

### **LCC CLI commands required for BoxCaptain**

1. Command to capture data through LCC command
  - a. For AB mode
  - b. BC mode
  - c. C mode -- includes C6 as part of capture
  - d. Callback after : capture is done and the raw image is stored on the device
2. Switch to next camera or a specified camera
3. Focus one module and callback when it's done
4. Focus all modules and callback when it's done
  - a. This code does not use disparity based focusing. All modules are individually focused using contrast based refinement
5. Move mirror to a specified hall code
6. Return current mirror positions for all modules
7. Return extreme mirror positions for all modules
8. Set exposure for individual module
9. Move lens towards infinity hall code
10. Fire flash -- independent control for the 2 LEDs.
11. Switch on flash in the "torch mode"
  - a. Independent control for the 2 LEDs
  - b. Capture raw data with the flashes switched on
12. Read ToF sensor reading
  - a. We will also need the capability to enable the "calibrate mode" of these sensors  
--- Dikpal is working on the details for this.

Some other things that we need working on P2:

13. MTP download enabled for P2
14. Can I query device ID using one of the LCC commands ?

We need the following information from P2 :

15. Bit mask for each module