1. Your writeup looks good. Please provide more details (spreadsheet or excel, images etc) which shows the detailed analysis of different detector/descriptor combinations.
2. As mentioned above, please provide more details (spreadsheet or excel, images etc) which shows the detailed analysis of different detector/descriptor combinations.

This table compares the LiDAR TTC with camera TTC. I assume the LiDAR TTC is the ground truth to evaluate the Camera TTC. This shows the Camera (FAST + BRIEF) is the fastest and has the smallest error to LiDAR results.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **LiDAR TTC** |  | Camera TTC | | | |
| BRISK + BRIEF | BRISK + BRISK | Fast+ BRIEF | FAST + BRISK | SIFT + BRISK |
| 1 | 13.0268 | 17.7093 | 19.2757 | 11.2348 | 11.8483 | 15.6098 |
| 2 | 14.5028 | 20.6341 | 33.4816 | 10.7367 | 11.4066 | 15.7876 |
| 3 | 31.3286 | 14.7054 | 11.8678 | 11.4774 | 11.3522 | 15.3014 |
| 4 | 13.0268 | 19.1127 | 17.03 | 12.6321 | 12.6321 | 19.2912 |
| 5 | 14.5028 | 25.6618 | 24.9866 | 47.1166 | 52.5313 | 16.4709 |
| 6 | 31.3286 | 25.4802 | 23.5474 | 76.0657 | 37.5002 | 10.6541 |
| 7 | 16.9831 | 20.2056 | 19.6269 | 12.7733 | 12.1527 | 14.6185 |
| 8 | 11.7092 | 26.4039 | 18.6288 | 12.2129 | 11.154 | 14.9744 |
| 9 | 10.754 | 17.3749 | 13.2657 | 12.3731 | -inf | 13.1581 |
| 10 | 26.0808 | 11.7825 | 11.6751 | 11.1898 | 10.6602 | 10.6611 |
| 11 | 24.0611 | 15.6759 | 14.8498 | 18.063 | 44.447 | 12.3004 |
| 12 | 14.4214 | 14.6918 | 14.2992 | 11.0733 | 10.6809 | 14.1711 |
| 13 | 16.8479 | 11.8848 | 11.9722 | 11.3953 | 11.1016 | 10.9143 |
| 14 | 13.131 | 19.3132 | 12.504 | 13.3399 | 11.6206 | 10.9937 |
| 15 | 11.1742 | 15.27 | 14.5176 | 10.677 | 10.087 | 11.1358 |
| 16 | 10.1557 | 17.5661 | 12.1298 | 12.6669 | 12.1873 | 11.8931 |
| 17 | 11.4846 | 13.9642 | 9.57797 | 10.5507 | 9.32992 | 9.25352 |
| 18 | 8.04835 | 12.7297 | 16.3332 | 12.1711 | 12.6562 | 10.0645 |
| **Std** | **6.78169086** | **4.57** | **5.95** | **16.82229** | **13.44883** | **2.722704** |
| **Average** | **15.55905476** | **17.78** | **16.64** | **17.65276** | **17.25577** | **13.18075** |
| **Average Error to LiDAR** |  | **6.87** | **8.19** | **5.46** | **7.87** | **16.25** |
| **Total Processing Time** |  | **76s** | **52 s** | **35s** | **41s** | **44s** |