

# ► Thermal Camera Specifications



Accurate to within  $\pm 0.3^{\circ}\text{C}$ , with TAF accuracy test certification



Simultaneous detection of up to 30 targets at 30 fps



Long monitoring distance of up to 3 meters from camera.



Automatically capture face to measure temperature



Model	Camera 1		Camera 2
Thermal Camera	Image Sensor	VOx Uncooled Thermal Sensor Technology	
	Effective Pixels	256(H) x 192(V)	Uncooled VOx Microbolometer 160(H) x 120(V)
	Pixel Size	12 $\mu\text{m}$	
	NETD	<50mk@f/1.1	
	Spectral Range	8~14 $\mu\text{m}$	7~14 $\mu\text{m}$
	Image Setting	Brightness/Sharpness/AGC/3D DNR	
Thermal Lens	Color Palettes	Rainbow	
	Lens Type	Fixed	
	Focus Control	6.0mm	
	Field of View	H:35°, V:27°	
Visible Camera	Image Sensor	1 / 2.9" 2MP Starlight Low Illumination CMOS Sensor	
	Effective Pixels	1920(H)x1080(V)	
	Electronic Shutter	1/1~1/30,000s	
	Min. Illumination	0.005Lux@F1.2 Color mode, 0.001Lux@F1.2(B/W)	Color: 0.005Lux@F1.2 / B/W: 0.001Lux@F1.2
	IR No.	1 array infrared light	
	IR Distance	Longest distance: 35M	
Visible Lens	IR Control	Auto /Manual	
	Lens Type	Fixed	
	Focal Length	4.0mm	
	Max. Aperture	F2.0	
Temperature Measurement	Angle of View	Horizontal Angle: 84°, Vertical Angle: 45°	
	Measurement Range	30°C~+45°C	
	Measurement Accuracy	Max $\pm 0.3^{\circ}\text{C}$ : (TAF Accuracy Certification)	Max $\pm 0.5^{\circ}\text{C}$
Video	Measurement Mode	Support detection of all monitoring area or specified area	Supports whole area and regional temperature measurement
	Compression	H.265/H.264	
	Frame Rate	Main Stream: 1920x1080 / 1280x720 Sub stream: 720x576 / 320x288	
	Bit Rate	640~8192Kbps	
	Day/Night	Auto(ICR)/Color/B/W	
	BLCMode	BLC/HLC/WDR	
	White Balance	Auto/Manual	
	WDR	$\geq 80\text{dB}$	
	Noise Reduction	2DNR3DNR	3D DNR
	Motion Detetion	Off/ On (4 zones, Rectangle)	
	Defog	Off/ On	
	Flip	180°	
	Mirror	Off/ On	
	Privacy Masking	Off/ On (4 zone, Rectangle)	
Audio	Compression	G.711a	
	Audio Input	1CH	
	Audio Output	1CH	
Alarm	Alarm Input	NO	
	Alarm Output	1CH	
Network	Network Port	1 x RJ45 1CH 10/100 Base-T Ethernet	
	Protocol	Support RTSP, RTP, TCP, UDP, UPNP, DHCP, PPPoE protocol etc.	
Electrical	Power Supply	DC12V	
	Power Consumption	$\leq 5\text{W}$	
Environmental	Operating Condition	-20°C~+55°C	
	Storage Condition	10°C~+40°C	
	Protection Level	IP65	
Construction	Casing	Metal	
	Body Color	White	
	Dimensions	90(H)x80(W)x190(L) mm	81(H)x101(W)x246(L) mm (with stand)
	Weight	<1Kg	
	Certification	CE, FCC, TAF Accuracy Certification	CE/FCC