**HC8256R/W**

**Binocular industrial temperature measurement camera**



* Industrial grade thermal imaging temperature measurement module, thermal imaging 256x192 resolution
* Temperature measurement range: -20~+550 ℃, temperature measurement accuracy: ± 2 ℃ or ± 2% of reading
* Thermal imaging pixel size 12 μ m. Thermal sensitivity<50mk (@ 25 ℃)
* 4 million high-definition image sensors for better visibility into details
* Supports the proportional fusion of visible light and thermal imaging images, presenting exciting scenes 24 hours a day
* Supports multiple intelligent algorithms: smoke and fire detection, temperature detection, and other intelligent alarms
* Support multiple pseudo color modes: iron red, white hot, black hot, yellow blue pseudo color, and other modes
* Supports multiple temperature measurement area settings. If the set temperature threshold is exceeded, an alarm signal will be automatically pushed and associated with an alarm prompt tone
* Supporting standard ONVIF and GB28181 national standard protocols, excellent compatibility, and convenient access to backend platforms
* Supporting HTTP and MQTT push, providing protocol documents to connect with backend platforms

**Technical specifications:**

|  |  |
| --- | --- |
| **Thermal Module** | |
| Image Sensor | Vanadium oxide uncooled infrared focal plane detector |
| Max. Resolution | 256 × 192 |
| Pixel Interval | 12 μm |
| Response Waveband | 8 μm to 14 μm |
| NETD | <50mk @25℃ |
| Lens (Focal Length) | 4mm |
| Field of View | 56º±1º |
| Aperture | F1.0 |
| Pseudo color mode | Iron red, white heat, black heat, yellow blue, etc |
| **visible light** | |
| sensor type | 4.0MP 1/2.7' Progressive Scan CMOS |
| resolution ratio | 2560\*1440 |
| Minimum illumination | 0.001Lux |
| Visible lens focal length | 3.6mm |
| Day Night Conversion Mode | ICR infrared filterICR infrared filter |
| WDR | 79dB |
| Infrared irradiation distance | Up to 30 meters away |
| **Image function** | |
| Dual light fusion | Support the fusion of visible light image information in thermal imaging channels, improving the details of thermal imaging channels |
| Intelligent information overlay | Support stacked heating imaging information in visible light channel images, such as temperature measurement rules and values |
| Intelligent detection | Supporting human form, smoking, making phone calls, fireworks, etc |
| Linkage alarm | Supports local alarm tone prompts and HTTP push |
| **Temperature measurement function** | |
| Temperature abnormal function | Full screen temperature measurement, regional temperature measurement |
| Measuring range | : -20 ℃~550 ℃ |
| Temperature measurement accuracy | Low temperature range ± 2 ℃ or high temperature range ± 2% |
| **compression standard** | |
| Video | H265/H264 |
| Audion | PCM/G711/G726 |
| **Image Resolution** | |
| Main Stream | 2560\*144/2304\*1296/1920\*1080@25fps |
| Sub Stream | 640\*480/480\*360/240\*240@25fps |
| **General Protocol** |  |
| network protocol | IPv4,HTTP,FTP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,DHCP,MQTT |
| interface protocol | ONVIF protocol, GB28181 |
| **Interface** |  |
| Network interface | 1 RJ45 interface 10/100M adaptive Ethernet port |
| RS485 interface | 1ch |
| SD card storage | 1 built-in SD card slot |
| reset key | 1 reset key |
| **General** |  |
| power supply | DC 12V / POE |
| Working temperature and humidity | ‐20℃~50℃，<95% RH |