

LDSO installations

I followed the instructions in the READ ME file, in the following github repo:

<https://github.com/tum-vision/LDSO>

However, I did **NOT** run the `./install_dependencies.sh` command since it has libraries that I already installed when I installed DSO and ROS. Therefore, to avoid any complications I ran the command:

```
Sudo apt-get install libgoogle-glog-dev libgtest-dev
```

Which are the only 2 libraries that I didn't install before.

After that I cloned the repo into Desktop/LDSO folder and followed the rest instructions and performed the command:

****NOTICE: there was a mistake in the `run_dso_tum_mono.cc` file, that you can find in the Desktop/LDSO/LDSO/bin folder. The change is in line 28:**

Instead of `vocPath = "./vocab/orbvoc.dbow3"`

Changed to `vocPath = "../vocab/orbvoc.dbow3"`

So, I recommend changing this before executing the `./make_project.sh` in order to save time.

`./make_project.sh` which compiled the project successfully.

To run and test the LDSO code, I used `sequence_01` which I downloaded to test DSO before. And finally, I used the following command (While I'm in Desktop/LDSO/LDSO/bin):

```
./run_dso_tum_mono preset = 0 files=<path to images.zip>  
vignette=<path to vignette.png> calib=<path to camera.txt>  
gamma=<path to pcalib.txt>
```