Hello! Welcome to my exit document. This is going to contain any information about goals or what needs work and where things are heading.

First thing is first. The ESP301 box itself.

* The power switch is on the back.
* Errors show up in the top left corner of the screen as a blinking “E”
* For some reason on startup there is an error. I don’t know what is causing it. It has not caused a problem yet though.
  + It is best to dismiss this error before running any labview programs otherwise the first time you run one it will tell you the error and not work.
  + You can dismiss errors using the front panel of the esp301.  
    press: Menu/Enter  
    press: down until you see “Get Errors”  
    make sure the black diamond on the left is next to “Get Errors”  
    press: Menu/Enter  
    it will tell you “1 Program Not Found” I have no idea why this is happening  
    press: “Esc/Delete” and it will be gone.
* The axes are set up such that Axis1=x; Axis2=y; and Axis3=z. I think this is the default setting.
* When you start the ESP301 up you will generally need to turn the axes all on
  + If you run the startup LabView program (which you probably should) it will do this for you as well as put the axis in the center of their motion range.
* Be careful going to the full extent of the z axis as it may hit the lens which could scratch it.
* For the most part you want to use labview to run any commands on the esp301
  + If you want to pass commands directly to the ESP301 you can use the control software that came with the box
    - go to the FavellaResearch folder
    - inside the ESP301 folder you will see a shortcut titled “ESP301 Standalone Program”.
    - Click that, press discover and select COM3.
    - Go to the Diagnostics tab. You can use the command line to send commands to the ESP301
    - DO NOT turn off the ESP301 while this program is running. It freezes some stuff up and is annoying.
    - A list and description of commands are in the ESP301 user manual
* Any other questions can most of the time be answered by the user manual.

Next: Startup and Setup

* If the ESP301 hasn’t been used lately or the camera and the lens have been bumped around you have to do this. It’s a bit tedious but once you do it you don’t need to do much else.