



# D8XX SERIES MODULE

OEM thermal imaging cores for system integration

## Features



- DALI self-innovation detector ,cost effective
- Small & light with multiplle interface for easy integration
- High resolution, sharp image
- Low consumption
- Color palettes as option for better observation
- Perfect operational temperature adaptability: -40 C ~ +60 C



Series Module



DALI detector

## Application



# Specifications

	Items	D880A	D880B	D840
Detector characteristics	Detector type	Uncooled FPA microbolometer		
	Array size	384×288		640×480
	Pixel	25um	17um	17um
	Spectral range	8~14um		
	Temp control	TEC		
	NETD	≤60mK(f/1,300K,25-50Hz)		
Image characteristics	Thermal time constant	≤5ms		
	Frame rate	50Hz		
	Display resolution	768×576		640×480
	Analog video output	PAL		
	Digital Video	14-bit parallel CMOS/8-bit BT.656		
	Gain/Brightness adjustment	Manual brightness/gain ; auto brightness/manual gain; auto brightness/gain		
	Digital zoom	2X、3X、4X		
System characteristics	Calibration	Manual and Auto		
	Communication Protocol	DALI/PELCO-D protocol		
	Image Filter	YES, Digital filter		
	Polarity inversion	White/black hot mode		
Power supply	Colour	12 color palettes changeable		
	External power	DC 5V±0.2V		
Electrical interface	Power consumption	≤2W(normal atmospheric temp)		
	Power interface	YES		
	Analog video output	YES		
	Digital Video output (optional)	YES		
Environment	Serial port	TTL 3.3V		
	Operation temperature	-15°C ~ +50°C (Can expanded to -40°C ~ +60°C)		
	Storage temperature	-40°C ~ +70°C		
physical characteristics	Humidity	5~95%, Non condensing		
	Size (mm)	40×41×35mm		
	Weight	≤76g(including housing、shutter)		
	Lens mount interface	M34×0.75 ;screw thread		
	Mechanical interface	2×M3(four sides); screw hole		
	Electrical connector	26 pins connector(including cable)		

▲ The information contained in this document is subject to change without notice

## Dimensions

