

## ZS-TG Series

### Middle & Long Distance Dual Spectrum PTZ Camera

It is equipped to the brushless DC serving motor, inbuilt new generation AI behavior analysis algorithm and fire detection in the middle & long range PTZ camera, optional wiper, thermal image lens up to 75mm.



#### High Accuracy PTZ Structure

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



#### Powerful Behavior Analysis Algorithms

New generation image algorithms 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 chosen. The housing space up to 75mm motorized lens.

## Applications



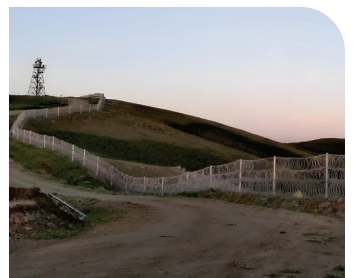
Perimeter security



Fire protection



Coastal defense



Border protection

## Specifications

| Thermal Module         | TG3                                                               |            | TG6          |            |
|------------------------|-------------------------------------------------------------------|------------|--------------|------------|
| 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           | 50mm                                                              | 75mm       | 50mm         | 75mm       |
| FOV                    | 5.2°x 3.9°                                                        | 3.5°x 2.6° | 8.7°x 7°     | 5.9°x 4.7° |
| 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      | 6.6-264mm, 40X                                                    |            |              |            |
| FOV                    | 57.62°x 2.95°(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: -70°~+45°                              |            |              |            |
| Presets                | 200                                                               |            |              |            |
| Power Off Memory       | Support                                                           |            |              |            |
| Pan speed              | 0.4°~40°/s                                                        |            |              |            |
| Tilt speed             | 0.2°~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,<br>640*512                | 1920*1080, 1280*1024,<br>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                                |

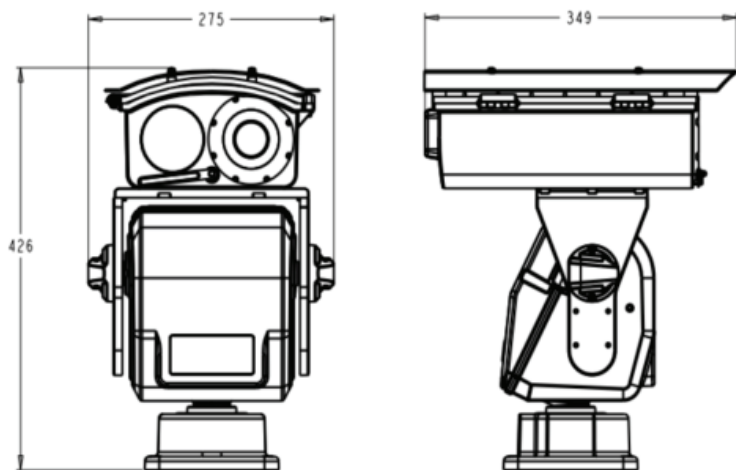
### Interface

|                         |                                        |
|-------------------------|----------------------------------------|
| 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                                                                        |
| Wiper                     | Optional                                                                       |
| Power Supply              | DC24V,5A                                                                       |
| Power Consumption         | <30W(with heater)                                                              |
| 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                 | 349mmx275mmx426mm                                                              |
| Weight                    | <20Kg                                                                          |

## Dimension



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