

Micro AI Vision Starter Kit

NXP i.MX RT 1064 Crossover MCU



SMALL PACKAGE **BIG POSSIBILITIES**

Low Cost

MCU 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



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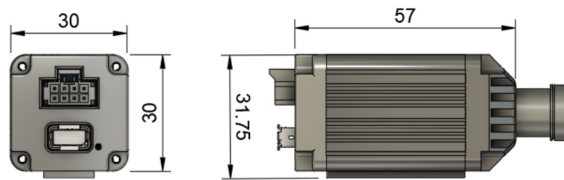


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Additional Information

Micro AI Vision Starter Kit



* All measurements are in mm



Features	Description
Processor	NXP i.MX RT 1064 Processor
Memory	256 Mbit SDRAM , 256 Mbit Flash
Communications (I/O)	10/100 Mbps Ethernet, 802.11 Wi-Fi, Bluetooth, 2 GPIO, RS-485
Sensor Interface	OV10626 WVGA 16 bit HDR sensor 0.5MP Global Shutter, Rolling Shutter and Integrated ISP
Expansion	LTE M1 cellular modem & customizable rear connector board
Power	1.2 W at 12 VDC, Input 8 - 15 VDC 2.5/5.5 mm barrel connector with universal power supply
Lens	M12 Lens mount with 3.6mm and 6mm lenses included
Enclosure & Mounting	Aluminum enclosure with plastic rear end caps with 1/4" threaded mount M3 mounting holes for custom options
AI Middleware	DeepViewRT & Evaluation version of DeepView AI Middleware
Development Tools	eIQ Toolkit, MCUXpresso, Keil, IAR
RTOS	FreeRTOS, AzureRTOS