**Table 1 - Estimation of time costs**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | NP | NMO | NI | Precision | RecallO1 | DesT, sec | MatchT, sec | InlierT, sec | AvgDesT, ms | AvgMatchT, ms | AvgInlierT, ms | TotalNormT, sec | ER winner | ER -1 and 0 |
| SIFT | 1994,465 | 478,81 | 416,25 | 0,866 | 0,223 | 0,062311 | 0,061012 | 0,002841 | 0,031215 | 0,12696 | 0,006826 | 0,188475 | 68 | 2 |
| SURF128 | 2195,616 | 264,586 | 210,788 | 0,794 | 0,103 | 0,082377 | 0,049551 | 0,002421 | 0,037482 | 0,186566 | 0,011488 | 0,216726 | 48 | 6 |
| SURF64 | 2214,025 | 340,76 | 264,42 | 0,773 | 0,126 | 0,070119 | 0,027988 | 0,002302 | 0,031663 | 0,081799 | 0,008704 | 0,170528 | 44 | 4 |
| ORB | 8723,315 | 1188,57 | 1006,32 | 0,845 | 0,12 | 0,021726 | 0,322265 | 0,002535 | 0,002491 | 0,270704 | 0,002519 | 0,368251 | 43 | 3 |
| ORB1000 | 939,47 | 159,16 | 128,76 | 0,807 | 0,145 | 0,010234 | 0,004061 | 0,001845 | 0,0109 | 0,025456 | 0,014327 | 0,026374 | 25 | 9 |
| BRISK | 3391,601 | 437,232 | 382,04 | 0,873 | 0,119 | 0,051966 | 0,056169 | 0,00165 | 0,01532 | 0,128287 | 0,004319 | 0,161751 | 47 | 6 |
| KAZE | 762,634 | 151,075 | 124,57 | 0,822 | 0,17 | 0,141722 | 0,007435 | 0,001211 | 0,18555 | 0,049067 | 0,009723 | 0,292091 | 33 | 12 |
| AKAZE | 722,84 | 125,553 | 107,777 | 0,855 | 0,154 | 0,019595 | 0,003921 | 0,001594 | 0,027083 | 0,03112 | 0,01479 | 0,044704 | 25 | 12 |

**Table 2 - Estimation of time costs per 1-8 scale**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | NP | NMO | NI | Precision | RecallO1 | DesT, sec | MatchT, sec | InlierT, sec | AvgDesT, ms | AvgMatchT, ms | AvgInlierT, ms | TotalNormT, sec | ER winner | ER -1 and 0 |
| max-min | 8000,5 | 1063 | 898,5 | 0,099741 | 0,119986 | 0,131488 | 0,318344 | 0,00163 | 0,277892 | 0,245248 | 0,012272 | 0,341877 | 43 | 10 |
| SIFT | 2 | 3 | 3 | 8 | 8 | 5 | 7 | 1 | 7 | 5 | 6 | 5 | 8 | 8 |
| SURF128 | 2 | 2 | 1 | 2 | 1 | 4 | 7 | 3 | 7 | 3 | 3 | 4 | 5 | 5 |
| SURF64 | 2 | 2 | 2 | 1 | 2 | 5 | 8 | 3 | 7 | 7 | 4 | 5 | 4 | 7 |
| ORB | 8 | 8 | 8 | 6 | 2 | 8 | 1 | 2 | 8 | 1 | 8 | 1 | 4 | 8 |
| ORB1000 | 1 | 1 | 1 | 3 | 3 | 8 | 8 | 5 | 8 | 8 | 1 | 8 | 1 | 3 |
| BRISK | 3 | 3 | 3 | 8 | 2 | 6 | 7 | 6 | 8 | 5 | 7 | 5 | 5 | 5 |
| KAZE | 1 | 1 | 1 | 4 | 5 | 1 | 8 | 8 | 1 | 8 | 4 | 2 | 2 | 1 |
| AKAZE | 1 | 1 | 1 | 7 | 4 | 8 | 8 | 7 | 7 | 8 | 1 | 8 | 1 | 1 |