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| --- | --- | --- |
| Model | FNT-A312 | FNT-H612 |
| Detector performance parameters | | |
| Type of Sensor | VOx uncooled thermal FPA | |
| NETD | [35 mk@300K](mailto:35mk@300K) | |
| Resolution | 384 x288 | 640 x512 |
| Pixel size | 12μm | |
| Frame frequency | 50HZ | 25HZ |
| Wave length | 8-14μm | |
| Optical details | | |
| Focal Point | mm/9.5mm/10mm/15mm/19mm/25mm 5.7 | |
| Focus mode | Fixed focus (optional auto focus) | |
| Field of view angle/focal length | 59.6°x46.5°/5.7mm |  |
| 37.8°x28.9°/9.5mm | 47°x57°/10mm |
| 36.2°x27.5°/10 mm | 39.9°x32.6°/15mm |
| 24.6°x18.5° /15mm | 39.9°x32.6° /19mm |
| 14.9°x11.2°/25mm | 24.6°x19.8°/25mm |
| Image Regulation | | |
| Polarity | Black/white heat | |
| False colors | Support for multiple fake colors | |
| Brightness and contrast adjustment | Manual mode/automatic mode | |
| Reticle | Display / blanking / moving (support for customization) | |
| Digital magnification | 1.0x-4.0 x | |
| Image processing | Digital filter noise reduction/digital detail enhancement | |
| Temperature measurement function | | |
| Scope of temperature measurement | -20℃+150℃,0℃-350(optional) | |
| Accuracy of temperature measurement | ±3℃ or 3 per cent | |
| Temperature measurement method | Support global, point, line, rectangle and other temperature measurement methods | |
| Power supply | | |
| Power supply range | DC:12V | |
| Power protection | Reverse protection | |
| [Typical power consumption](mailto:典型功耗@25℃) | <5 W@25℃ | |
| External interface | | |
| Analog video output | Analog one output | |
| Network interface | RJ45 10M/10 0 M/10M/10 00 M Adaptive Ethernet | |
| Alarm Interface | IO port alarm | |
| Serial Communication Interface | RS485 | |
| Power interface | 12V DC | |
| Agreement | | |
| Network protocol | Ethernet/IP, TCP, UDP, RTSP, HTTP, ICMP, SMTP, DHCP, UPnP, PPPOE | |
| Ethernet | Control and transmission of images | |
| Interface Protocol | Custom ONVIF、GB28181 support | |
| Video compression standard | H.264/H.265 | |
| Video format | mp4 | |
| Alarm | | |
| Alarm function | All temperature measuring points, maximum, minimum and average temperatures in all temperature measuring areas can be configured with separate alarm outputs | |
| Alarm mode | Sound alarm (I/O output), screenshots | |
| Physical characteristics | | |
| Weight | Physical | |
| Size | Physical | |
| Environmental adaptability | | |
| Working temperature | —20℃-+55℃ | |
| Storage temperature | —40℃-+70℃ | |
| Humidity | 5-95%, no condensation | |
| Sealing grade | IP56 | |
| Secondary development | | |
| SDK | Windows/Linux SDK development kits and instructions | |
| Environmental directives | | |
| ROHS2.0 | Yes | |