HM2 Series

Outdoor IP Dual Spectrum Thermal Bullet Camera
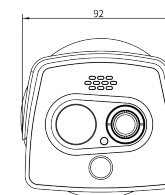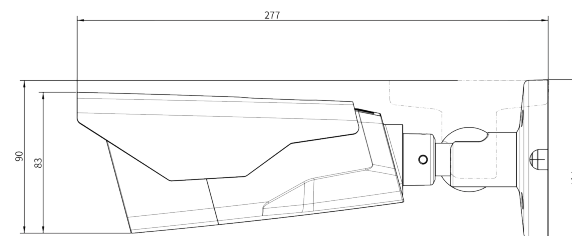
ThermTec

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Outdoor IP Dual Spectrum
Thermal Bullet Camera

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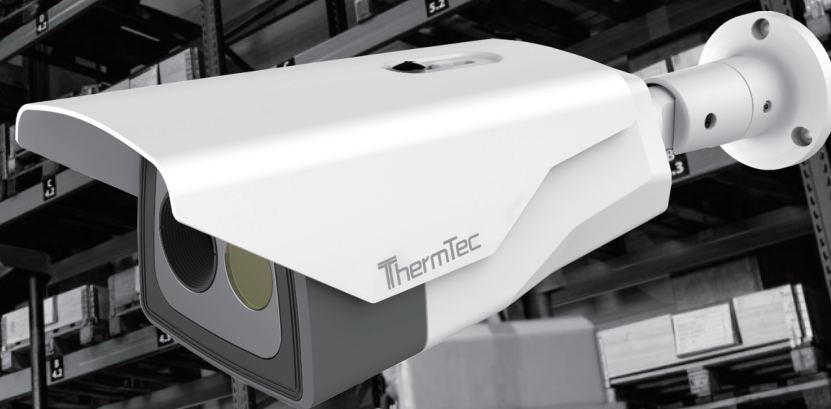
Product Features

- High image quality: 12μm thermal sensor, 4MP 1/2.8" CMOS visible sensor;
- Powerful behavior analysis algorithm: Line crossing, intrusion, region entry & exit;
- Thermal image smart function: Multiple targets types detection;
- Advanced fire/smoke detection algorithm;
- Excellent image enhancement: AGC, NUC, IDE, HDR, DNR
- Image effect: Image fusion, PIP;
- User-friendly platform: Standard ONVIF protocol, fast compatible with the third-party platform;
- Superior environmental adaptability: Applicable for extreme weather, including darkness, rain, fog, smog and etc.;
- Complete customizability.

Dimension

ThermalModule	HM2		
Resolution/Pixelpitch	256x192/12μm		
Spectral range	8-14μm		
NETD	≤35mK@25℃		
Focal Length	3.2mm	7mm	10mm
FOV	51.3x39.6	24.8x18.7	17.5x13.2
F Number	F1.1	F1.0	
Focus Method	Motorized		
Image Sensor	Uncooled FPA		
Color Palette	14 color palettes		
Anti-Sunburn	Support,But try to avoid using it against sunlight or hot targets		

Optical Module			
Focal Length	4mm	6mm	8mm
Focus Method	Fixed		
Image Sensor	1/2.8" Progressive Scan CMOS		
Day / Night	Auto / Color / B&W (IR CUT)		
IR Range	20m		
Resolution	4MP		
Min. Illumination	Color: 0.01Lux@(F1.5,AGCON) B/W:0.001Lux@(F1.5, AGCON)		

Image Effect	
Thermal image process algorithm	AGC, NUC, IDE, HDR, DNR
Picture in Picture	Support
Bi-spectrum Image Fusion	Display the details of optical channel on thermal channel

Smart Function	
VCA	4 VCA types (motion detection, cross line, intrusion, area entry and exit), max. 10 VCA rules
Sound and light alarm	Add speakers and flashing lights to realize sound and light alarm function
Temperature Measurement	3 temperature measurement rule types, 30 rules in total (10 points, 10 areas, and 10 lines).
Temperature Range	-20℃~+ 150℃ (-4 °F to + 302°F)
Temperature Accuracy	± 8 ℃ (± 14.4 °F)
Fire Detection	Support
Thermal image smart function	Human, vehicles, vessels, animals detection

Video and Audio	
Main-Stream (Visible)	25fps (2592*1536,1920*1080,1280*720)
Sub-stream (Visible)	25fps (1280*720,768*576,640*480,352*288，256*192)
Main-Stream (Thermal)	25fps (768*576,640*480,384*288,352*288)
Sub-stream (Thermal)	25fps (768*576,640*480,384*288,352*288)
Video Compression	H.265 / H.264

Network	
Protocols	IPv4, HTTP, HTTPS, FTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, ONVIF
API	SDK, third-party management platform, ONVIF and CGI
Simultaneous Live View	6 users
User/Host level	Up to 10 users, 3 levels: Administrator, Operator, General
Security	Support password protection, bonding MAC ID, IP filtration
Client	Support ThermTec platform, third-party VMS by ONVIF, etc.
Web Browser	Google Kernel Browser, Edge

Interface	
Alarm Input	1ch
Alarm Output	1ch
Communication Interface	RJ45 10 M/100 M self-adaptive Ethernet interface RS-485 interface

General	
Web Client Language	English
Power Supply	DC 12V,POE Supported
Power Consumption	3W(without heating)
Work Temperature/Humidity	-20℃~+75℃ (-4°F~+167°F), <95%RH
Protection Level	IP66TVS 6000V lightning protection, surge protection, voltage transient protection
Dimension	277mm×92mm×90mm
Weight	≤1.6Kg