ThermTec

ZS-HM3/6X Series

Dual Spectrum Bullet Camera

On-going updating AI-behavior analysis algorithm, temperature measurement and fire detection in the bullet camera,its widely used in perimeter security in residential and industrial areas, furthermore, with the high sensitivity infrared sensor NETD up to 25mk, sound-light interface and 4MP visible light so as to obtain more defined image.

Fire Detection Algorithm

Based on advanced fire detection algorithm to avoid fire incident,support temperature measurement with the RAW data simutaneously.

Perfect Software Access Capacity

Support kinds of network protocols for easily access third party platform: ONVIF,API,http,SDK etc.Perfect communication with Network Optix system.

Superior Environmental Adaptability

Ecellently applicable for extreme weather, including darkness, rain, fog, smog and etc, protection level IP67.

Powerful Behavior Analysis Algorithms

New generation video content analysis(VCA) function for high accuracy vehicle/human recognition.

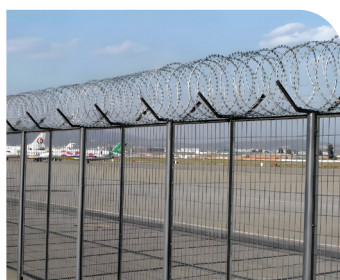### Advanced Auto-motorized On Thermal Image

Thermal image lens is to be auto-adjusting the focus to always keep defined thermal image output in any weather.

Intelligent Alarm Linkage

Support alarm linkage functions both VCA and fire detection events, as well as integrated inteface of the sound-light.

Applications

Perimeter protection   Solar power plant   Fire protection   Industrial park

Specifications

Thermal Module	HM3-X		HM6-X		
Detector	VOx Uncooled FPA				
Resolution/Pixel pitch	384x288/12µm		640x512/12µm		
NETD	≤25mK@ 25℃		＜35mK@ 25℃		
Spectral range	8-14µm				
Focus Method	Motorized				
Focal Length	7mm(HM3 only)	10mm	17mm	25mm	35mm
FOV — HM3	36.4°x 27.7°	25.9°x 19.6°	15.4°x 11.6°	10.5°x 7.9°	7.5°x 5.6°
FOV — HM6	/	42°x 34°	25.4°x 20.4°	17.5°x 14°	12.5°x 10°
Image adjustment	Auto/Manual adjustment for contrast ratio & brightness & acutance				
Uniformity correction	Auto/Manual shutter, background correxion				

Optical Module

Image Sensor	1/2.8" Progressive Scan CMOS			
Resolution	2592(H)×1536(V)			
Focal Length	4mm (HM3 only)	6mm	8mm(HM6 only)	12mm
FOV	80°x 56.7°	54°x 29°	41.4°x 23.9°	28°x 23.9°
IR Range	50m			

Image Effect

Thermal image process	AGC, IDE,3D DNR,HDR
Image fusion	Support
Color Palette	Optional 9 color palettes(rust, rainbow, white/black, etc.)
EIS	Mutually exclusive with all smart functions except VCA function on the thermal

Smart Function

VCA	4 VCA types for HM3 only (motion detection, cross line, intrusion, area entry and exit)
Fire Detection	Support
Temperature Measurement	3 temperature measurement rule types (points, areas, lines).
Temperature Range	-20℃~+ 135℃
Temperature Accuracy	± 8 ℃ (± 14.4 °F)

Video and Audio

Video Compression	H.264 / H.265
Main-Stream (Visible)	2688*1520, 2560*1440, 1920*1080, 1280*720, 720*576, 640*360, 704*288, 352*288
Sub-stream (Visible)	1920*1080, 1280*720, 720*576, 640*360,704*288,352*288
Main-Stream (Thermal)	1920*1080, 1280*960, 1280*720, 720*576, 384*288, 352*288
Sub-stream (Thermal)	1280*960, 1280*720, 720*576, 384*288, 352*288
Audio Compression	G.711A,G.711U

Network

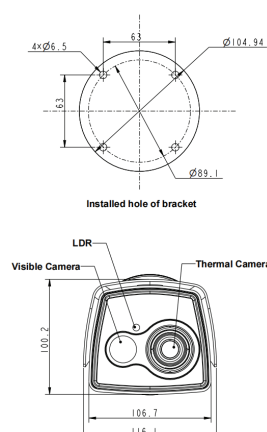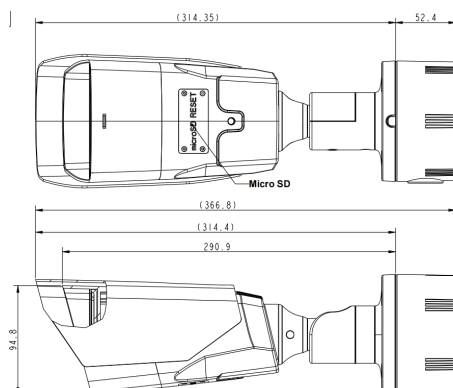|	
Protocols	IPv4/IPv6,HTTP,HTTPS,,FTP,DNS,NTP,RTSP,TCP,UDP, DHCP
API	ISAPI,SDK, third-party management platform（Network Optix）, ONVIF,Uniview
Common function	Hearbet, password protection, multi-user access control
Security	Support password protection, bonding MAC ID, IP filtration
Simultaneous Live View	10 channels
User/Host level	Up to 9 users, 3 levels: Administrator, Operator, General
Web Browser	Google Kernel Browser, Edge

Interface

Alarm	2x ch input, 2x ch output
Serial port	1x ch RS485
Audio I/O	1x ch input: impedance 35KΩ，amplitude 2V[p-p]; 1x ch output: impedance 600Ω, amplitude 2V[p-p]
Communication Interface	RJ45 10 M/100 M self-adaptive Ethernet
Storage	Micro SD up to 512GB

General

Web Client Language	English	
Power Supply	DC 12V/POE	
Power Consumption	＜2W(w/o IR & heater)	＜3W(w/o IR)
Work Temperature/ Humidity	-20℃~+60℃ (customizated -40℃), <90%RH	
Storage temperature	−45℃ ~ +75℃	
Protection	IP67	
Reliability	TVS 6000V lightning protection, surge protection, voltage transient protection	
Dimension	366mmx116mmx100mm	
Weight	＜2Kg	

Dimension

ThermTec Technology Co., Ltd.
Email: info@thermeyetec.com
Website: https://www.thermeyetec.com