



TSN-IR150 Infrared Thermal Imaging Camera



Introduction

- Adopt the fourth generation of uncooled focal plane infrared detector, NETD at 50mk, easy to find objects
- First develop continuous zooming infrared lens: 75~150mm continuous optical zooming, max 5x
- Special compensation circuits: No need of TEC, low power consumption
- DDE technology: easy to find hidden objects
- Special Image processing technology: flat image with no noise, 10 pseudo color and 2 formats: hot black/hot white
- Start quickly: 2s driving time
- Power Supply: AC220V/AC24V/DC12V (optional)
- High aluminum alloy shell: with nitrogen inside; can work under harsh environment

Main Use

- Frontier and coast defence, Military/Police, Border defense
- Oilfields, Railways, Airports, Harbors, Fireproofing, Large areas real-time monitoring

Effecting Distance	<p>Detecting distance: 6600m for vehicles, 2400m for people in total darkness;</p> <p>Recognition distance: 1650m for vehicles and 600m for people in total darkness;</p> <p>Identification distance: 870m for vehicles and 300m for people in total darkness.</p>
Detector	<p>fourth generation of uncooled focal plane infrared detector;</p> <p>resolution at 324x256 pixels;</p> <p>spectrum range 8~14μm;</p> <p>NETD 50mk</p>
Lens	<p>Focal length: 75mm~150mm, 2x continuous optical zooming;</p> <p>F=1.2;</p> <p>FOV: 4.6°x3.5°~9.3°x7°;</p> <p>GE or Zn-Se material;</p> <p>Electric focusing</p>
Image Processing	<ol style="list-style-type: none"> 1. Built-in correcting circuits, no need of TEC; working temperature -40~+75°C, good picture uniformity 2. Dynamic Detail Enhancer(DDE) 3. 10 pseudo color and hot black/hot white formats 4. Automatic Gain Control(AGC) technology 5. 2x digital magnification
Interface	<ol style="list-style-type: none"> 1. RS485(PELCO D protocol, Baud rate 2400bps/s), RS-232(optional) 2. OSD menu 3. PAL compound video output 4. AC220V/AC24V/DC12V(optional) 5. waterproof navigation outlet
Size and Weight	<ol style="list-style-type: none"> 1.size: 330mm x 172mm x 160mm 2.weight: 4.5Kg
Others	<ol style="list-style-type: none"> 1.working temperature: -25°C~+60°C 2.storage temperature: -40°C~+85°C 3. under PH6.5~7.2, continuous spraying fog for 48 hours 4. power consumption: 8w(normal) 5. anti-vibration 15m/s² 5~200Hz 6. anti-impact: 150m/s²1ms

Effect Demo

2km Factory



1km People



20km Plane

