



Detector Character	
Detector Type	Vox
Resolution	640 x 512
Pixel pitch	12μm
Spectral Bandwidth (μm)	8~14μm
NETD (mk)	≤ 40mk (@F/1.0, 300K)
Frame Rate	Typ. 30Hz
Radiometric Parameters	
Operating Temperature	-20°C~70°C
Storage Temperature	-40°C~70°C
Humidity	≤90%
Optimum Radiometric Range	-20°C~+150°C
Radiometry Temperature Accuracy	±2°C (@Ambient: -20°C ~ 60°C ±2%)
Image Processing & Adjustment	
Non-uniformity Calibration	Dynamic Correction with Shutter 0.64s
Noise Reduction	3D noise reduction
Image Output	640 × 512
Color Palette	Black hot, white hot, iron red, rainbow
Contrast / Brightness	Manual
Video Format	MJPEG / YUYV
Power & Interface	
Working Voltage Range	DC 5.0V
Power Consumption	≤0.9W (Stable Condition)
Output	USB 2.0
Communication Methods	UART
Dimension	21 mm×21 mm×25 mm (core without lens)
Weight	<19g (core without lens)
Lens	9mm (standard) FOV 48.8° × 38.8° requires an M19 mount for installation