

A3817SLS
Amorphous Silicon
No Shutter
Smaller Size
Thermal Imaging Module
Technical Data



JIANGSU ASCENDENT OPTRONICS INC.

Items	Technical Specification		
Type	A3817SLS		
Detector characteristic	Detector	Uncooled amorphous silicon FPA	
	Array format/Pixel pitch	384×288 / 17um	
	NETD	≤60mk@300K, 50HZ	
	Frame rate	50Hz	
	Spectral range	8~14um	
Image processing	Non-uniformity calibration	No shutter technology	
	Boot time	< 5s	
	Noise reduction	Digital filter	
	Image definition	768×576	
	Image frame rate	50Hz (PAL) /60Hz (NTSC) (Optional)	
Thermal imaging adjustment	Palette	Black/white hot, iron, rain bow 9 palettes	
	Mirror image	Horizontal/Vertical	
	Image zoom	×2, ×3,×4 or continuous zoom(step 0.1), optional	
	Contrast adjustment	Auto/manual	
	Brightness adjustment	Auto/manual	
	Digital detail enhancement	Auto/manual	
	Picture-in-picture	yes	
	Cross cursor	Show/hide/shift	
Power	Working voltage range	DC: +2.5V~+5.5V	
	Typical working voltage	DC: 3.6V	
	Power protection	Over-voltage/under-voltage/reverse-voltage protection	
	Power consumption	≤1.2W	
	Working temperature range	-40°C~+60°C	
	Storage temperature range	-45°C~+65°C	
	Humidity	5%~95% Non-condensing	
	Vibration&shock	Vibration: GJB 150-16 2.3.1	
		Shock: 400G 0.1ms	
Anti temperature impact	-5°C/min (-40°C~+60°C)		
Physical parameter	Weight	< 32g	
	Dimension (No lens and back cover)	28mm×28mm×24mm	
Interface	Power port	Yes	
	Serial port	RS-232	
	Analog video	BNC(75Ω)	
	Digital video output	RGB888	
	Keyboard	4 buttons keyboard	