



Micro 3L-640 / 384 / 256

Cherry seize, unique design, very compact. light weight, ultra low power consumption.

Thermography features, wide temperature measurement range, high sensitivity (NETD).

Intelligent image algorithm for image quality improvement and measurement accuracy.

Model	Micro 3L-640	Micro 3L-384	Micro 3L-256
Detector Type	Uncooled VOx IR detector		
Resolution	640 x 512 pixels	384 x 288 pixels	256 x 192 pixels
Pixel Size	12µm	12µm	12µm
Detector Frame Rate	25Hz	50Hz	25Hz
Spectral Band	8~14µm		
NETD with F#1.0 lens	≤50mK @ 25°C		
Brightness/Contrast Adjustment	Manual - Automatic		
Multiple color palettes	18 color palettes supported		
Image Processing	1,0 - 8,0 X continuous zoom (step size 0,1)		
	Digital filtering noise reduction		
	Digital detail enhancement (DDE)		
Reticle	Display - Blank - Move		
Temperature Measurement Range	-20°C - + 150°C; 0°C - 550°C		
Accuracy	±3°C or ±3% of reading		
Sensitivity (NETD)	0.04°C		
Power Supply Range	4-6VDC / 5-24VDC		
	5-24VDC supported		
Typical Supply	4VDC		
Power Protection	Overvoltage, undervoltage, and reverse connection protection supported by user extension component		
Typical	<1.0W (without extension component)	<0,9W (without extension component)	0,35W
Power Consumption@25°C	<1.2W (with extension component)	<1.1W (with extension component)	
Video Output	1-channel PAL or NTSC system BT.656 14Bit or 10Bit LVCMOS LVDS MIPI CameraLink (CL)		MIPI 2lane / 8bit LVCMOS
Serial Communication Interface	RS-232 UART(3.3V) RS-422		UART(1,8V)
Weight (without lens)	<20gram (±3g)		
Dimensions (without lens)	26×26×22mm		
Operating Temperature	-40°C~+80°C		
Storage Temperature	-45°C~+85°C		
Humidity	5 - 95%, non-condensing		
Vibration	6.06G, random vibration, all axes		
Impact	80G, 4m/s, final peak sawtooth wave, three axes and six directions		



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