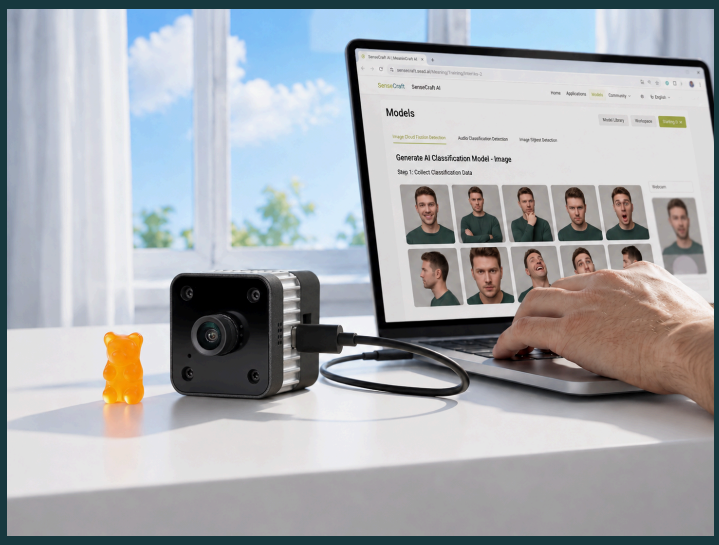
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INDUSTRIAL PRODUCT DATASHEET

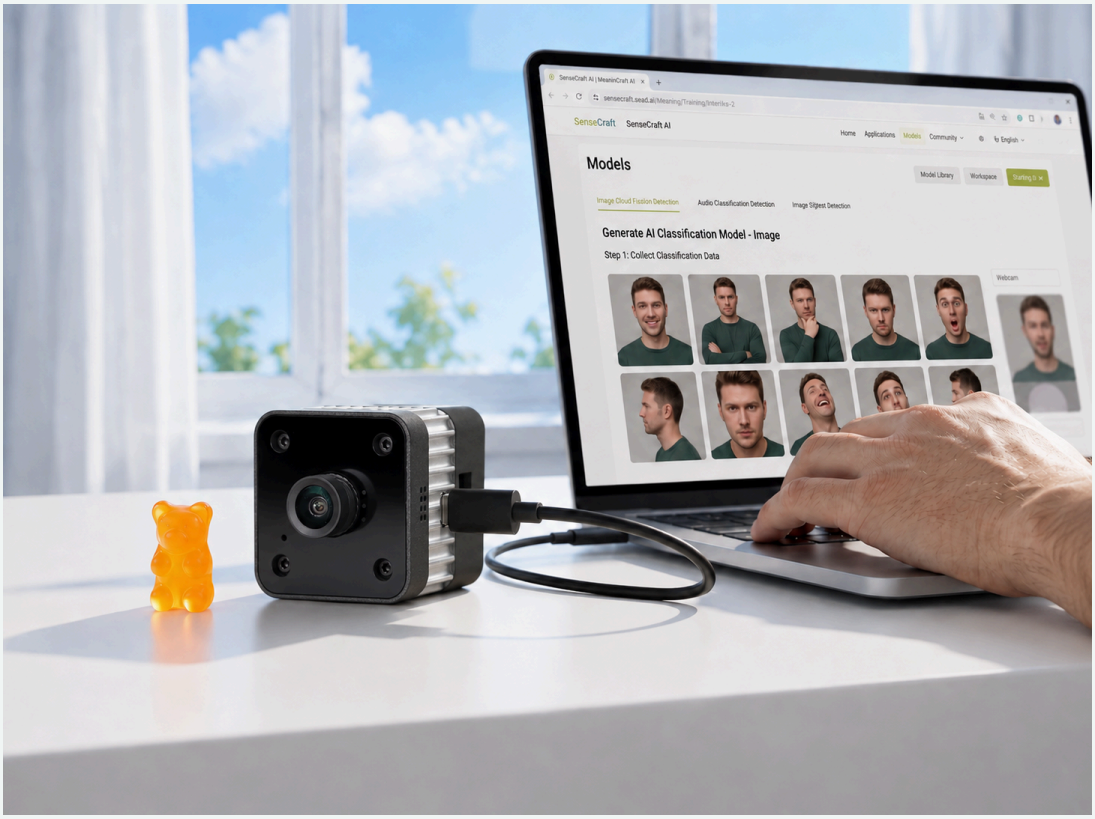
reCamera 2002 HQ PoE 8GB - Your Shortest Pathway to Build a Market-ready AI Camera

reCamera PoE is a fully open-source, modular AI camera.It runs Linux on an embedded AI SoC, delivers 1 TOPS @ INT8 computing power, and comes with built-in YOLO models and Node-RED.Equipped with a 1/2.9'' CMOS sensor,...

SKU	UPDATED	PRICE
100029708	2026-11-11 09:30:21	$109.90(Excl. VAT)



Overview



reCamera PoE is a fully open-source, modular AI camera.It runs Linux on an embedded AI SoC, delivers 1 TOPS @ INT8 computing power, and comes with built-in YOLO models and Node-RED.Equipped with a 1/2.9'' CMOS sensor, replaceable M12 lenses (90° FOV by default), PoE and GPIO itisa network-ready smart eye for any system. reCamera is the go-to AI camera for YOLO at the edge.

Key Features

01 **Alarms and warning lights**

02 **Door locks**

03 **Relay modules**

04 **Motors and actuators**

05 **External sensors and controllers**

06 **Object Detection**

07 **Object Classification**

08 **Pose Estimation**

09 **Instance Segmentation**

10 **Licensing**

reCamera does not include an Ultralytics commercial license. For commercial use of Ultralytics YOLO models, please visit Ultralytics YOLO Licensing page for available options.*

11 **Camera input**

12 **AI model inference**

Product Gallery





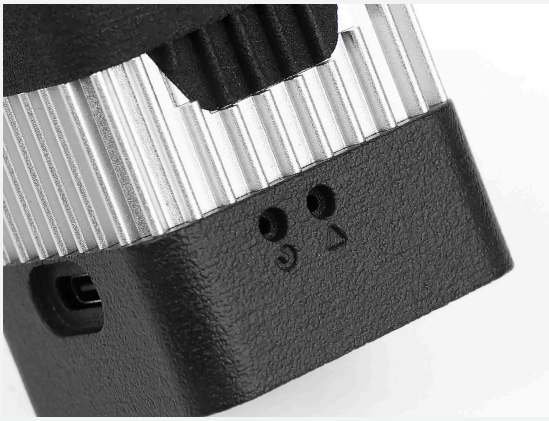








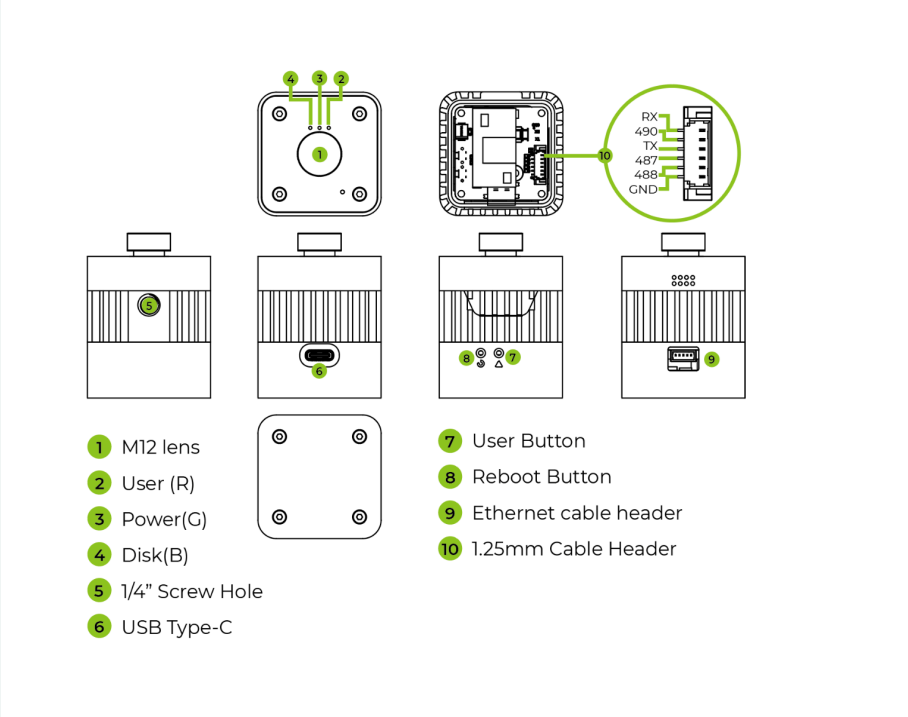







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53.1mm
40 mm
40 mm

Hardware Overview



1. M12 lens
2. User (R)
3. Power(G)
4. Disk(B)
5. 1/4" Screw Hole
6. USB Type-C
7. User Button
8. Reboot Button
9. Ethernet cable header
10. 1.25mm Cable Header

Applications

- **Integration of Real-time Heatmap with Grafana Data Dashboard:** The project conducts target detection using the YOLO11n model built into reCamera. It performs fuzzy processing on personnel targets and displays a heat map effect. All of this is handled locally within reCamera! And reCamera will send the detected data to the locally running Influxdb database. Then, Grafana reads the data from the Influxdb database to display real-time data dashboards.
- **AI Remote Wireless Monitoring System Based on reCamera and Wifi Halow:** An AI-based remote wireless monitoring system using Wi-Fi HaLow. It combines edge AI vision with long-range, low-power wireless communication to enable real-time detection, data transmission, and monitoring in remote or infrastructure-limited environments such as farms, factories, and outdoor sites.
- **Video link: https://www.linkedin.com/posts/seeedstudio_howtobuildanaicamera-outdoor-wifi-activity-7401880305940553729-R57w?utm_source=share&utm_medium=member_desktop&rcm=ACoAAGCDEqUBKdDsqK6EqGXClNocxAAtw3IA_T0**
- **Tutorial: AI Remote Wireless Monitor System with Wifi HaLow | Seeed Studio Wiki**
- **AI Parking Management with reCamera:** This project uses Seeed's reCamera to detect parking slot occupancy in real-time. It features multi-frame stabilization to avoid flickering and displays results (free/occupied counts) directly on the video stream. The entire workflow runs automatically on the device via a pre-configured Node-RED setup.
- **Tutorial: AI Parking Slot Monitoring Demo with reCamera | Seeed Studio Wiki**
- **Play Subway Surfers with reCamera HQ PoE:** Using its built-in pose detection model, reCamera can recognize your hand and body movements in real time and convert them into game actions, no controllers, no wearables, just pure gesture play. Wave your hand to jump, raise your arm to attack, or lean left and right to dodge obstacles.
- **Video link: https://www.linkedin.com/posts/seeedstudio_howtobuildanaicamera-recamera-yolo11n-activity-7399730949401526272-UdZ4?utm_source=share&utm_medium=member_desktop&rcm=ACoAAGCDEqUBKdDsqK6EqGXClNocxAAtw3IA_T0**
- **Tutorial: Play Subway Surfers with body sensor control | Seeed Studio Wiki**

Resource Links

- https://www.seeedstudio.com/reCamera-2002-HQ-PoE-8GB-p-6558.html
- GC2053 datasheet
- lens datasheet
- PoE module datasheet
- OSHW reCamera Series github
- reCamera OS
- reCamera Flyer
- reCamera Flyer - CN

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