

ZS-TH Series

Middle & Long Distance Dual Spectrum PTZ Camera

It is equipped to the brushless DC serving motor, new generation AI behavior analysis algorithm, fire detection, optional wiper and infrared illumination, thermal image lens up to 180mm for middle & long distance detection.



High Accuracy PTZ

Equipped absolute-position encoder, which can insure accurate presetting without self-inspection anytime as never before.



Powerful Behavior Analysis Algorithm

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



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 choosed. The housing space up to 180mm motorized lens.

Applications



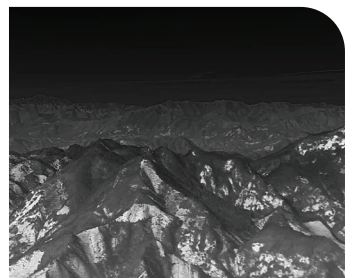
Perimeter protection



Fire protection



Coastal defense



Border defense

Specifications

Thermal Module	TH3	TH6
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	25-100mm	30-150mm 30-180mm
FOV	TH3	10.47°x 7.87° to 2.64°x 1.98°
	TH6	17.46°x 14° to 4.4°x 3.52°
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	10-550mm, 55x optical zoom
FOV	58.4°to 1.1° (wide to narrow)

Image Effect

Thermal image process	AGC, IDE
Color Palette	Optional 11 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: -55°~+60°
Presets	200
Power Off Memory	Support
Pan speed	0.2°~30°/s
Tilt speed	0.3°~13°/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
Sub-stream (Thermal)	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

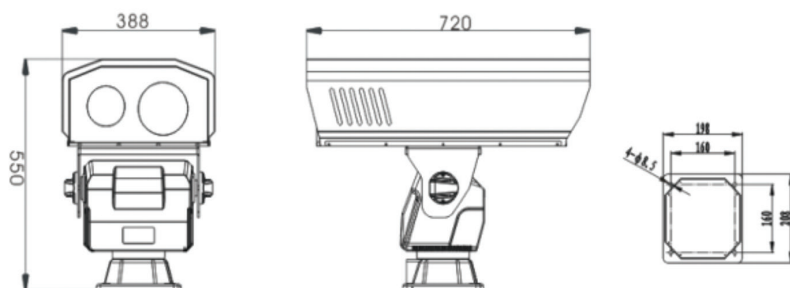
Interface

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
Laser ranging&lighting	Optional
Auto wiper	Optional
Power Supply	DC48V,5A
Power Consumption	<80W
Work Temperature/Humidity	-20°C~+60°C(customized -40°C), <90%RH
Storage temperature	-45°C ~ +75°C
Protection	IP66
Reliability	TVS 8000V lightning protection, surge protection, voltage transient protection
Dimension	720mmx388mmx550mm
Weight	<50Kg

Dimension



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