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| Model | FNT-A312 | FNT-H612 |
| Detector performance parameters |
| Type of Sensor | VOx uncooled thermal FPA |
| NETD | 35 mk@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  | <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 |