


Model		UA01			UA02				UA03		
Photo											
Quote											
Specification											
Thermal sensor	Sensor type	VOX			VOX				VOX		
	Resolution	256×192			384×288				640×512		
	Pixel size	12μm			17μm				12μm		
	Working band	8~14μm			8~14μm				8~14μm		
	NETD	≤50mK @25℃, F#1.0, 25Hz			≤40mK @25℃, F#1.0, 25Hz				≤40mK @25℃, F#1.0, 25Hz		
	Thermal time constant	< 10ms			< 12ms				< 12ms		
	Frame rate	25Hz			50Hz				50Hz		
Non-uniformity correction	Automatic shutter correction			Automatic shutter correction				Automatic shutter correction			
Lens	Focusing method	Manual focus			Manual focus				Manual focus		
	Lens aperture	1.0			1.0				1.0		
	Focal length	6.8mm	10.0mm	13.0mm	4.6mm	6.8mm	9.1mm	13.0mm	6.8mm	9.1mm	13.0mm
	FOV(H*V)	25.46°×19.23°	17.46°×13.14°	13.48°×10.13°	141.91°×106.43°	96.00°×72.00°	39.46°×30.11°	28.19°×21.33°	58.91°×48.62°	45.76°×37.31°	32.91°×26.59°
	Focus range	> 0.5m	> 3.0m	> 5.0m	> 5.0m	> 5.0m	> 5.0m	> 5.0m	> 5.0m	> 5.0m	> 5.0m
Detection distance	Human	≤642m	≤944m	≤1227m	≤306m	≤666m	≤606m	≤866m	≤642m	≤859m	≤1227m
	Vehicle	≤944m	≤1389m	≤1805m	≤450m	≤892m	≤892m	≤1275m	≤944m	≤1263m	≤1806m
Recognition instance	Human	≤160m	≤236m	≤306m	≤76m	≤166m	≤151m	≤216m	≤160m	≤214m	≤306m
	Vehicle	≤236m	≤347m	≤451m	≤112m	≤223m	≤223m	≤319m	≤236m	≤315m	≤451m
System features	Optional color palettes	White hot			White Hot, Black Hot, Rainbow, Hot Metal, Yellow Saturated, Bird Watching Mode (default white hot)				White Hot, Black Hot, Rainbow, Hot Metal, Yellow Saturated, Bird Watching Mode (default white hot) <small>白热、黑热、彩虹、金属热、饱和黄色、观鸟模式(默认为白热)</small>		
	Hotspot tracking	/			Turn on or off (default is off)				Turn on or off (default is off)		
	Shutter time selection	/			30 seconds, 60 seconds, 90 seconds, 180 seconds, customized				30 seconds, 60 seconds, 90 seconds, 180 seconds, customized		
	Shutter time ustomization	/			30 seconds ~ 180 seconds, interval 10 seconds				30 seconds ~ 180 seconds, interval 10 seconds		
	Lanugae	/			Russian, English (default Russian)				Russian, English (default Russian)		
Differentiation line	Differentiation lines optional	/			Turn on or off				Turn on or off		
Video output	Format	PAL			PAL				PAL		
	Resolution	720×576			720×576				720×576		
Power	Operating voltage	5.0V±0.2V			5.0V±0.2V				5.0V±0.2V		
	Power consumption	0.4W(5V/80mA)			1.3W(5V/260mA)				1.3W(5V/260mA)		
Work/storage environment	Operating temperature	-20℃ ~ +50℃			-20℃ ~ +50℃				-20℃ ~ +50℃		
	Storage temperature	-30℃ ~ +70℃			-30℃ ~ +70℃				-30℃ ~ +70℃		
Dimensions/weight	Size(Bracket not included)	L21.5*W21.5*H30mm			L28.5*W28.5*H49.0mm(4.6)/41.38mm(9.1mm)/46.83(6.8mm)				L28.5*W28.5*H47.0(6.8)mm/41.43(9.1)		
	Weight(Bracket not included)	22g			65g				65g		