



Micro-L compact thermal imaging camera module
 Intelligent machine vision camera modukle with temperature measurement (thermography)
 Compact, light weight and easy to integrate
 Windows / Linus / Android SDK available

Model	Micro L-640	Micro L-640P	Micro L-384
Detector Type	Uncooled VOx IR detector		
Resolution	640 x 512 pixels		384x 288 pixels
Pixel Size	14µm	12µm	17µm
Detector Frame Rate	30Hz	30Hz	50Hz
Spectral Band	8~14µm		
NETD with F#1.0 lens	≤50mK @ 25°C; ≤40mK optional		
TEC	None (uncooled)		
Brightness/Contrast Adjustment	Manual - Auto 0 - Auto 1		
Polarity	Black-hot / White-hot		
Multiple color palettes	18 different color palettes supported		
Image Processing	Non-uniformity correction (NUC)		
	Digital filtering noise reduction		
	Digital detail enhancement (DDE)		
Digital zoom	1,0 - 8,0 continuous zoom (step size 0,1)		
Temperature Measurement Range	-20°C - +150°C; 0°C - +550°C		
Gain Mode Switching	High gain / Low gain / Automatic switching		
Measurement accuracy	±2°C or 2% of reading		
Measurement tools	10 selectable fixed spots, high/low temperature full screen, center spot, analysis of 12 lines / spots / isotherms		
Optics	4mm, 5,8mm, 6,2mm, 9,7mm, 13mm, 19mm, 25mm, 35mm, 50mm		
Power Supply Range	4-6VDC typical service voltage		
	USB: 5-24VDC supported		
Power Protection	Overvoltage, undervoltage, and reverse connection protection supported by user extension component		
Power Consumption@25°C	<2W		
Video Output	1-channel PAL or NTSC system		
	14Bit or 10Bit LVDS H/F		
Serial Communication Interface	RS-232		
	UART(3.3V)		
Weight (without lens)	76 gram		
Dimensions (without lens)	44,5 x 43mm		
Operating Temperature	-40°C~+80°C		
Storage Temperature	-45°C~+85°C		
Humidity	5 - 95%, non-condensing		
Vibration	4,3G, random vibration, all axes		
Impact	40G, 11ms, final peak sawtooth wave, three axes and six directions		



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