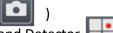
- **Mount Cantilever**
- Laser Alignment (Knobs and Camera



- Detector & Mirror Alignment (Knobs and Detector
 - SUM ~ 2.0 V
- Chose Measurement Mode: AC / Contact / QI / Force Modulation
- Cantilever Calibration → Choose Cantilever
- AC Feedback Mode Wizard
 - Usually Point = 70-80% of Drive Amplitude
 - Drive Frequency: choose slightly left of the maximum



- Navigate to Sample and Approach next to surface
 - Engage/disengage X/Y stage to navigate OR approach



- Approach and Measure
 - Adjust GAIN in a way that trace & retrace superpose (oscilloscope)
 - the higher the sample or velocity of cantilever line rate (line rate/x-y-dimension) the higher the gain has to be.

