

Sensor analyse

HC-SR501

Table 1 - HC-SR501 vigtige parametre

Parameter	Value	Unit
Supply voltage	5-20*	Volt
Power Consumption	65	Mili Ampere
TTL output	3.3 / 0	Volt
Sensing distance	7	Meters
Sensing angle	100	Degrees

*Voltage regulator can be circumvented to allow 3V3 voltage supply rating

ESP32-CAM

Table 2 - ESP32-CAM Vigtige parametre

Parameter	Value	Unit
Supply voltage	5	Volt
Power Consumption	6-310	Mili Ampere
Interfaces (Wireless)	802.11 b/g/n	
Interfaces (Wireless)	Bluetooth 4.2 BLE	
Interfaces (Wired)	UART, I2C, SPI, PWM	
Memory		
RAM	520	kB SRAM
SPI flash	32	MBit
Digital Input/Output	9	Pins
Image output format	JPEG/BMP/GREYSCALE	

LED / RGB-LED

Table 3 - LED vigtige parametre

Parameter	Value	Unit
Forward voltage (red) @20mA	2.1-3	Volt
Forward voltage (green) @20mA	2.1-3	Volt
Forward voltage (red) @20mA	2.1-3	Volt
Forward voltage (green) @20mA	2.1-3	Volt
Needed resistor @ 2.1V	145	Ohms
Needed resistor @ 3V (min)	100	Ohms