

Method	CIFAR-10				NUS-WIDE			
	12-bits	24-bits	36-bits	48-bits	12-bits	24-bits	36-bits	48-bits
LSH	0.1277	0.1367	0.1407	0.1492	0.3329	0.3392	0.3450	0.3474
SH	0.1319	0.1278	0.1364	0.1320	0.3401	0.3374	0.3343	0.3332
CCA-ITQ	0.1653	0.1960	0.2085	0.2176	0.3874	0.3977	0.4146	0.4188
KSH	0.2948	0.3723	0.4019	0.4167	0.4331	0.4592	0.4659	0.4692
CNNH	0.5425	0.5604	0.5640	0.5574	0.4315	0.4358	0.4451	0.4332
DLBHC	0.5503	0.5803	0.5778	0.5883	0.4663	0.4728	0.4921	0.4916
DNNH	0.5708	0.5875	0.5899	0.5904	0.5471	0.5367	0.5258	0.5248
DSH	0.6157	0.6512	0.6607	0.6755	0.5483	0.5513	0.5582	0.5621
SUBIC	0.6349	0.6719	0.6823	0.6863	–	–	–	–
DSH-new w/ BN	0.6780	0.6927	0.7040	0.7115	0.5795	0.5949	0.5963	0.6018
DSH-new w/o BN	0.6326	0.6812	0.6981	0.7177	0.5849	0.6020	0.6075	0.6073
$\tanh(\alpha x)$ w/ BN	0.6799	0.6908	0.6974	0.6974	0.5796	0.5987	0.6026	0.5959
$\tanh(\alpha x)$ w/o BN	0.6397	0.6887	0.7042	0.7097	0.5906	0.5942	0.5977	0.6007
ABC with BN (ours)	0.6881	0.7149	0.7193	0.7201	0.5882	0.5920	0.5993	0.5978