CALIBRATION AND SCANNING FOR NEWBIES

Build a calibration corner like this image
and then you must run UofKScannerLT.exe and make some settings for the camera and projector.
For raw scans off, for less noise on.
These are some settings that work for me. Use them as a start.
Also you must change some settings for the web-cam.

Use them as a start. It depends on the lighting conditions and projectors light strength. All of these settings works fine with open lights on my office or ambient light through a window.
As for the position of the hardware I have the projector below the cam. (works and above) with little triangulation angle (you can experiment)
Press the preview button and place the cross at the center of your cal-grid (vertical axis) and frame your camera to the calibration grid (green rectangle).

Then exit preview mode and press calibrate and yes.
Wait for the ending process and then you must use the calibrate.exe (opens automatic) and make some actions (see tutorials, it's easy).
Then go to setup-->World coords -->Press open and then save&exit. You must have the smallest deviation you can.

You can improve calibration by changing light conditions or move slightly the cam (forward, backward etc.) Don't use zoom and auto-focus.

Do a test scan the corner grid(by pressing scan) and if you get a mesh without too much distortion you are ready to begin scanning. Remove the corner and scan inside the volume of calibration.

The calibration seems difficult but it is a 2 minute process if you get hang of it.

Thanks for reading.

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