

End-to-End Autonomous Driving Module Generation in **Cloud**

Model Training

Model Compression

Model Compilation

Hardware



Camera



Servo Motor



DC Motors



Keyboard

Image Data
Producer

Camera Driver

Command Data
Consumer

Mechanical
Controller

Command Data
Producer

Control Module

Training Data
Collect Module

Training Data
Consumer

Image Data
Queue

Command Data
Queue

Processing
Queue

End-to-End AD
Acceleration Module

Artix-7 FPGA (PL)

ARM Cortex-9 (PS)

Data Flow



Model
Deployment

