ThermTec

YS Series

Dual Spectrum Mini PTZ Camera

It is equipped to the AI behavior analysis algorithm (YS3 series only), temperature measurement and fire detection in the small size PTZ camera, embedded infrared illuminators and wiper, compact design and stable rotational speed.

Intelligent Fire Detection

Based on advanced intelligent algorithm to avoid fire incident.

Perfect Software Access Capacity

Support various types of network protocols for easy access to third party.

Superior Environmental Adaptability

Applicable for extreme weather, including darkness, rain, fog, smog and etc, protection level IP66.

Powerful Behavior Analysis Algorithm

Excellent VCA function with CH3 series: Line crossing, intrusion, region entry & exit.

Reliable Transmission Scheme

Not only high temperature resistance, but anti-low temperature, there is stabler working performance for the brushless DC serving motor.
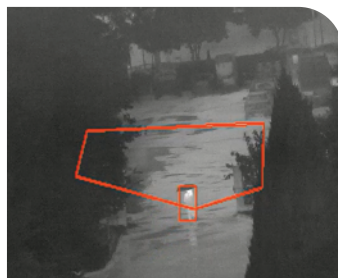
Applications

Perimeter Protection

Border Defender
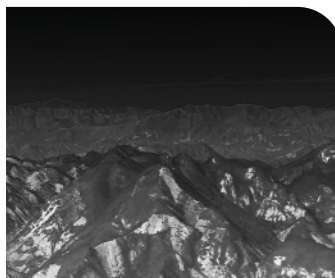
Fire Detection

Specifications

Thermal Module	YS3				YS6
Detector	VOx Uncooled FPA				
Resolution/Pixel pitch	384x288/12μm				640x512/12μm
NETD	<35mK@ 25°C				
Spectral range	8-14μm				
Focus Method	Manual/Motorized(auto focus)				
Focal Length	7mm	10mm	17mm	25mm	35mm
FOV — YS3	36.4*27.7	25.9*19.6	15.4*11.6	10.5*7.9	7.5*5.6
FOV — YS6	/	42*34	25.4*20.4	17.4*14	12.5*10
Image adjustment	Auto/Manual adjustment for contrast ratio & brightness & acutance				
Uniformity correction	Auto/Manual shutter, background correction				

Optical Module	
Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	1920(H)×1080(V)
Focal Length&Zoom	5.1-127.5mm, 25X
FOV	51.69-3.66(wide to narrow)

Image Effect	
Thermal image process	AGC, IDE
Color Palette	Optional 9 color palettes(rust, rainbow, white/black, etc.)

Smart Function	
VCA	4 VCA types for YS3 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°C
Temperature Accuracy	±8°C(± 14.4 °F)

PTZ	
Movement range	Pan:360° continuous; Tilt: -90°~+90°
Presets	200
Power Off Memory	Support

Pan speed	0.1°~100°/s
Tilt speed	0.1°~80°/s
Auto Horizontal Scan	Preset patrol / Auto line scanning & etc.

Video and Audio		
Video Compression	H.264 / H.265	
Main-Stream (Visible)	1920*1080,1280*720	
Sub-stream (Visible)	1280*720,768*576,640*480,384*288	
Main-Stream (Thermal)	768*576,384*288	640*512
Sub-stream (Thermal)	384*288	384*288
Audio compression	G.711	

Network	
Protocols	IPv4/IPv6,HTTP,HTTPS,,FTP,DNS,NTP,RTSP,TCP,UDP,DHCP
API	ISAPI,SDK, third-party management platform, ONVIF
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 Interface	Google Kernel Browser, Edge
Alarm	1x ch input, 1x ch output
Audio	1x ch input, 1x ch output
Serial port	1x ch RS485
Communication Interface	RJ45 10 M/100 M self-adaptive Ethernet
Storage	Embedded EMMC 16GB

General	
Web Client Language	English
Power Supply	DC9--36V,5A
Power Consumption Work	<20W
Temperature/Humidity	-20°C~+60°C, <90%RH
Storage temperature	−45°C ~ +75°C
Protection	IP66
Reliability	TVS 6000V lightning protection, surge protection, voltage transient protection
Dimension	320mm*170mm*170mm
Weight	<5.5Kg

Dimension
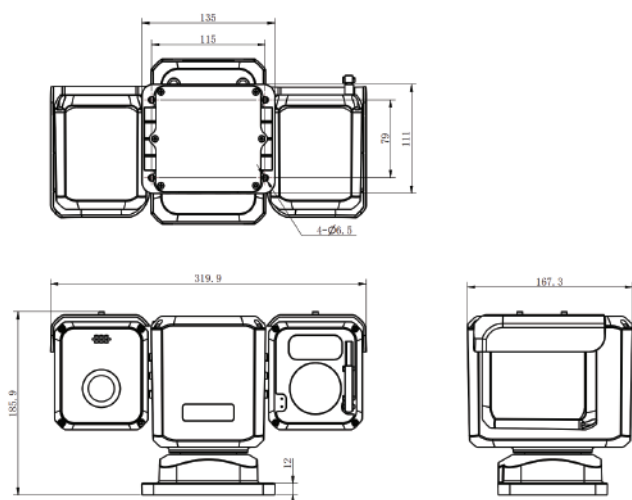
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