device

Figure 5: Connecting Arduino to camera and Pockels cells

Camera

Pockels cell

D2

DAC

DAC Analog output

DAC

Camera trigger input
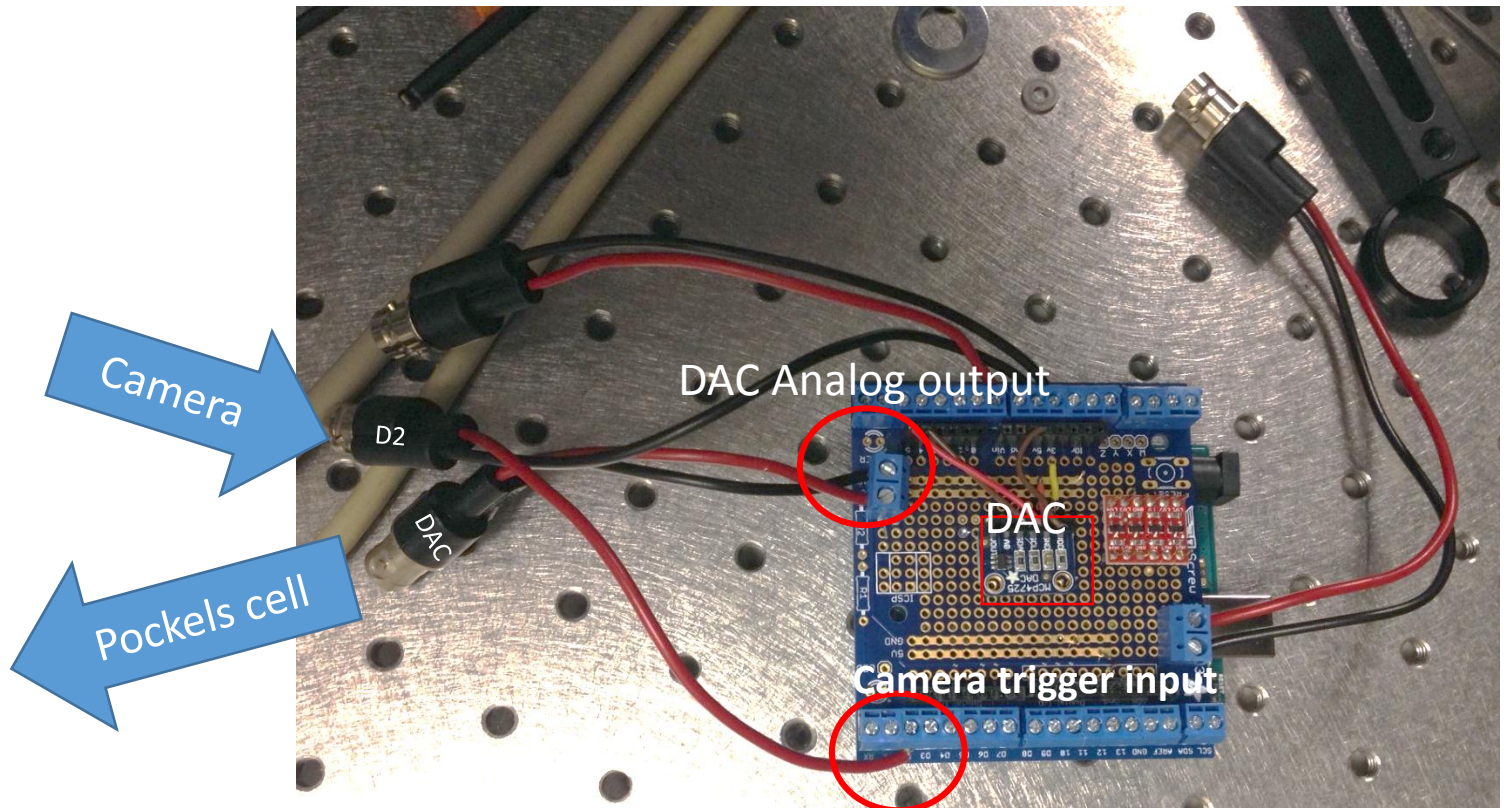
BNC patch-panel preferred, e.g. from L-Com

1.75" Panel, 16 BNC Adapters Insulated (50 Ohm)
http://www.l-com.com/patch-panel-server-rack-175-panel-16-bnc-adapters-insulated#