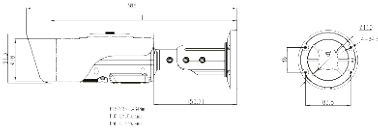


# Professional Thermal Camera

- 400×300 resolution IR detector
- IP66 rated for use in harsh environments.
- Intelligent software supports industrial temperature monitoring using spot, line and area measurement tools.
- The intelligent software allows the system to be used in a wide variety of areas.



INDUSTRIAL MAINTAINENCE



### SPECIFICATION

Models	IM400				
<b>Thermal camera</b>					
Detector Type	Uncooled VOx Focal Plane Arrays 400×300				
Resolution	400×300, Image can be scaled up to 704×576				
Pixel Pitch	17 μm				
NETD	≤40 mK				
Spectral Range	8~14 μm				
Lens Type	Fixed				
Focus Control	Manual Focus				
Focal Length	8mm	15mm	25mm	35mm	50mm
Aperture	F1.0	F1.0	F1.0	F1.0	F1.0
Angle of View	H: 46°, V:35.3°	H:25.5°, V:19.2°	H:15.4°, V:11.6°	H: 11°, V:9°	H: 7.7°, V:5.8°
Detection Distance (Fire:1×1m)	235m	441m	735m	1029m	1471m
Detection Distance (Humans:1.8×0.5m)	235m	441m	735m	1029m	1471m
Detection Distance (Vehicles: 4×1.5m)	722m	1353m	2244m	3137m	4510m
Recognition Distance (Humans:1.8×0.5m)	59m	110m	184m	257m	368m
Recognition Distance (Vehicles: 4*1.5m)	180m	338m	564m	789m	1127m
<b>Video and Audio</b>					
Main Stream	704×576 @ 25/30fps				
Sub Stream	CIF @ 25/30fps				
Bit Rate Control	CBR/VBR				
Bit Rate	Main stream: 100Kbps~6Mbps Sub stream: 10Kbps~1.5Mbps				
Region of Interest	Of/On (8 Zone, Rectangle)				
Smart Encode	Support				
Audio Compression	G.711 (8kbps), RAW PCM (16kbps)				

## Professional Thermal Camera

Image	
Image Setting	Brightness, Sharpness, Contrast
Mirror	Support
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes
DVE Image Enhance	Support
Noise Reduction	2D/3D DNR
Privacy Masking	Support
Smart Function	
Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm
AI Multi-object	Support human and vehicle detection
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles), People counting
Temperature Detection	
Temperature Detection	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C/ ±2%
Response Time	≤30ms
Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)
Temperature display mode	Temperature target >5°C, Display absolute temperature value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)
Network	
Protocols	IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Max. User Access	10 Users
Web View	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch input, 1ch output
Alarm Interface	2ch input, 2ch output
Rs485	Support
Reset Button	Support
SD Card Slot	Support, up to 128GB
General	
Power Supply	DC12V/AC24V/POE (IEEE 802.3af)
Power Consumption	Max 5W
Working Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Conditions	0~ 90% RH
Certifications	CE/FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	φ110 × 388 mm (φ4.33 × 15.28 inch)
Net Weight	1.8 kg (4.97 lb) with 15mm lens