



Take this flyer with you!

reCamera

Your shortest pathway to build a market-ready AI camera



reCamera



reCamera HQ PoE



reCamera Gimbal



reCamera RV1126B



Customizable

Multiple Sensor Options

Switch between:

Night Vision

Global Shutter

Thermal Imaging



NPU
1-3 TOPS

Interchangeable Modular Design



Custom Model Supported

ONNX

PyTorch

RKNN

TensorFlow Lite



Open Source

Enhanced Heat Dissipation

ARM & Linux
C++ python
OpenCV

Fast Deployment

Low-code with Built-in Node-RED



ultralytics

YOLO 11n

Includes Pre-installed Ultralytics YOLO11



Pocket - cube Size

Down to 40x40x36.5 mm
Magnetic and 1/4" Thread Mount



Native Support SenseCraft

Connectivity

Wi-Fi HaLow

Meshtastic

PoE

WiFi/BLE

Ethernet

Beyond Vision

Mic and Speaker



reCamera HQ PoE

A fully open-source, modular AI camera. Runs Linux on an embedded AI SoC (1 TOPS), comes with built-in YOLO models and Node-RED.



High Quality

1/2.9-inch GC2053 CMOS sensor, providing superior image quality.



M12 Lens Mount

Default 90° FOV, easily replaceable with any standard M12 lens.



Ethernet with PoE

Supports data and power over a single cable, PoE Mode A only.



IO/UART Extension

6-pin header with 1x UART and 3x GPIO.



reCamera RV1126B NEW

An open, modular AI powerhouse built for the edge. Powered by the Rockchip RV1126B, it combines 3TOPS local computing with flexible hardware expansion to deliver secure, real-time intelligence via a code-free web workflow—turning complex vision applications into plug-and-play reality.



Features



High-Performance AI Core

Rockchip RV1126B with 3TOPS NPU. 4K@30FPS encoding and real-time YOLOv8 inference (20FPS).



Modular & Expandable Design

Fanless metal chassis with flexible expansion for GPS, Wi-Fi HaLow, CAN, and RS485.



100% Local Edge AI

Guarantees data privacy with on-device processing. Delivers zero latency, eliminates cloud costs, and supports reliable off line operation.



Developer-Ready Platform

Accelerate time-to-market with full open-source architecture, intuitive Web-based configuration, standard HTTP APIs.

Applications



AI Parking Management

Multi-frame stabilization with pre-configured Node-RED for parking occupancy overlay.



AI Remote Wireless Monitoring System

Wi-Fi HaLow solution for detection, long-range transmission and monitoring.



Target Detection

Localized heatmaps powered by YOLO11n, visualized in a Grafana dashboard.



Pose Detection

Real-time body and hand tracking for controller-free gesture interaction.

