

# DeepView ModelPack

For Detection on MPU and NPU



## IMMEDIATE RESULTS

- ✓ Instantly deploy standard or custom AI models on EVK, Maivin or your own hardware.
- ✓ Fully compatible with eIQ Toolkit graphical development environment for no-code model training and deployment.
- ✓ Integration with multiple frameworks to deploy your AI application the way you want.

## BEST IN CLASS PERFORMANCE

- ✓ Achieve industry leading performance with DeepViewRT Inference Engine and DeepView VisionPack.
- ✓ Ship your product with confidence knowing your vision pipeline is fully optimized for AI compute at the edge.

## STATE OF THE ART DETECTION MODEL

- ✓ Achieve state-of-the-art results with best-in-class performance using ModelPack for Detection.
- ✓ Avoid common pitfalls of tuning, pruning, quantizing models. Simply provide your dataset and train from eIQ Portal.
- ✓ We've optimized our models so you can focus on your vision application.

## COMMERCIALY SUPPORTED

- ✓ Build your EdgeFirst AI solution with confidence.
- ✓ Long Term Support and stability.
- ✓ Documented code provenance.
- ✓ Field proven reliability.



edgefirst.ai



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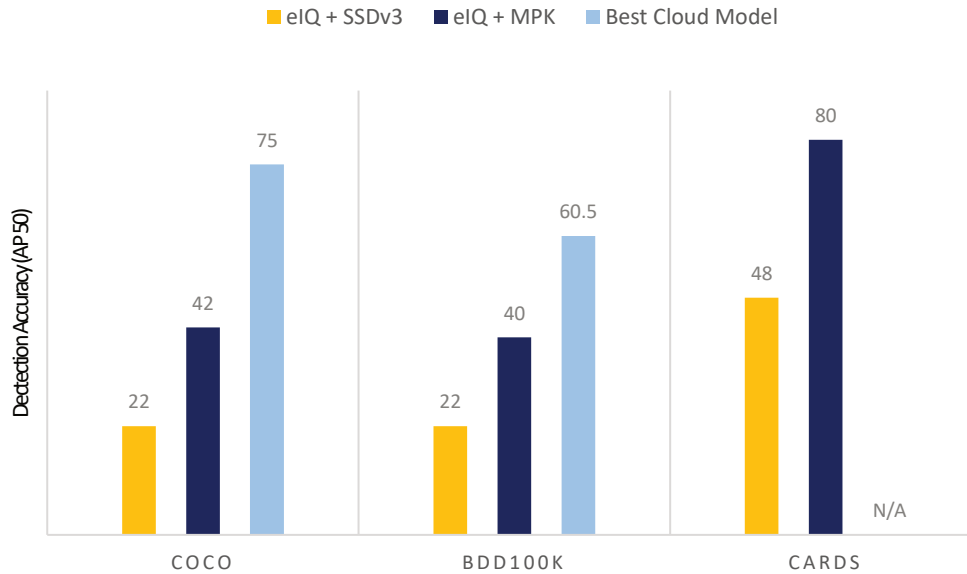
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Free ModelPack Trial

# DeepView ModelPack

MODELPACK ACCURACY VS. ALTERNATIVES FOR 3 DATASETS



## Features

## Description

|                       |  |
|-----------------------|--|
| Supported Processors  | NXP i.MX 8M Plus with Neural Processing Unit<br>NXP i.MX 8 Family - CPU, GPU<br>NXP i.MX 6 Family - CPU, GPU |
| Supported Platforms   | NXP EVKs, Maivin AI Vision Starter Kit, Custom Hardware  |
| Example eIQ Projects  | COCO2017, BDD100K, and Custom Datasets (Bring Your Own Data), etc.   |
| Development Tools     | eIQ Toolkit, TensorFlow, Jupyter   |
| Runtime Optimizations | Full int8 quantization optimized for maximum NPU performance   |
| Deployment Support    | Optimized export from eIQ Portal to VisionPack with DeepViewRT   |
| End-to-End Latency*   | Under 18ms from camera capture to bounding boxes   |