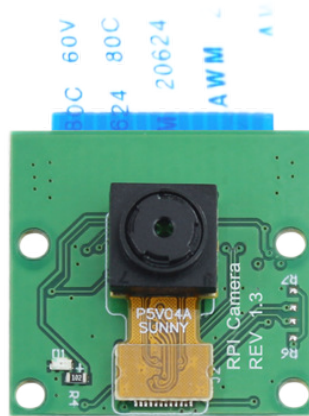

OV5647- 62 FOV IR Camera module
for Raspberry Pi 3B+4B

Datasheet



1. Key Specifications

Module No.	Raspberry Pi Camera
Module Size	25mm × 24mm × 7 ±0.2mm
Temperature (Operation)	-20°C to 70°C
Temperature (Stable Image)	0°C to 50°C
Assembly technique	SMT (ROSH)
Focus	Fixed
Object distance	30CM-∞
Resolution	800LW/PH (Center)
PCB printing ink	green
interface	15p-1.0 mipi
Working power supply	3.3v (pin15)
Operating system	Raspberry Pi
Package	Anti-electrostatic tray
Certifications	FCC and CE
Sensor Type	OV5647 (1/4")
Active Array Size	2592*1944
Sensitivity	600mV/Lux-sec
Pixel Size	1.4µm x1.4µm
Maximum Image Transfer Rate	15 fps for QSXGA;
Output formats	8/10bit RGB RAW output
S/N Ratio	34db
Dynamic Range	67db @8x gain
Package	CSP,Bare Die
Lens Type	
Lens Construction	4P+IR
F/No	2.8
EFL	3.2 mm
BFL(Optical)	2.7mm
FOV	62°
TV Distortion	<0.24%
Relative Illumination (Sensor)	70%
IR Filter	650±10nm
DSP Type	
AGC/AEC/Whiter balance	
Output Formats	
Fixed Pattern Noise	
Package	

2. Module Mechanical Dimension

