

ZS-Y Series

Short distance dual Spectrum PTZ Camera

Built-in new generation AI behavior analysis algorithm and fire detection in the Y series PTZ camera, embedded infrared illuminators and wiper, stable rotational speed for target detection.



Powerful Behavior Analysis Algorithm

Excellent VCA function inbuilt dual-spectrum PTZ camera : Line crossing, intrusion, region entry & exit.



Offset Self-Correction

Equipped with self-locking position function under the external interference.



Perfect Software Access Capacity

Support kinds of network protocols for easily access third party.



Multiple Focal Lengths Using

Thermal image lens type which includes manual or motorized lens to be chosen. The housing space up to 50mm motorized lens.

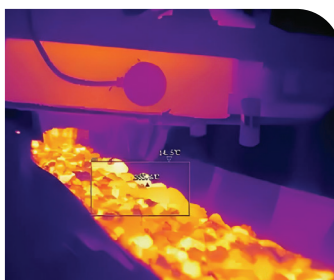
Applications



Perimeter fence



Vehicle mounted detection



Coal detection



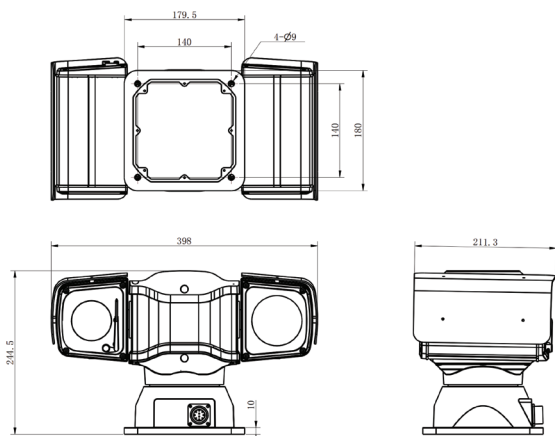
Electric power

Specifications

Thermal Module		Y3	Y6	
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		25mm	35mm	50mm
FOV	Y3	10.5°x 7.9°	7.5°x 5.6°	5.2°x 3.9°
	Y6	17.4°x 14°	12.5°x 10°	8.7°x 7°
Image adjustment		Auto/Manual adjustment for contrast ratio & brightness & acutance		
Uniformity correction		Auto/Manual shutter, background correction		
Optical Module				
Image Sensor		1/1.8” Progressive Scan CMOS		
Resolution		2688*1520		
Focal Length&Zoom		7.1-213mm, 30x optical zoom		
FOV		57.62°to 3.92° (wide to narrow)		
Image Effect				
Thermal image process		AGC, IDE		
Color Palette		Optional 9 color palettes(rust, rainbow, white/black, etc.)		
Smart Function				
VCA		motion detection, cross line, intrusion, area entry and exit		
Fire Detection		Support		
PTZ				
Movement range		Pan:360° continuous; Tilt: -90°~+90°		
Presets		200		
Power Off Memory		Support		

Pan speed	0.1°~20°/s	
Tilt speed	0.1°~10°/s	
Auto Horizontal Scan	Preset patrol / Auto line scanning & etc	
Video and Audio		
Video Compression	H.264 / H.265	
Main-Stream (Visible)	2688*1520,2560*1440,1920*1080,1280*960,1280*720	
Sub-stream (Visible)	1280*720,640*480,352*288	
Main-Stream (Thermal)	1920*1080, 1280*1024, 640*512	1920*1080, 1280*1024, 640*512
Sub-stream (Thermal)	640*512	640*512
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	Google Kernel Browser, Edge	
Interface		
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	DC12V,3A	
Power Consumption	<30W	
Work 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	398mm*212mm*244mm	
Weight	<7Kg	

Dimension



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