



# Goji Berry R1: All-in-One AI Vision for Low-Power Integrated Applications

## MP-READY MODULE



### Goji Berry R1

Goji Berry R1 is a fully integrated hardware-software solution featuring a robust PCB module with MCUs, NPUs, Wi-Fi, and imaging sensors.

#### Applications



Workspace monitoring



Emergency response



Wildlife analytics



Healthcare

#### Specifications

Chipset	RealTek Wi-Fi Integrated NPU
NPU Capacity	0.4 TOPS, 10 FPS for AI Inference
Streaming	H265 30fps
Wi-Fi	802.11 a/b/g/n, 2.4GHz/5GHz
Power Source	3V
	Battery Powered up to 6 months
Video	1080P Full HD
Image Processing Support	ISP, Night Vision
OS	FreeRTOS with SDK supported

## LOW POWER NPU-ENABLED AI MODULE



Modular Hardware Design



Low Power Operated



Embedded AI Detection



Continuous AI Model Learning



Real-Time Model Updates



Device Management

## WHAT'S DIFFERENT?



**All-in-One Solution**

ISP+ Wi-Fi/ BLE



**Battery Operated**

Low power



**AI Model Switch**

Easy to manage AI model



Goji Berry R1 is an innovation developed by Modular Imaging Technology Inc.  
For more information, please visit [www.goji-berry.ai](http://www.goji-berry.ai) or contact: [info@modular-i.com](mailto:info@modular-i.com)