

Article	Thermal imaging Module 640*480 ULIS GEN2	
specification		feature
Detector	detector(Ulis)	Uncooled amorphous silicon FPA
	FPA format/Pixel pitch	640*480/ 17um
	Sensivity	≤50mk at f/1.0 300K
	Frame rate	768×576
	Spectral range	8~14um
Image Processing	Self-adaption calibration	self-adaptive calibration(shutterless)
	Start-up time	< 3s
	Image enhancement	DDE
	Image display resolution	768×576
	Image frame rate	50Hz ( PAL )
	Lens(optional)	optional 12mm , 19mm , 35mm , 40mm , 50mm.....
Thermal imaging adjustment	Polarity	black hot & white hot/9 colors
	Digital zoom	x2, x4
	Brightness/Contrast	auto/manual
	Image reversal	horizontal/vertical
	crosshair	Yes
Power	Operation voltage range	DC: +2.5V~+5.5V
	Typical operation voltage	DC : 3.7V
	Power consumption	<0.9W
Environment	Operation temprature range	commercial use:-20°C~+60°C
		special use: -40°C~+60°C
	Non-operating temprature range	-45°C~+65°C
	Humidity	5%~95% Non condensing
	Shock	Vibration:GJB 150-16 2.3.1
		Axial:GJB 150-18 Test7 100g/6ms
Anti temprature impact	-5°C/min(-40°C~+60°C)	
Physical attributes	Weight	33g
	Size	24X24mm
Interface	External power input	Yes
	Digital video output	14bit(50Hz))/BT.656(customized)/USB
	communication	RS-232/RS-485
	Analogue video output	BNC(75Ω);Support dual video output
	Keyboard	5 buttons keyboard