

Software Stack supported on Corazon-AI

Vitis AI
Demo inferences



Vitis AI
Framework & Models

PyTorch Darknet Keras TensorFlow Caffe

Models & Networks (Model Zoo)
[SSD, Densebox, Yolo, Enet, Mobilenet, RefineDet, Googlenet, Unet]

Application Stack

NumPy, gstreamer, python, SSH, SFTP, DPU Libraries, OpenCV, FFmpeg, JSON, Qt, PostgreSQL, Vitis AI runtime

Petalinux + Yocto

RTSP(IP), USB 3.0, 3G SDI, LiDAR*, 4K DP, GPIO, GbEx2, Wi-Fi, BT5.0, 4G LTE, DPU 4096, DPU 3136, M.2 SATA, JPEG, H.265/H.264 Codec

Hardware

Corazon-AI Platform