

Video to Github Guide

Youtube video:

<https://www.youtube.com/watch?v= Tbu0yLPbVA>

Part 1: record video calibration (00:00) code that is used can be found at <https://github.com/tau-adl/DSO/tree/master/IDS>

Part 2: Calibrate Camera and get intrinsic parameters 1:23

Guide for Kalibr installation can be found here:

https://github.com/tau-adl/DSO/tree/master/Camera%20Calibration/intrinsic_parameters/Kalibr

And guide for installing bagfromimages can be found here:

https://github.com/tau-adl/DSO/blob/master/DSO%20installation%20%2B%20DSO_ROS%20guide.pdf

Part 3: just creating a text file (5:23)

Part 4: same code from part 1 (7:08)

Part 5: Response Calibration (pcalib.txt file) 8:33

Guide for installation and usage can be found in here:

[https://github.com/tau-adl/DSO/blob/master/Camera%20Calibration/Guide%20for%20DSO%20Camera%20Calibration Part 1.pdf](https://github.com/tau-adl/DSO/blob/master/Camera%20Calibration/Guide%20for%20DSO%20Camera%20Calibration%20Part%201.pdf)

and here

[https://github.com/tau-adl/DSO/blob/master/Camera%20Calibration/Guide%20for%20DSO%20Camera%20Calibration Part 2.pdf](https://github.com/tau-adl/DSO/blob/master/Camera%20Calibration/Guide%20for%20DSO%20Camera%20Calibration%20Part%202.pdf)

Part 6: Vignette Calibration (vignette.png) 11:52

Same links as part 5.

Part 7: Run DSO on pre recorded video 13:54

DSO installation guides can be found here:

[https://github.com/tau-adl/DSO/blob/master/DSO%20installation%20%2B%20DSO ROS%20guide.pdf](https://github.com/tau-adl/DSO/blob/master/DSO%20installation%20%2B%20DSO%20ROS%20guide.pdf)

Part 8 and 9 (14:23 & 15:02) can be found in same link as part 7.

Part 10: RUN LDSO Live 15:37

To be added soon