

Detector	Total time for processing on 10 Images(Seconds)
AKAZE	889.5211
BRISK	408.1993
FAST	14.90068
HARRIS	241.7388
ORB	100.29479
SIFT	1413.751

Descriptor	Total time for processing on 10 Images(Seconds)
AKAZE	792.9518
BRIEF	17.925797
FREAK	426.3679
ORB	43.68881
SIFT	353.2564
BRISK	23.8207

DET_DES_COMBO	No.Of Matched Points	Det+Des_Time
AKAZE_AKAZE	1259	1682.4729
AKAZE_BRIEF	1266	907.446897
AKAZE_FREAK	1187	1315.889
AKAZE_ORB	1182	933.20991
AKAZE_SIFT	1270	1242.7775
BRISK_SIFT	1646	761.4557
BRISK_BRIEF	1704	426.125097
BRISK_FREAK	1524	834.5672
BRISK_ORB	1514	451.88811
FAST_BRIEF	1099	32.826477
FAST_FREAK	878	441.26858
FAST_ORB	1071	58.58949
HARRIS_SIFT	160	594.9952
HARRIS_AKAZE	172	1034.6906
HARRIS_BRIEF	169	259.664597
HARRIS_FREAK	140	668.1067
HARRIS_ORB	158	285.42761
ORB_SIFT	763	453.55119
ORB_BRIEF	545	118.220587
ORB_FREAK	420	526.66269
ORB_ORB	763	143.9836
SIFT_SIFT	800	1767.0074
SIFT_BRIEF	702	1431.676797
SIFT_FREAK	593	1840.1189
AKAZE_BRISK	1110	913.3418
BRISK_BRISK	1298	432.02
FAST_BRISK	776	38.72138
HARRIS_BRISK	115	265.5595
ORB_BRISK	649	124.11549
SIFT_BRISK	536	1437.5717

Based On Speed,I would recommend these 3 combinations.

Would be suitable for real time applications

FAST\_BRIEF

FAST\_BRISK

FAST\_ORB



