

Especificaciones de la Placa

Especificaciones	
Microcontroller	Himax WiseEye2 HX6538 processor featuring a dual-core Arm Cortex-M55 and integrated Arm Ethos-U55
Onboard Peripherals	PDM Microphone, SD Card Slot
Rich Interfaces	CSI, IIC, UART, SPI, and Type-C
Input Voltage	5V
Power Supply	dual 7-pin connector & Type-C
Rate	115200
I2C Interface	Seeed Studio XIAO & Arduino
Downloading & Firmware Burn Interface	Type-C
Frequency(ARM Cortex-M55 Processor(Big))	Up to 400MHz
Frequency(ARM Cortex-M55 Processor(Little))	Up to 150MHz
Frequency(ARM Ethos-U55 microNPU)	Up to 400MHz
Memory Card Interface	Up to 1x SD and SDIO host, support DS mode, up to 25MHz
Internal System Memory	• Configurable system memory, up to 2432KB
	• 64KB boot ROM

Especificaciones de Cámaras Compatibles

Parameters	OV5647- 62 FOV Camera module	OV5647-67 FOV IR Camera module	OV5647-160 FOV IR Camera module
Still resolution	5 Megapixels	5 Megapixels	5 Megapixels
FOV	62	67	160
Video modes	1080p@30fps	1080p@30fps	1080p@30fps
	720p@60fps	720p@60fps	720p@60fps
Sensor	OV5647	OV5647	OV 5647
Sensor Resolution	2592 × 1944 pixels	2592 × 1944 pixels	2592 x 1944 pixels
Pixel Size	1.4 μm x 1.4 μm	1.4 μm x 1.4 μm	1.4 μm x 1.4 μm
Focal Length	3.4 mm (adjustable)	3.6 mm (adjustable)	3.15 mm (adjustable)
Focal Ratio (F-Stop)	2.8	2.0	2.35
Power Supply	3.3 V (Pin 15)	3.3 V (Pin 15)	3.3 V (Pin 15)

Hardware Support	Raspberry Pi 3B / 3B+ / 4	Raspberry Pi 3B / 3B+ / 4	Raspberry Pi 3B / 3B+ / 4
Operating Temp	-20°C to 70°C	-20°C to 70°C	-20°C to 70°C
CMOS Size	1/4 inch	1/4 inch	1/4 inch
Size	25 x 23 x 9mm	38 x 38 x 18.4mm	25mm × 24mm ×18±0.5mm
		(excluding lens)	