

VTH-4M38X-150M-U

4MP Thermal Starlight Intelligent PTZ Camera 38x Zoom



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Specifications:

CAMERA					
Sensor	1/1.8", progressive scan, 4.0 megapixel, CMOS				
Min. Illumination	Color: 0.0005 Lux (F1.3, AGC ON) 0 Lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, shutter time: 1~1/100000 s				
WDR	120dB				
S/N	>55dB				
LENS					
Lens	5.7 ~ 216.6mm, AF automatic focusing and motorized zoom lens				
Digital Zoom	16				
Optical Zoom	38				
Iris	Auto/Manual; F1.3 ~ F4.6				
IR Range	Up to 150m (492ft)				
Field of View (H)	58.5°~ 2.1°				
Field of View (V)	35.0°~ 1.2°				
Field of View (D)	72.0°~ 2.5°				
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	5.7	97.5(319.9ft)	39(128.0ft)	19.5(64.0ft)	9.8(32.0ft)
	216.6	3030 (9940.9ft)	1212 (3976.4ft)	606 (1988.2ft)	303 (994.1ft)
THERMAL MODULE					
Sensor type	Vanadium Oxide Uncooled Focal Plane Arrays				
Max. Resolution	384*288				
Video format	720P(1280*720), Max 25fps				
Pixel size	17μm				
Response waveband	8~14μm				
NETD	≤50mk				
Lens(focal length)	50mm				
Field of View (H)	7.5°				
Field of View (V)	5.8°				
Field of View (D)	9.1°				
Focus	Auto/Semiautomatic/Manual				
Palette	Up to 20 palettes of optional color, including: white hot, lava, iron oxide red, hot iron, medical, arctic, rainbow 1, rainbow 2, rainbow 3, depict hot, ice hot, black hot, mazarine, fusion, red hot, green hot, color 1, color 2, rain, puce				
Detection Distance	Vehicle: 3480m (target size 4mx1.4m); human: 1395m (target size 1.8mx0.5m);				
Recognition Distance	Vehicle: 870m (target size: 4mx1.4m); human: 349m (target size: 1.8mx0.5m);				
Identification Distance	Vehicle: 497m (target size: 4mx1.4m); human: 199m (target size: 1.8mx0.5m);				
VIDEO					
Video Compression	Ultra265, H.264, MJPEG				
H.264 code profile	Baseline profile, Main Profile, High Profile				

Key Features:

- High quality image with 4MP 1/1.8" progressive scan CMOS sensor
- Up to 2688×1520 resolution,60fps
- 38x Optical zoom
- Ultra265, H.264, MJPEG
- 384*288 vanadium oxide uncooled focal plane arrays
- Smart intrusion prevention, support false alarm filtering, include CrossLine, Intrusion, Enter Area, Leave Area detection
- Smart IR, up to 150m (492 ft) IR distance
- 120dB True WDR
- 2D/3D DNR, ROI,ONVIF
- AC/DC24V, Wide voltage range of ±25%
- IP66
- PoE(IEEE 802.3bt)

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Frame Rate	Main Stream: 4MP (2688×1520): Max.60fps; Sub Stream: 2MP (1920×1080): Max.60fps; Third Stream: D1(720 x 576): Max.60fps;
HLC	Supported
BLC	Supported
OSD	Up to 8 OSDs
ROI	Up to 8 areas
Privacy Mask	Up to 24 areas
Motion Detection	Up to 4 areas
SMART	
Fire Detection (thermal mod-ule)	Support the detection of fire point in the environment and link the optical camera zoom tracking and alarm
Behavior Detec-tion (ther-mal module)	Support false alarm filtering, Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Exception Detection And Statistics	Object Removed, Object Left Behind, Auto-tracking
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
AUDIO	
Audio Compression	G.711U, G.711A
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8 KHZ
STORAGE	
Smart Encoding	Micro SD, up to 256GB
Face Capture	ANR, NAS (NFS)
NETWORK	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
PAN & TILT	
Pan Range	360° (endless)
Pan Speed	0.1°/s ~ 180°/s Preset speed: 300°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1° ~ 180°/s Preset speed: 240°/s
Number of Presets	1024
Patrol	Preset patrol, route patrol, recorded patrol
Home Position	Supported
INTERFACE	
Audio I/O	Audio cable Input: impedance 1kΩ; amplitude 2V [p-p] Output: impedance 600Ω; amplitude 2V [p-p]
Alarm I/O	2/1
Serial Port	1 RS485

SMART	
Video Output	N/A
Network	1 RJ45 10M / 100M Base-TX Ethernet
GENERAL	
Power	AC 24V, DC 24V ±25%, PoE++ (IEEE 802.3bt) (IEEE802.3bt switch required) Power consumption: Max 57W
Dimensions	270mm × 496.7mm (10.6" × 19.6")
Weight	10.22kg (22.53lb)
Working Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge protection	6KV
Ingress Resistant	IP66

Dimensions

