

# Maivin AI

## Vision Starter Kit

NXP i.MX 8M Plus Application Processor



# POWERFUL

## EDGEFIRST VISUAL INTELLIGENCE

### High Performance

### NPU Architecture

OUT OF THE BOX

## FUNCTIONALITY

- ✓ Fully functional, field ready starter kit to deploy your custom AI solution today.
- ✓ Test your models in the wild in less than an hour of unboxing.
- ✓ Production grade hardware, AI middleware, and sample applications.

ACCELERATED

## DEVELOPMENT

- ✓ Build your own EdgeFirst object detection solution in a day.
- ✓ Graphical development tools for no-code model training and deployment.

BEST IN CLASS

## PERFORMANCE

- ✓ Achieve industry leading performance with DeepviewRT Inference Engine and DeepView AI middleware.
- ✓ Fully optimized system performance.

COMMERCIALY

## SUPPORTED

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



[edgefirst.ai](https://edgefirst.ai)



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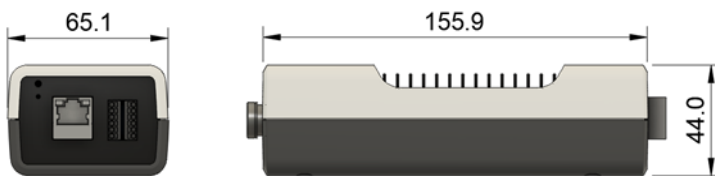


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Additional Information

# Maivin AI Vision Starter Kit



\* All measurements are in mm



Features	Description
Processor	Toradex Verdin NXP i.MX 8M Plus System on Module
Memory	4GB LPDDR4 RAM, 16GB Flash
Communications (I/O)	Gigabit Ethernet, 802.11 Wi-Fi, Bluetooth, 2 GPIO, RS-485
Sensor Interface	2 x 4-Lane MIPI CMOS Sensor Interfaces with LED Drivers Global Shutter, Rolling Shutter and Integrated ISP
Expansion	M.2 Connector for AI Accelerators, LTE Modems or SSD Drives Micro SD Socket
Power	5 W at 12 VDC, Input 10 - 27 VDC 2.1/5.5 mm barrel connector with universal power supply
Lens	M12 Lens mount with 3.6mm and 6mm lenses included
Enclosure & Mounting	Custom injection molded plastic enclosure with 1/4" threaded mount Slots for alternative image sensor modules & custom rear connector boards
AI Middleware	DeepViewRT & Evaluation version of DeepView AI Middleware
Development Tools	eIQ Toolkit, Visual Studio Code, GCC, Clang
Linux BSP	Yocto, Torizon with Docker