



UIR80/160/384/640

UIR80/160/384/640 Professional Thermal Imaging Camera



Specification				
	UIR80	UIR160	UIR384	UIR640
Imaging and optical data				
IR Resolution	80x80	160x120	384x288	640x480
Focal Plane Array	Uncooled microbolometer/8~14um			
Field of View	17x17	29.8x22.6	24.6x18.6	24.6x19.8
Focal length	9mm	7.5mm	22mm	22mm
Spatial resolution	3.78mrad	3.33mrad	1.15mrad	0.77mrad
NETD(@25 °C,F#1.0)	<0.1 °C 100mK	<0.8 °C 80mK	<0.5 °C 50mK	<0.5 °C 50mK
Image Frequency/ Focus	50Hz/ Manual			
Measurement				
Object temperature range	-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F)			
Accuracy	±2°C (±3.6°F) or ±2% of reading			
Image adjustment				
Color palettes	Grey/Grey Inverted/IRON/Rainbow			
Brightness & contrast adjust	Auto/manual			
Imageing Algorithm	Intelligent image enhancement			
Interfaces				
Video output/ Digital output	Standard PAL/ 16 bit LVCMOS			
Communication interface	RS-232,UART(3.3V)			
Power/ Power consumption	9~12 VDC/ <1.8W @25 °C			
Options Lens				
11mm		20.6° x 15.5°	47.1°x 36.2°	
22mm	8 ° x 8 °	10.4° x 7.8°		
33mm		6.9° x 5.2°		
38mm			14.4°x 10.8°	
Size (HxWxD)	48x48x71mm		48x48x83mm	
Weight	178g		193g	

