VIA Pixetto

Full HD vision sensor for students, makers, and robotics enthusiasts
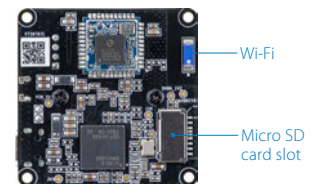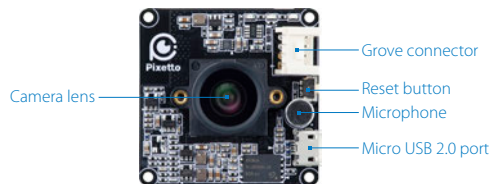
Features

- Full HD vision sensor with 130° field-of-view

- Object, color, shape, face, and handwriting recognition capabilities

- VIA Pixetto Machine Learning Accelerator

- Arduino, Raspberry Pi, and micro:bit compatible

Specifications

Model Name	Pixetto
Processor	ARM Cortex-A7 900MHz
System Memory	64MB DDR SDRAM
Storage	128MB SPI Flash memory
Camera Sensor	GalaxyCore GC2053 CMOS image sensor
Camera Resolution	1920 x 1080
Camera Lens	130° field-of-view
Onboard I/O	3 LEDs 1 Reset button 1 Microphone 1 Grove connector 1 Micro USB 2.0 port 1 Micro SD card slot 1 Wi-Fi antenna
Power Supply	5V/500mA Micro USB 2.0 port 5V/300mA 4-pin Grove connector
Operating Temperature	0°C ~ 45°C
Dimensions	38mm x 38mm (1.5" x 1.5")

Camera lens — Grove connector — Reset button — Microphone — Micro USB 2.0 port

Wi-Fi — Micro SD card slot

Ordering Information

Part Number	Description
00GJZ00001920	Vision sensor with 900MHz ARM Cortex-A7 SoC, 64MB DDR SDRAM, 128MB SPI Flash memory, Micro USB 2.0, Grove connector, Micro SD card slot, Microphone

Packing List

Items
VIA Pixetto vision sensor
Micro USB 2.0 cable
Quick Guide