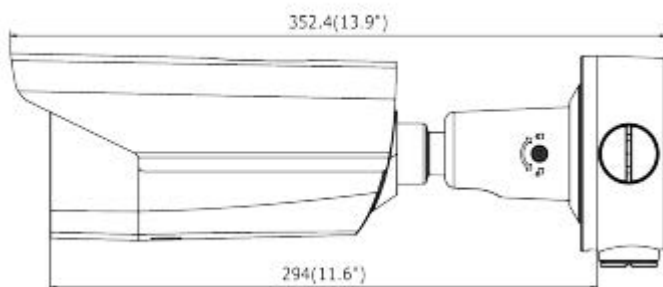


Thermal Bi-spectrum Network Bullet Camera w/6MM lens, +/- 8degrees W/SD Slot

- Max Resolution 160 × 120
- Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR
- Up to 15 palettes of adjustable colors
- Focal Length: 6mm
- Bi-spectrum image fusion, picture-in-picture preview
- Advanced fire detection algorithm
- Smart features like Line Crossing, intrusion, region entrance & exit



Dimensions



Technical Specifications

Thermal Module					
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays				
Effective Pixels	160 x 120 (the resolution of output image is 320 x 240)				
Lens (Focal Length)	6.2 mm				
Pixel Interval	17µm				
Response Waveband	8µm to 14µm				
NETD	Less than 40 mk (at 25°C, F#=1.1)				
MRAD	2.74 mrad				
Field of View	25° × 18.7° (H × V)				
Min. Focusing Distance	0.6 m				
Aperture	F1.1				
Features					
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the Ž ticÅ channel				
Picture in Picture	Combines all the details from the thermal image and the optical image PIP, creates an overlay of the thermal image on optical image				
IR Distance	Up to 40 m				
IR Intensity and Angle	Automatically adjusted				
DORI Distance	Coverage	Detect	VCA Range	Recognize	Identify
	Vehicle	559m (1834 ft)	126m (413ft)	140m (459ft)	70m (229ft)
	Human	182m (598 ft)	42m (138ft)	46m (151ft)	23m (75ft)
Video					
Compression	H.265/H.264/MJPEG, H.265+/H.264+ encoding with Baseline/Main/High Profile				
Main Stream	Visible Light: 50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) Visible Light: 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720) Thermal: 25fps (160 × 120 (the resolution of output image is 320 × 240))				
Sub Stream	Visible Light: 50Hz: 25fps (704 × 576), 25fps (352 × 288), 25fps (176 × 144) Visible Light: 60Hz: 30fps (704 × 480), 30fps (352 × 240), 30fps (176 × 120) Thermal: 25fps (160 × 120 (the resolution of output image is 320 × 240))				
Audio					
Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM				

*Design and specifications are subject to change without notice.

Technical Specifications

Intelligent Functions	
VCA (Video Content Analysis)	4 VCA rule types (Line Crossing, Intrusion, Region Entrance, and Region Exiting), up to 8 VCA rules.
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 regions, and 1 line).
Temperature Range	-20 °C to +150 °C (-4 °F to +302°F)
Temperature Accuracy	± 8 °C (± 14.4 °F)
Fire detection	Dynamic fire point detection, up to 10 fire points detectable.
Network	
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface, 1 RS-485 interface
Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20
Maximum User Access	Up to 32, 3 levels: Administrator, Operator, User
Security Measures	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering
Interface	
Alarm Input	2-ch inputs (0-5vDC)
Alarm Output	2-ch relay outputs, alarm response actions configurable
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
Audio Input	1 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p], output impedance: 1KΩ±10%
Audio Output	Linear Level; Impedance: 600Ω
Reset	1 Reset Button
SD Memory Card	Built-in Micro SD card slot, support Micro SD/SDHC/SDXC card (up to 128G), support manual/alarm recording
Analog Video Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC
Client	iVMS-4200
Web Browser	IE 9+, Chrome 31-44, Firefox 30-51, Safari 5.02+
General	
Power Supply	12 VDC± 20%; PoE (802.3af, class 4)
Power Consumption	12 VDC ± 20%: max. 12W; PoE (802.3af, class 4)
Working Environment	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 90% RH
Ingress Protection	IP66 TVS 6000V Lightning protection, surge protection, voltage transient protection
Weight	Approx. 1.5Kg (3.3lb)
Dimensions	352.4 mm × 113.5 mm × 114.7 mm (13.9" × 4.5" × 4.5")

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