产品概述

HIRDA-LT high protection infrared thermal imaging detection and analysis system is an infrared thermal imaging product specially used in harsh environment. The system mainly consists of infrared thermal imaging camera core, infrared lens, metal protective cover, thermal imaging control cabinet, image algorithm server and client software.

产品特征

1, The working temperature range is wide, which can work in the ambient temperature of-20℃~+60℃;

2, High protection level, the highest protection level can reach IP66;

3, Not dependent on the system platform, you can directly log in to the web page to access images and configurations, and can directly output alarm signals to PLC or alarm;

4, Electric/automatic focus adjustment, focus operation can be carried out at any time through software;

5, The temperature range can be customized, up to -20℃ to 2500℃;

6,Supports modbus protocol, which can be connected to DCS system for temperature data transmission.

产品规格

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| model | PDG190-NSxxEx  (Single Infrared) | | P DG 3 00- NSxxEx  (Single Infrared) | | | P SG350- NSxxEx  (Bi-lum) | |
| product picture | PDG190--0-1 (4) | | PDG300 | | | 04 | |
| Visible light resolution | - | | | | | 200W、400W | |
| Visible light ratio | - | | | | | 18X、25X、30X | |
| Infrared resolution | 384× 288 | 640× 480 | 384× 288 | 640× 480 | | 384× 288 | 640× 480 |
| Infrared lens selection | 8、13、25、35 | 8、19、25、35 | 8、13、25、35 | 8、19、25、35 | | 8、13、25、35 | 8、19、25、35 |
| Infrared field of view | 45°、25°、15°、10° | | | | | | |
| Infrared wavelength range | 8～14μm | | | | | | |
| Thermal sensitivity (NETD) | ≤50mk@30℃ | | | | | | |
| frame frequency | 25Hz | | | | | | |
| focus | Electric/automatic | | | | | | |
| Image algorithms | Gamma correction and enhancement algorithm | | | | | | |
| temperature measurement accuracy | ±2℃ or ±2% | | | | | | |
| Temperature measurement range | -20℃ ~ 1600℃ (segmented), which can be extended to 2500℃ | | | | | | |
| Video compression format | H.264/H.265 | | | | | | |
| data type | H264, H265,16Bit original temperature data | | | | | | |
| Network standards | Gigabit network/adaptive 10M/100M/1000M | | | | | | |
| Agreement supported | IPv4/IPv6、 TCP、UDP、NTP、HTTP、RTSP、RTP、ICMP、WebSocket、 ONVIF | | | | | | |
| Temperature output | Supports analog 4--20m A, RS485, Modbus TCP/RTU | | | | | | |
| External trigger | Support RS485 level, TTL level | | | | | | |
| levels of protection | IP66 | | | | | | |
| size | PDG300-NS：Φ 145mm× 305 mm  PDG190-NS：193mm×92mm×85mm | | | | 346mm× 246 mm×145mm | | |
| way to install | Equipped with a gimbal stand | | | | | | |
| weight | PDG190-NS≤ 1 Kg  PDG300-NS≤ 3 Kg | | | | ≤ 5 Kg | | |
| working temperature | -20℃～+60℃ | | | | | | |

公司介绍

Since its establishment in 2018, Wuhan Huajingkang Optoelectronics Technology Co., Ltd. has been deeply engaged in the research and development and application of infrared thermal imagers, serving many fields such as medical health, metallurgy, chemical industry, new energy, laser technology, etc. The company has won ISO9001 and medical device certification. We are committed to exceeding customer expectations and needs through excellent product quality and service quality.

软件展示



1, Real-time display of full radiation heat map and high-definition visible light video;

2. Up to 32 temperature measurement objects can be drawn, such as point, line, circle, rectangle, polygon;

3, 3D temperature field and isotherm display, temperature distribution more intuitive;

4, Up to 12 color palettes, suitable for more application scenarios;

5, Maximum temperature, minimum temperature, average temperature multi-point temperature tracking;

6, Supports up to 32 devices online at the same time; automatic reconnection when disconnected;

7, Temperature correction can be made by adjusting the emissivity, reflection temperature, distance and secondary calibration;

8, Store short video, photos and temperature information and other logs when alarm is raised for easy query after the event;

9, User permissions can be set in a hierarchical manner.