

Experiments with YFCC100M

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We queried increasingly larger parts of the index (1M, 10M, 95M) using the Wikipedia images of 25 landmarks given with the [MediaEval2013 RDSI task](#) collection (the query images can be found [here](#)). The table shows the approximate amount of memory and time required to load each part of the index as well as the average (over the 25 queries) time required to search the index for the top-30 most similar images using different values for the w parameter (number of lists visited out of 8192). The results returned for each setting (index size and w) can be found [here](#).

Index Size	Memory (Gb)	Loading Time (sec)	w	Avg. Search Time (ms)
1M	3GB	7.0	1	23.52
			2	34.64
			8	78.72
			64	231.92
10M	4GB	56.9	1	72.64
			2	135.20
			8	503.92
			64	1812.00
95M	16GB	563.1	1	467.00
			2	958.32
			8	4006.52
			64	14634.84