DCNN Accelerator

I/O Team

Submitted to:

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Assumptions and limitations:

* All other modules are only allowed to start working after all the data is stored in the memory.
* I/O and other modules can connect through the DMA

System Scenario:

* Load signals are fired to start reading the data from the CPU (files)
* After reading the data, the decompression module starts to decompress the data.
* After the decompression, The CNN info and the Image are ready to be stored in memory.
* A done signal is fired outside the IO module to tell the DMA to start storing the data.
* CNN info is first stored, then a doneLoadingCNN signal is fired
* Then the image is stored, and a doneLoadingImg signal is fired
* Now to two other modules are ready to read from the RAM.

Notes:

While running the run.do, please put the duration of simulation with this number: 5175400 ps.

Thank you