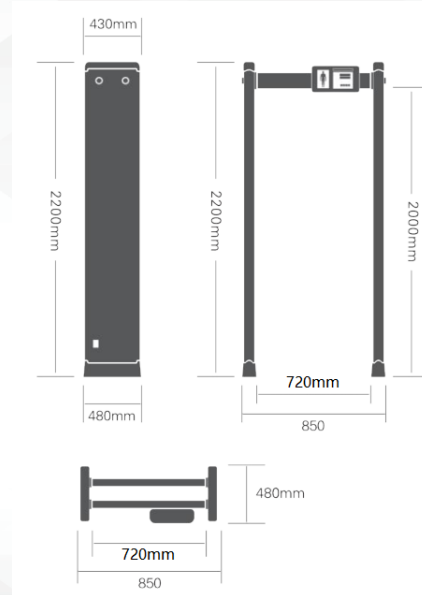


# ISD-SMG318LT-F

## Temperature Measurement Walk-Through Detector

**HIKVISION**<sup>®</sup>



### Description

ISD-SMG318LT-F walk-through metal detector, adopting the thermographic technology, realizes contactless temperature screening. AI detection function of the camera makes an accurate positioning of the skin-surface. The detector also supports metal detection.

It is suitable for safety inspection of dangerous goods and is widely used in public occasions and important places, etc. It is recommended to be used indoor with a windless environment.

### Functions

- Non-contact temperature measurement: face temperature measurement with accurately personnel matching. Temperature accuracy:  $\pm 0.5\text{ }^{\circ}\text{C}$  , detection distance: 0.5 to 1.5 m, target height: 1.45 m to 1.85 m
- Temperature filtering: adjustable temperature threshold. An over-threshold temperature will trigger the audible strobe light
- Counting display: displays the walk-through people number, metal alarm times, real time temperature, number of people in abnormal temperature
- Metal detection: metal likes a clip
- Multi-Area alarm: Indicates the metal position on the body. Max. 18 areas
- Modularized component: easy transmission and installation

### Thermal Imaging Features

Smart Functions:

- Temperature exception detection
- Linkage for audible alarm
- Linkage of white strobe light alarm

Thermal Imaging Functions:

- Uncooled sensor, resolution: 160 x 120
- Supports AGC4.0, DDE, and 3DNR
- Supports dual-light fusion image
- Supports visible light and thermal imaging frame over lay

System Functions:

- Dual-channel, single IP
- Dual-streaming
- PoE power supply
- IP66 protective level
- Operation temperature:  $5^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ ,  $< 95\% \text{ RH}$

Interfaces:

- 10M/100M self-adapting network interface
- Micro SD/Micro SDHC/Micro SDXC card (128G/256G) slot
- 1-ch alarm input/output

- 15 pseudo colors: white, black , red, etc.

#### Visible Light Functions:

- 4 MP, 1/2.7 " CMOS, Max. resolution: 2688×1520@25fps
- Supports low bit rate, low latency and ROI
- Independent settings for day or night condition

- 1-ch audio input/output
- 1-ch 12 VDC power input

#### Security:

- Security verification, such as HTTPS, supports license creating
- Three level of users, IP address filtering, user and password authentication

## Metal Detection Features

- Detection accuracy: metal in the size like a clip (or 1/2 clip) is detectable on the middle of the detector. Goods like Belt buckle can be excluded. Copper, aluminum, and zinc (over 150 g) , controlled knife, and gun are detectable
- Anti-interference: multiple detector can work abreast at the same time
- Multi-area alarm: Indicates the metal position on the body. Max. 18 areas
- Frequency settings: 100 frequencies can be set, and different ring tone for different frequency
- Sensitivity Settings: 255 level of sensitivity can be set
- People counting: display the number of walk-through people and people in alarm
- Positioning LED: LEDs on the sides of the detector for indicating the position of the prohibited goods.
- LCD screen
- Storing sensitivity parameters for different scenes for shortcut settings.
- Material: PVC shell

## Specifications

|                 |                        |  |
|-----------------|------------------------|--|
| Thermal Imaging | Sensor                 | Vanadium oxide uncooled sensor   |
|                 | Max. Resolution        | 160× 120   |
|                 | Pixel Interval         | 17μm   |
|                 | Response Waveband      | 8 to 14μm  |
|                 | NETD                   | ≤ 40mk(@25°C,F#=1.0)   |
|                 | Lens (Focal Length)    | 3mm  |
|                 | MRAD                   | 9.44   |
|                 | Field of View          | 50°×37.2°  |
|                 | Min. Focusing Distance | 0.5m   |
|                 | Aperture               | 1.1  |
|                 | Pseudo Color           | 15, white heat, black heat, fusion1, rainbow, fusion2, iron oxide red1, iron oxide red2, puce, color1, color2, ice & fire, rain, red heat, green heat, and dark blue |
| Visible Light   | Sensor                 | 4 MP 1/2.7" Progressive Scan CMOS  |
|                 | Resolution             | 2688×1520@25fps  |
|                 | Min. illuminance       | 0.0018Lux @(F1.6,AGC ON) ,0 Lux with IR  |
|                 | Shutter speed          | 1/3s to 1/100,000s   |
|                 | Focal length           | 4mm  |
|                 | Field angle            | 84.0°×44.8°  |
|                 | Day/Night switch       | ICR  |
|                 | WDR range              | 120dB  |



|                         |                                    |   |
|-------------------------|------------------------------------|---|
|                         | IR distance                        | Max. 15 m   |
| Image frame             | Thermal imaging and visible light  | Thermal imaging integrated with visible light frame   |
|                         | Picture in picture                 | Supports visible light and thermal imaging frame over lay   |
|                         | Smart information overlay          | Supports (only temperature measurement rule and temperature are supported)  |
| Smart function          | Linkage alarm                      | Linkage of strobe light and audible alarm   |
| Temperature measurement | Temperature exception detection    | Expert mode: 10 points, 10 frame, 21 rules on each line   |
|                         | Skin-surface temperature detection | AI detection, multi-target detection  |
|                         | Measurement range                  | 30 to 45°C  |
|                         | Temperature Alarm                  | Alarm triggered when the temperature is over the threshold  |
|                         | Measurement accuracy               | No black body: ±0.5°C<br>With black body: ±0.3°C  |
| Compression             | Video compression                  | H.265/H.264/MJPEG   |
|                         | H265:                              | Main Profile  |
|                         | H264:                              | Baseline Profile / Main Profile / High Profile  |
|                         | Video bit rate                     | 32 Kbps to 8Mbps  |
|                         | Video standard                     | G.711/G.722.1/G.726/MP2L2/PCM   |
|                         | Audio bit rate                     | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-192Kbps(MP2L2)   |
| Storage                 | SD card storage                    | Micro SD/Micro SDHC/Micro SDXC card (128GB or 256GB)  |
|                         | NVR storage                        | (96/86/77/76) I series NVR<br>Supports live view/playback, rule display, alarm report, and remote configuration   |
| Network                 | Main stream                        | Visible light: 50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720)<br>Visible light: 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)<br>Thermal Imaging: 25fps (160 × 120 (output 320 × 240)) |
|                         | Sub stream                         | Visible light: 50Hz: 25fps (704 × 576), 25fps (352 × 288)<br>Visible light: 60Hz: 30fps (704 × 480), 30fps (352 × 288)<br>Thermal Imaging: 25fps (160 × 120 (output 320 × 240))   |
|                         | Network protocol                   | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NT P,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour   |
|                         | Interface protocol                 | ONVIF(PROFILE S,PROFILE G),ISAPI,SDK,Ehome,GB28181  |
|                         | Max. live view channel number      | 20  |
|                         | User                               | Three level: administrator, operator, general user  |
|                         | Safety strategy                    | User and password authentication, HTTPS encryption, IEEE 802.1x control, IP address filtering   |
| Interface               | Alarm input                        | 1, 0 to 5 V alarm input   |
|                         | Alarm output                       | 1, NO relay output, alarm type configurable   |
|                         | Audio input                        | 1, 3.5mm Mic in/Line in interface. Line input: 2-2.4V[p-p]  |
|                         | Audio output                       | 1, 600Ω   |
|                         | Reset button                       | 1   |
|                         | Network interface                  | 1,RJ45 10/100M self-adaption  |
|                         | RS-485 interface                   | 1   |
|                         | SD card slot                       | 1   |

|           |   |   |
|-----------|---|---|
|           | Client                                    | iVMS-4200/HIK-CONNCT  |
|           | Browser                                   | IE7+, Chrome18+, Firefox5.0+, Safari5.02+   |
| General   | Power supply                              | 110~240VAC, 50-60Hz   |
|           | Consumption                               | <72W  |
|           | Operation temperature and humidity        | Turret camera: 5°C to 40°C, < 95% RH<br>Walk-through detector: -20°C to 85°C, 99%, RH |
|           | Protective level                          | Turret camera: IP66<br>Walk-through detector: IP53                                    |
| Dimension | Detector dimension(without Turret camera) | 2200 x 850 x 480mm (H x W x D)  |
|           | Turret camera dimension                   | 138.3 mm × 138.3 mm × 123.1 mm(H x W x D)   |
|           | Package dimension                         | 2270 x 700 x 230mm(H x W x D)   |
| Weight    | Net weight                                | About 50Kg  |

## Available Model

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