



FEATURES

- 400x300 VOx uncooled thermal sensor technology
- Athermalized Lens (thermal), Focus-free
- Support temperature measurement
- AI functions: heat detection, tripwire, intrusion, and human/vehicle classification
- Various lens optional (13/19/25/35mm)
- Supports 50 fps.
- Micro SD memory, IP67, PoE

TECHNICAL SPECIFICATIONS

Thermal Camera	Detector Type	Vanadium oxide uncooled focal plane detector			
	Effective Pixels	400(H)x300(V)			
	Pixel Size	17um			
	Thermal Sensitivity (NETD)	<40mK@f/1.0			
	Spectral Range	7~14um			
	Image Setting	Brightness/Sharpness/ROI/AGC/FFC/3D DNR			
	Color Palettes	14(Whitehot/Blackhot/Ironrow/Icefire/Fusion/Rainbow/Globow/Iconbow1/Iconbow2 .etc)			
Thermal Lens	Lens Type	Fixed			
	Focus Control	Athermalized, Focus-free			
	Focal Length	13mm	19mm	25mm	35mm
	Angle of View	H: 29.7° V: 22.3°	H: 20.4° V: 15.3°	H: 15.5° V: 11.6°	H: 11.1° V: 8.3°
	Effective Distance Man (1.8m*0.5m)	D: 450m R: 110m I: 60m	D: 640m R: 160m I: 80m	D: 1000m R: 250m I: 125m	D: 1300m R: 320m I: 160m
	Effective Distance Vehicle (2.3m*2.3m)	D: 1300m R: 350m I: 180m	D: 2000m R: 500m I: 250m	D: 3000m R: 720m I: 360m	D: 4000m R: 1000m I: 500m
Video	Compression	H.264/MJPEG			
	Frame Rate	Main Stream: 1280*1024 (default)/720P @1 ~ 25/30fps			
		Sub Stream: 640*512 (default)/320*256 @1 ~ 25/30fps			
	Bit Rate Control	CBR/VBR			
	Bit Rate	H.264: 640K ~8Mbps			
	Motion Detetion	Off/On (4 zone, Rectangle)			
	Region of Interest	Off/On (4 zone)			
	Digital Zoom	4x(19 levels)			
	Flip	180°			
	Mirror	Off / On			
	Privacy Masking	Off / On (4 Area, Rectangle)			
Intelligence	Heat Detection	Yes			
	Cold/Hot Spot Tr ace	Yes			
	Perimeter Prote ction	Yes. Supports tripwire and intrusion.			
	Target Distincti on	Human/Vehicle Classification			
Construction	Casing	Metal			
	Dimensions	291mm× 103mm× 97mm (11.46" x 4.06" x 3.82")			
	Net Weight	1.37Kg (3.02 lb)			
	Gross Weight	1.7Kg (3.75 lb)			
	Audio	Compression			
Intelligence	IVS	Tripwire, Intrusion, Object Abandon/Missing			
	Advanced Intelligent Functions	Fire detection & alarm			
Network	Ethernet	RJ-45 (10/100Base-T)			
	Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, ONVIF			
	Interoperability	ONVIF Profile S & G, PSIA, CGI			
	Streaming Method	Unicast/Multicast			
	Max. User Access	10 Users/20 Users			
	Edge Storage	micro SD (128GB) Memory status display (Normal/Error/Active/ Formatting / Lock), NAS (Network Attached Storage), Local PC for instant recording			
	Management Software	Smart PSS, DSS			
	Smart Phone	Android, Ios			
Certifications		CE; FCC			
Interface	Video Interface	1.0Vp-p/75Ω, PAL/NTSC (HDCVI Optional)			
	Audio Interface	Input/Output 1 Input / 1 Output			
	RS485	Support			
	Alarm	2/1 In/Out			
Electrical	Power Supply	12 VDC ± 20%, PoE (802.3af)			
	Power Consumption	Max. 13W			
Environmental	Operating Condition	-40°C ~ +60°C (-40°F ~ +140°F)/Less than 95% RH * Start up should be done at above -40°C (-40°F)			
	Storage Conditions	-40°C ~ +70°C (-40°F ~ +158°F)/Less than 95% RH			
	Ingress Protection	IP67			