

ZS-QG Series

Dual Spectrum High Speed PTZ Camera

Highly defined image quality on bi-spectrum speed PTZ: 640*512 resolution, 12μm pixel pitch with thermal sensor, 4MP 1/1.8" CMOS for visible sensor, powerful behavior analysis algorithm: Line crossing, intrusion, region entry & exit.



Intelligent Fire Detection

Based on new generation advanced intelligent algorithm to avoid fire incident in advance.



High Sensitivity Infrared Sensor

Built-in high sensitivity infrared thermal image detector, resolution up to 640*512 which can realize clear infrared images without any light.



Perfect Software Access Capacity

Support kinds of network protocols for easily access third party VMS.



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 protection



Vessel detection



Traffic safety



Fire detection

Specifications

Thermal Module		QG3			QG6		
Detector		VOx Uncooled FPA					
Resolution/Pixel pitch		384x288/12μm			640x512/12μm		
NETD		≤40mK@ 25°C					
Spectral Range		8-14μm					
Focus Method		Manual/Motorized(auto focus)					
Focal Length		7mm (QG3)	10m m	17mm	25m m	35m m	50m m
FOV	QG3	36.4°x 27.7°	25.9° x 19.6°	15.4°x 11.6°	10.5° x 7.9°	7.5°x 5.6°	5.2° x 3.9°
	QG6	/	42°x 34°	25.4°x 20.4°	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	6-240mm, 40X
FOV	70.0°to 2.51°(wide to narrow)
IR Range	50m

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:-25°~+90°
Presets	200
Power Off Memory	Support

Pan speed	0.01°~200°/s
Tilt speed	0.01°~120°/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

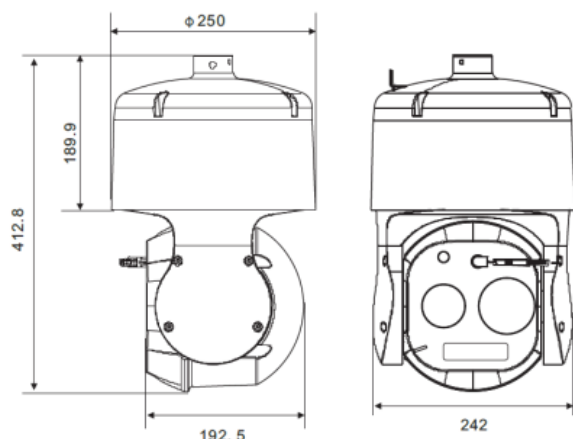
Interface

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	AC 24V,3A
Power Consumption	<36W
Work Temperature/ Humidity	-20°C~+60°C (customized -40°C), <90%RH
Storage temperature	-45°C ~ +75°C
Protection	IP66
Reliability	TVS 6000V lightning protection, surge protection, voltage transient protection
Dimension	Ø250mm*412.8mm
Weight	<6Kg(with bracket)

Dimension



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