Micro AI
Vision Starter Kit
NXP® i.MX RT 1064 Crossover MCU

Au-Zone
Technologies

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.

COMMERCIALLY
SUPPORTED

✓ Build your EdgeFirst AI solution with confidence.

✓ Long Term Support and stability.

✓ Documented code provenance.

✓ Field proven reliability.

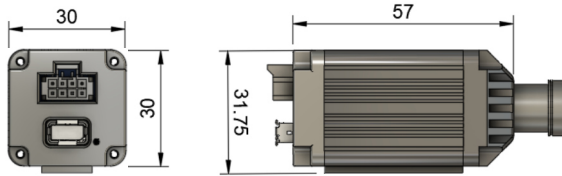edgefirst.ai   +1 403 261 9985   info@au-zone.com

Micro AI
Vision Starter Kit

30

57

31.75

30

* 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