

Detector	Keypoint Detection			Descriptor Extraction and Matching											
				BRISK			BRIEF			ORB			SIFT		
	Before Sampling	After Sampling	Time (ms)	Matched Keypoints	Time (ms)	Total Time	Matched Keypoints	Time (ms)	Total Time	Matched Keypoints	Time (ms)	Total Time	Matched Keypoints	Time (ms)	Total Time
BRISK	2757	200	237.9	-	2.5	240.4	-	2.6	240.4	-	16.7	254.6	-	63.5	301.4
	2777	207	196.8	127	2.2	198.9	132	0.8	197.6	113	4.2	201.0	142	46.9	243.7
	2741	211	188.0	99	2.4	190.4	112	0.7	188.7	97	5.0	193.0	110	42.7	230.7
	2735	210	183.7	111	2.2	185.9	135	0.9	184.7	108	4.1	187.8	128	45.7	229.4
	2757	220	189.2	117	2.3	191.5	96	1.1	190.3	96	4.0	193.2	120	45.5	234.6
	2695	204	184.6	124	2.2	186.7	128	0.7	185.3	113	4.1	188.6	129	45.6	230.1
	2715	214	184.3	122	2.3	186.6	120	0.8	185.0	111	4.1	188.4	130	51.5	235.8
	2628	194	185.4	124	2.1	187.5	151	0.8	186.2	118	4.0	189.4	137	44.2	229.6
	2639	186	178.4	98	2.0	180.4	129	0.7	179.1	98	4.0	182.4	106	43.0	221.4
	2672	183	180.6	131	2.0	182.5	128	0.8	181.4	126	4.1	184.7	132	41.8	222.4
	<b>27116</b>	<b>2029</b>	<b>1909</b>	<b>1053</b>	<b>22.0</b>	<b>1931</b>	<b>1131</b>	<b>9.8</b>	<b>1919</b>	<b>980</b>	<b>54</b>	<b>1963</b>	<b>1134</b>	<b>470</b>	<b>2379</b>
FAST	1824	111	1.6	-	2.4	4.0	-	1.6	3.2	-	1.9	3.4	-	30.4	31.9
	1832	104	1.1	67	1.4	2.5	84	0.8	1.9	83	2.0	3.1	83	17.5	18.6
	1810	107	0.9	63	1.5	2.3	77	0.5	1.4	73	1.3	2.2	66	23.7	24.6
	1817	114	1.9	73	1.3	3.1	82	0.5	2.4	82	1.3	3.2	75	16.9	18.7
	1793	102	1.2	62	1.2	2.4	72	0.5	1.7	73	1.3	2.5	64	16.3	17.5
	1796	99	1.2	52	1.1	2.3	69	0.5	1.7	68	1.3	2.5	73	16.5	17.7
	1788	107	1.2	61	1.3	2.5	69	0.5	1.7	72	1.3	2.5	68	17.8	19.1
	1695	96	1.2	69	1.1	2.4	86	0.5	1.8	80	1.3	2.5	77	17.2	18.4
	1749	89	0.9	56	1.1	2.0	69	0.5	1.4	72	1.3	2.2	72	18.7	19.6
	1770	93	1.2	62	1.1	2.3	72	0.5	1.8	72	1.3	2.5	61	18.1	19.4
	<b>17874</b>	<b>1022</b>	<b>12</b>	<b>565</b>	<b>13.3</b>	<b>26</b>	<b>680</b>	<b>6.5</b>	<b>19</b>	<b>675</b>	<b>14</b>	<b>27</b>	<b>639</b>	<b>193</b>	<b>205</b>
ORB	500	64	71.2	-	1.4	72.5	-	0.8	72.0	-	4.4	75.6	-	46.7	117.8
	500	71	9.7	50	1.0	10.6	34	0.5	10.1	46	7.4	17.1	46	44.1	53.7
	500	77	7.0	38	2.2	9.2	24	1.4	8.3	40	4.2	11.1	40	43.1	50.1
	500	75	7.7	53	1.5	9.2	34	0.6	8.3	45	4.2	11.8	54	37.4	45.1
	500	70	8.0	44	1.2	9.2	36	0.6	8.5	39	4.6	12.6	43	35.3	43.3
	500	79	8.1	47	1.3	9.4	33	0.5	8.5	57	4.6	12.7	44	36.2	44.3
	500	79	7.5	47	1.3	8.8	27	0.4	8.0	44	4.1	11.7	41	38.6	46.1
	500	70	8.7	52	1.8	10.5	40	0.4	9.1	52	4.2	12.9	50	35.6	44.3
	500	73	7.1	38	1.5	8.6	35	0.4	7.5	37	4.1	11.2	47	41.3	48.4
	500	61	9.4	50	1.1	10.4	40	0.4	9.8	44	4.1	13.5	45	35.0	44.4
	<b>5000</b>	<b>719</b>	<b>144</b>	<b>419</b>	<b>14.2</b>	<b>158</b>	<b>303</b>	<b>6.0</b>	<b>150</b>	<b>404</b>	<b>46</b>	<b>190</b>	<b>410</b>	<b>393</b>	<b>538</b>
SIFT	1437	113	149.1	-	2.8	152.0	-	2.7	151.8	-	1.4	150.5	-	101.4	250.6
	1371	104	108.1	46	2.4	110.5	62	1.5	109.6	73	1.4	109.6	65	90.5	198.7
	1381	103	128.7	41	1.2	129.9	54	0.5	129.2	63	1.3	130.0	55	78.8	207.5
	1336	106	98.2	43	1.3	99.5	53	0.8	99.0	72	1.3	99.6	69	80.8	179.0
	1303	102	99.6	45	1.3	100.8	50	0.8	100.3	65	1.1	100.7	67	77.6	177.1
	1370	104	100.4	45	1.3	101.7	53	0.8	101.2	62	1.3	101.7	75	77.5	177.9
	1396	104	98.1	36	1.3	99.4	48	0.8	98.9	61	1.3	99.4	63	84.2	182.3
	1382	117	100.1	46	1.4	101.5	62	0.8	100.9	73	1.2	101.3	65	80.1	180.2
	1462	116	99.7	35	1.4	101.0	40	0.8	100.5	66	1.3	100.9	59	78.4	178.1
	1422	95	109.9	50	1.2	111.1	58	0.8	110.7	67	1.3	111.2	75	79.0	188.9
	<b>13860</b>	<b>1064</b>	<b>1092</b>	<b>387</b>	<b>15.4</b>	<b>1107</b>	<b>480</b>	<b>10.2</b>	<b>1102</b>	<b>602</b>	<b>13</b>	<b>1105</b>	<b>593</b>	<b>828</b>	<b>1920</b>