

DCNN Accelerator

I/O Team

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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