**Front Camera (Super Fast) Configuration Settings**

Configuration settings for both Streampix and MATLAB Image Acquisition

* We are switching software to Norpix/StreamPix Lite – MATLAB consistently crashes after ~20 minutes
* In MATLAB and Streampix output is LINE 3 (not Line 0). This is Line Selector in the Streampix config system seen itemized below.

**Streampix Vimba Settings**

* **ROI**
  + Width: 600
  + Height: 800
  + \*uncheck Broadcast and Center ROI
* **Adjustments** – depends on the lighting, but these settings should give you ~360 FPS
  + Exposure: ~.1
  + Gain: ~7.5
  + Frame Rate: ~360
  + Gamma: ~.9
* **Settings** 
  + Image Format: Mono 8
  + Trigger Mode: Off
  + Trigger Source: **Line 3 (‘Software’ in MATLAB)**
  + Trigger Activation: Rising Edge
  + Acquisition Frame Rate Mode: Basic **(‘Off’ in MATLAB)**
  + Trigger Selector: Frame Start
  + Line Inverter: False
  + **Line Selector: Line 3**
  + Line Source: Exposure Active
  + Meta Data Mode: Off
  + DSP Subregion: Off

**MATLAB Image Acquisition Settings**

* Gain = 10
* Gamma = 1
* Exposure: this may depend – 2.5ms
* Continuous
* Output on Active Frame or Active Exposure.







