# ThermTec

# iThermal-S3/6

## IP Thermometry  Thermal Imaging Core

iThermal-S is equipped to the accurate temperature measurement infrared thermal imaging core, it is special design with accurate thermometry so as to be suitable for multiple ambient temperatures.

### Surroundings Well-Adapted

Suitable for multiple surroundings, especial temperature measurement structural design.

### Diverse Lens Types Optional

Kinds of especial temperature measurement lens to be matching.

### Perfect Software Access Function

Powerful SDK for easily integrated to third party, support thermometry RAW data output.
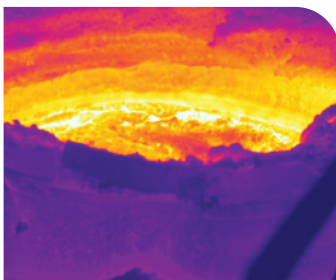
### Dual Video Outputs

IP and analog video outputs, equipping standard BNC and RJ45 video interfaces.
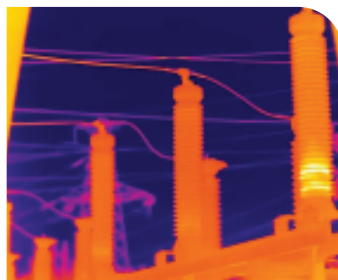
### Abundant Image Modes

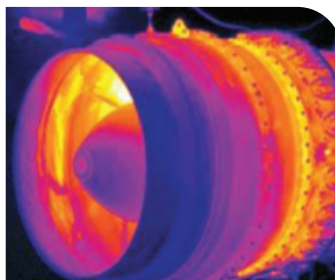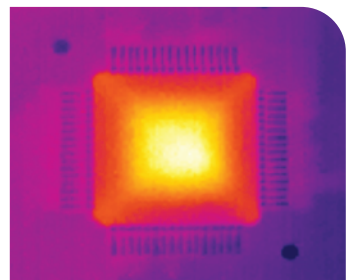Advanced image algorithm, support HDR, WDR, linear IDE image modes etc.

## Applications

Energy & Chemical     Electricity Inspection     Scientific Research     Industrial Inspection

# Specifications

| Model | iThermal-S3 | iThermal-S6 |
|---|---|---|
| Detector | Uncooled a-Si infrared  FPA | |
| Resolution/Pixel pitch | 384x288/17μm | 640x480/17μm |
| Spectral range | 8~14μm | |
| NETD | ≤50mk@300K | |
| Focus method | Athermalization&motorizated | |
| Focal Length | 6.6mm（iThermal-T3 only),9.6mm,15mm,19mm,25mm etc,. Motorized：15mm,25m. | |
| Sun protection | Support, but as less as toward sun | |
| Image Effect | | |
| Image adjustment | Auto/manual adjustment for contrast ratio & brightness & acutance | |
| Uniformity correction | Auto/manual shutter correction | |
| Noise reduction | 3DNR | |
| Image process | IDE,HDR,Linear model | |
| Palette | 9 colors opted( rust, rainbow, white/black, etc.), palette customizable | |
| Measurement temperature | | |
| Temperature Range | -20℃~+400℃ | |
| Accuracy of measurement | ±2℃/±2%（max) | |
| Measurement method | Point/Line/Area/Frame etc,. | |
| Raw data | Yes | |

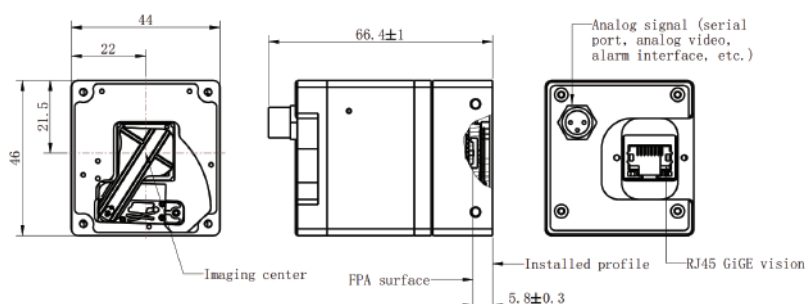| Network | | |
|---|---|---|
| Video compression | H.264 | |
| Main-Stream | 25fps (720*576) | 25fps (640*480) |
| Sub-stream | 25fps (352*288) | 25fps (352*288) |
| Protocol | TCP/IP,ICMP,HTTP,DHCP,DNS,RTP,RTSP,RTCP,IGMP,802.1X ,ONVIF(ProfileS) | |
| API | SDK, third-party management platform, ONVIF | |
| Common function | Hearbet, multi-user access control | |
| Security | Support password protection, bonding MAC ID, IP filtration | |
| Simultaneous Live View | Up to 10 channels | |
| User/Host level | Up to 10 users, 3 levels: Administrator, Operator, General | |
| Interface | | |
| Power port | DC12V （+9V~+15V) | |
| Ethernet port | RJ45 10 M/100 M/1000 M self-adaptive Ethernet | |
| Serial port | 1x RS232, 1x RS485 | |
| Analog video | CVBS(75Ω)PAL | |
| Alarm | 1x ch input, 1x ch output | |
| Storage | Micro-SD(FT) up to 64GB | |
| General | | |
| Working temperature & humidity | -20℃~+60℃，＜90%RH | |
| Storage temperature | −45℃ ~ +65℃ | |
| Power consumption | <3W | |
| Size | 66.4mm*44mm*46mm （w/o lens) | |
| Weight | <300g （w/o lens) | |

# Dimension



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