

# K-NN Implementation

- Issues with timing introduced in last update
- Further investigation required regarding timing on UT4

Function	Part	Freq. in Mhz	N	K	BRAM rel.	DSP rel.	FF rel.	LUT rel.	Timing
K-NN	xcvu160	263,13	64	16	0,2%	16,4%	2,5%	3,6%	FALSE
K-NN	xcvu160	263,13	64	8	0,2%	16,4%	2,2%	3,3%	FALSE
K-NN	xcvu160	263,13	64	4	0,2%	16,4%	2,1%	3,1%	FALSE
K-NN	xcvp2502	263,13	64	16	0,3%	3,5%	1,1%	1,6%	TRUE
K-NN	xcvp2502	263,13	64	8	0,3%	3,5%	1,0%	1,5%	TRUE
K-NN	xcvp2502	263,13	64	4	0,3%	3,5%	1,0%	1,3%	FALSE