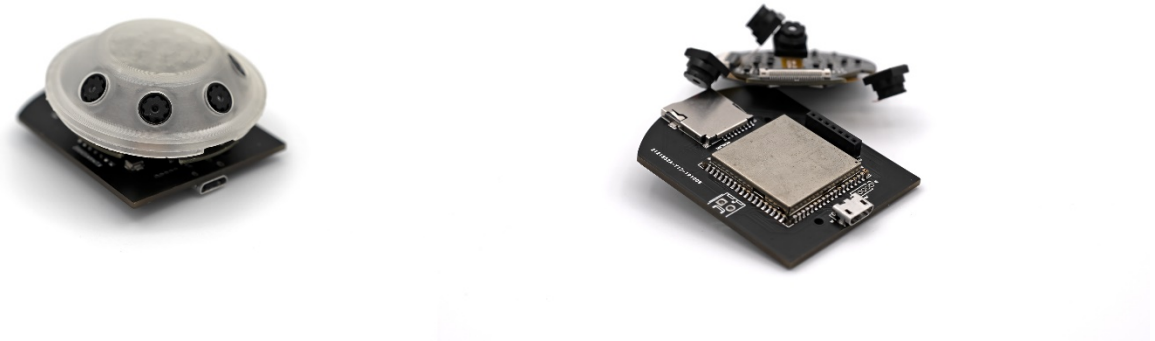


Datasheet

AI multi sensor smart camera

KUMA200



Function Description

KUMA200 is a compact multi sensor smart camera based on the Kendryte K210 dual core RISC-V processor designed for low power artificial intelligence workloads at the edge, such as face detection, object recognition, or audio processing.

KUMA200 CPU has a dual-core RISC-V 64bit IMAFDC, 8MB SRAM, Neural Network Processor (0.25~0.5TOPS), Audio Processor, Field Programmable IO Array, DVP camera and MCU LCD interface.

The Kuma200 sensor kit includes the processing module, the cameras module, 4x OV2640 camera modules and a 2.4" QVGA LCD (testing)

Technical Specifications

Type	AI Smart Camera
Case	Sensor provided as naked electronics
Dimensions (L x W x H)	X x Y x Z mm
Mains power supply	4.8V-5.2V DC >600mA
Sensors	4x OV2640
AI	Neural Network Processor (0.25~0.5TOPS)
Connectivity	USB Serial, WIFI (on request)
Processor	RISC-V Dual Core 64bit, 400Mh adjustable
External Storage	Micro SD card
DVP cameras connectors	4x 24P 0.5mm FPC connector
LCD connector	8bit MCU LCD 24P 0.5mm FPC connector
Buttons	RST button and USR button
GPIOs	4x GPIOs connected to header 1x7 2mm
LEDs	3x controllable LEDs
Manufacturer's Warranty	2 years
Version	KUMA200
EAN	(In draft)