

VIA Machine
Vision Solutions

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 |
| HDMI | Integrated HDMI 2.0 transmitter supports 4K display |
| Onboard I/O | 3 LEDs (for power, OS booting and active status) 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 System | Linux |
| Operating Temperature | 0°C ~ 45°C |
| Dimensions | 38mm x 38mm (1.5" x 1.5") |



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 |