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| **Infrared Network Themometer** |
| **Model#** | **FNT-H617-W25-V01** |
| **Sensor Performance** |
| Sensor type | VOx Uncooled FPA |
| NETD | 40mk@300K |
| Resolution | 640x512 |
| Pixel pitch | 17um |
| Frame Rate | 25Hz |
| Wavelength | 8-14um |
| **Optical performance** |
| Focal length | 5.7mm/9.5mm/10mm/15mm/19mm/25mm |
| Focusing | Fixed focus (optional auto focus) |
| **Image processing** |
| Image polarity | Black hot/white hot |
| Pseudocolor | Support multiple pseudo colors |
| Brightness/contrast | Manual/Automatic |
| Reticle | Display/blanking/moving (Customizable) |
| Electric Zoom | 1.0-4.0x continuous zoom |
| Image processing | Digital filter noise reduction/DDE |
| **Temperature measurement function** |
| Temp measurement range | —20℃-+150℃、0℃-410℃（Optional） |
| Temp measurement accuracy | ±2℃or ±2% |
| Temp measurement method | Support global, point, line, rectangle, etc. |
| **Power Supply** |
| Voltage range | 12V DC |
| Power protect | Reverse connection protection |
| Typical power consumption | ＜5W@25℃ |
| **External interface** |
| Analog video output | 1 channel video |
| Network interface | RJ45 10M/100M/1000M adaptive Ethernet |
| Alarm interface | IO port alarm |
| Serial communication interface | RS485 |
| Power connector | 12V DC |
| **Protocol** |
| Network protocol | Ethernet/IP,TCP,UDP,RTSP,HTTP,ICMP,SMTP,DHCP,UPnP,PPPOE |
| Ethernet | Control and transmission of images |
| Interface protocol | Support customized ONVIF、GB28181 |
| Video compression standard | H.264/H.265 |
| Video format | mp4 |
| **Alarm interface** |
| Alarm function | All temperature measurement points, the highest temperature, lowest temperature and average temperature in all temperature measurement areas can be configured with separate alarm outputs |
| Alarm mode | Sound alarm (I/O output), screenshot |
| **Physical characteristics** |
| Weight | Subject to the actual product |
| Dimension | Subject to the actual product |
| **Environmental adaptability** |
| Working temperature | —20℃-+55℃ |
| Storage temperature | —40℃-+70℃ |
| Storage humidity | 5-95%，No condensation |
| Sealing grade | IP56 |
| **Secondary development** |
| SDK | Windows/Linux SDK development kit and user guide available |
| **Environmental requirement** |
| ROHS2.0 | Yes |