DeepView™
ModelPack
For Detection on MPU and NPU

Au-Zone Technologies

MobileNet SSD
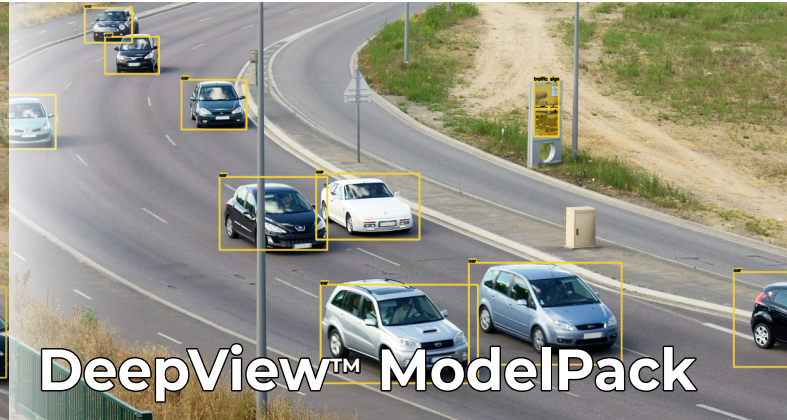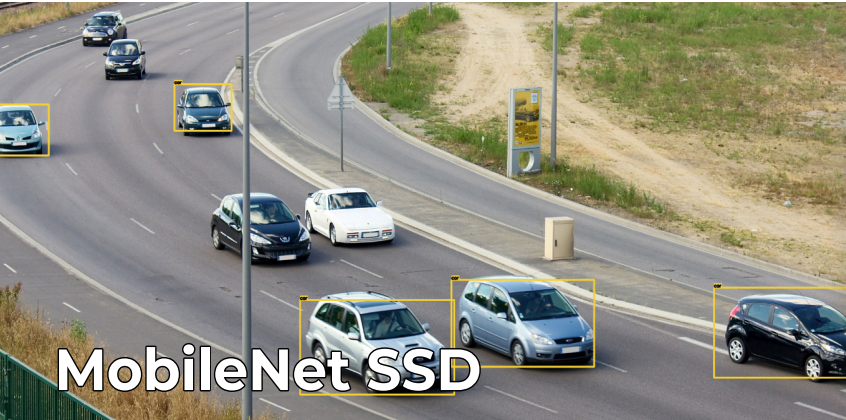
DeepView™ ModelPack

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.

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.

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.

COMMERCIALLY
SUPPORTED

✓ Build your EdgeFirst AI solution with confidence.

✓ Long Term Support and stability.

✓ Documented code provenance.

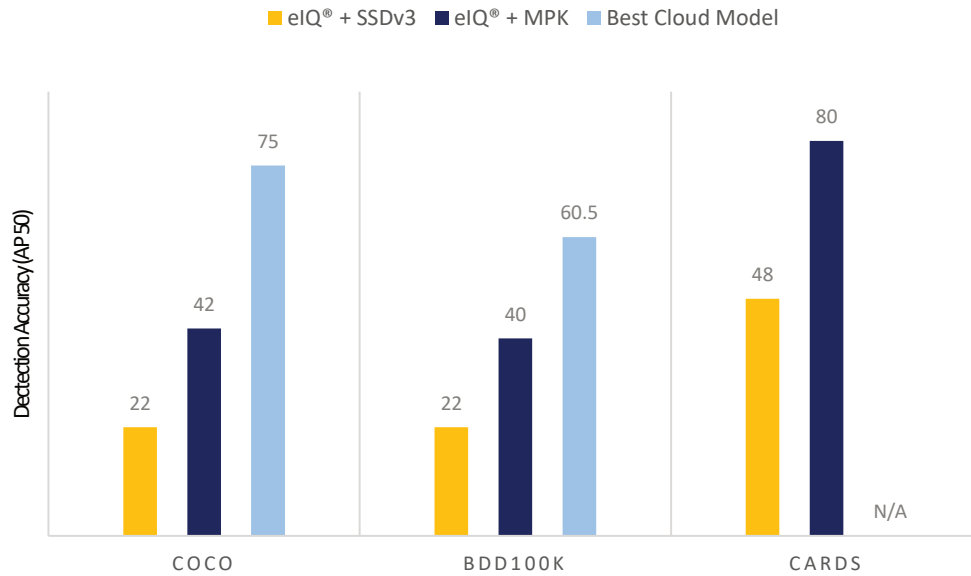✓ Field proven reliability.

edgefirst.ai   +1 403 261 9985   info@au-zone.com

MODELPACK ACCURACY VS. ALTERNATIVES FOR 3 DATASETS

- eIQ® + SSDv3
- eIQ® + MPK
- Best Cloud Model

Detection Accuracy (AP50)

COCO: 22, 42, 75
BDD100K: 22, 40, 60.5
CARDS: 48, 80, N/A

Features	Description
Supported Processors	NXP® i.MX 8M Plus with Neural Processing Unit NXP® i.MX 8 Family - CPU, GPU 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 Datesets (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