

CALIN

Detector Character	
Detector Type	Vox
Resolution	640 x 512
Pixel pitch	12μm
Spectral Bandwidth (μm)	8 ~ 14μm
NETD (mk)	≤40mk (@f/1.0, 300K)
Radiometric Parameters	
Operating Temperature	-30°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
Humidity	≤90%
Object Temperature Range	-20°C ~ +150°C
Radiometric Accuracy	±2°C (@Ambient : -20°C ~ 60°C ±2%)
Image Processing & Adjustment	
Non-uniformity calibration	shutter
Startup time	10s
Noise reduction	3D noise reduction
Image definition	640×512
Color Palette	Supports 10 color palettes including black hot, white hot, iron red, rainbow, etc.
Contrast, Brightness	Auto/Manual
Image Flip	Support
Image Enhancement DDE	Support
Power & Interface	
Working voltage range	DC 5.0V
Power consumption	0.9W (stable)
Digital output	USB 2.0 (25Hz)
Communication Methods	UART