Detector	Descriptor	Detection time	Description time	Total time	Neighborhood mean	Neighborhood variance	Keypoints per image	Matches per image
FAST	ORB	0.0013128	0.000850464	0.002163264	7	0	[419 427 404 423 386 414 418 406 396 401]	[24 226 220 218 226 220 235 251 226 239]
FAST	BRIEF	0.00128775	0.000946069	0.002233819	7	0	[419 427 404 423 386 414 418 406 396 401]	[34 229 253 233 247 224 243 251 260 238]
FAST	BRISK	0.00131146	0.00296886	0.00428032	7	0	[419 427 404 423 386 414 418 406 396 401]	[15 213 216 187 205 185 200 215 203 208]
HARRIS	BRIEF	0.00469857	0.000486604	0.005185174	6	0	[17 14 18 21 26 43 18 31 26 34]	[12 12 14 17 17 16 12 20 21]
HARRIS	BRISK	0.00466627	0.00074109	0.00540736	6	0	[17 14 18 21 26 43 18 31 26 34]	[11 9 10 11 16 14 12 21 17]
ORB	BRISK	0.00545206	0.000976412	0.006428472	55.9928	630.76	[92 102 106 113 109 125 130 129 127 128]	[3 60 65 65 76 72 83 83 73 72]
HARRIS	ORB	0.00463058	0.00268886	0.00731944	6	0	[17 14 18 21 26 43 18 31 26 34]	[11 11 14 17 19 19 13 21 20]
SHITOMASI	BRIEF	0.00956219	0.000666637	0.010228827	4	0	[125 118 123 120 120 113 114 123 111 112]	[96 93 92 89 92 93 85 91 85]
SHITOMASI	BRISK	0.00988624	0.00131412	0.01120036	4	0	[125 118 123 120 120 113 114 123 111 112]	[84 80 73 77 74 70 79 81 72]
SHITOMASI	ORB	0.0127883	0.00060442	0.01339272	4	0	[125 118 123 120 120 113 114 123 111 112]	[86 84 87 91 87 76 81 88 88]
ORB	BRIEF	0.0139805	0.000386863	0.014367363	55.9928	630.76	[92 102 106 113 109 125 130 129 127 128]	[16 37 38 37 53 42 64 58 62 59]
HARRIS	SIFT	0.00471456	0.0159022	0.02061676	6	0	[17 14 18 21 26 43 18 31 26 34]	[14 11 16 19 22 22 13 24 22]
ORB	ORB	0.0200526	0.00306062	0.02311322	55.9928	630.76	[92 102 106 113 109 125 130 129 127 128]	[3 40 57 49 54 57 68 71 62 72]
HARRIS	FREAK	0.00637525	0.0254936	0.03186885	6	0	[17 14 18 21 26 43 18 31 26 34]	[11 9 13 14 13 18 10 17 18]
SHITOMASI	SIFT	0.0172888	0.014658	0.0319468	4	0	[125 118 123 120 120 113 114 123 111 112]	[112 109 104 103 99 101 96 106 97]
BRISK	BRISK	0.0305529	0.00213466	0.03268756	21.9444	213.688	[264 282 282 277 297 279 289 272 266 254]	[3 138 144 133 144 139 155 137 150 158]
SHITOMASI	FREAK	0.0093095	0.0242763	0.0335858	4	0	[125 118 123 120 120 113 114 123 111 112]	[66 66 64 63 62 64 61 65 63]
BRISK	BRIEF	0.0329735	0.000665722	0.033639222	21.9444	213.688	[264 282 282 277 297 279 289 272 266 254]	[73 138 166 129 141 148 155 158 161 148]
BRISK	ORB	0.0332503	0.00298685	0.03623715	21.9444	213.688	[264 282 282 277 297 279 289 272 266 254]	[16 94 107 88 97 85 114 112 114 122]
ORB	FREAK	0.00656191	0.0297043	0.03626621	55.9928	630.76	[92 102 106 113 109 125 130 129 127 128]	[6 39 33 37 40 33 40 41 39 44]
FAST	FREAK	0.00132598	0.0393916	0.04071758	7	0	[419 427 404 423 386 414 418 406 396 401]	[16 178 181 156 182 159 179 196 164 171]
BRISK	FREAK	0.0338911	0.0247552	0.0586463	21.9444	213.688	[264 282 282 277 297 279 289 272 266 254]	[13 114 121 113 118 103 129 135 129 131]
FAST	SIFT	0.00133883	0.0619424	0.06328123	7	0	[419 427 404 423 386 414 418 406 396 401]	[2 316 325 297 311 291 326 315 300 301]
ORB	SIFT	0.00515501	0.0901214	0.09527641	55.9928	630.76	[92 102 106 113 109 125 130 129 127 128]	[7 67 79 78 79 82 95 95 94 94]
BRISK	SIFT	0.0344213	0.0686218	0.1030431	21.9444	213.688	[264 282 282 277 297 279 289 272 266 254]	[3 182 193 169 183 171 195 194 176 183]
SIFT	BRISK	0.114456	0.0010749	0.1155309	5.03738	35.8244	[138 132 124 137 134 140 137 148 159 137]	[16 64 66 62 66 59 64 64 67 80]
SIFT	BRIEF	0.149637	0.000461567	0.150098567	5.03738	35.8244	[138 132 124 137 134 140 137 148 159 137]	[61 86 78 76 85 69 74 76 70 88]
SIFT	FREAK	0.121835	0.0382852	0.1601202	5.03738	35.8244	[138 132 124 137 134 140 137 148 159 137]	[34 65 72 64 66 59 59 64 65 79]
AKAZE	BRISK	0.171399	0.00153623	0.17293523	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[0 126 112 121 117 114 119 134 140 127]
AKAZE	ORB	0.19414	0.0025383	0.1966783	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[5 102 96 96 84 90 116 103 113 118]
AKAZE	FREAK	0.178742	0.0229848	0.2017268	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[0 103 105 93 99 97 115 126 118 117]
AKAZE	BRIEF	0.212803	0.000581218	0.213384218	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[31 108 116 110 109 116 129 133 135 131]
AKAZE	SIFT	0.173924	0.0409071	0.2148311	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[0 134 134 130 136 137 147 147 154 151]
SIFT	SIFT	0.121442	0.110334	0.231776	5.03738	35.8244	[138 132 124 137 134 140 137 148 159 137]	[82 81 85 93 90 81 82 102 104]
AKAZE	AKAZE	0.200795	0.185396	0.386191	7.69915	12.5121	[166 157 161 155 163 164 173 175 177 179]	[128 128 125 117 121 132 137 140 144]