

## ISD-SMG318LT-D

### Temperature Measurement Walkthrough Metal Detector



#### General

- Network Transmission Reports Passenger Flow Statistics and Metal Detection Data
- Configure Remotely via Web Client
- Counts Entry/Exits for limit Flow Alarm/Statistic Report
- Mandatory Default Password Changing Strategy
- Non-Contact Face Temperature Measurement
- Accurate Personnel Matching
- Temperature Accuracy:  $\pm 0.5^{\circ}\text{C}$  @ 0.5 m to 1.5 m, target height: 1.45 m to 1.85 m
- Adjustable Temperature Threshold Triggers Audible Strobe Light
- Displays Walkthrough Count, Metal Alarm Times, Real Time Temperature, People in Abnormal Temperature
- Metal Detection
- Alarm Indicates up to 18 Metal Positions on Body
- Easy Transmission and Installation

#### Smart Functions

- Temperature Exception Detection
- Audible Alarm Linkage
- White Strobe Light Alarm Linkage
- Detector Configuration via Web Client

#### Thermal Imaging Functions

- Uncooled Sensor, Resolution: 160 x 120
- AGC 4.0, DDE, and 3DNR
- Dual-Light Fusion Image
- Visible Light/Thermal Imaging Frame Overlay
- 15 Pseudo Colors: White, Black, Red, etc.

#### Visible Light Functions

- 4 MP, 1/2.7" CMOS, 2688 x 1520 @ 25 fps
- Low Bit Rate, Low Latency, and ROI
- Independent Settings for Day or Night
- Dual-Channel, Single IP
- Dual-Streaming
- PoE Power Supply
- IP66 Protection Level
- Operating Temperature: 10° to 35° C, <95% RH

#### RH Interfaces

- 10M/100M Self-Adapting Network Interface
- MicroSD/SDHC/SDXC Card (128 GB/256 GB) Slot
- 1-ch Alarm Input/Output
- 1-ch Audio Input/Output
- 1-ch 12 VDC Power Input

#### Security

- Verification Such as HTTPS Supports License Creating
- Three User Levels, IP Address Filtering, User and Password Authentication

#### Metal Detection Features

- 25 mm Metal Detectable in Detector Middle. Belt Buckles etc. Can Be Excluded. Detects Copper, Aluminum, Zinc (over 150 g), Knives, Guns
- Multiple Detectors Can Work Abreast at Same Time
- Alarm: Indicates Metal Position on Body (Up to 18 Areas)
- 100 Frequencies Can Be Set w/Different Ring Tones
- Sensitivity Settings: 255 Levels
- Display Number of Walkthroughs and People in Alarm
- LED on Entry Side of Plank Indicates Position of Prohibited Goods
- 7-inch LCD Touch Screen for Easy Operation
- Store Sensitivity Parameters for Different Scenes
- Material: PVC Shell

Hikvision's ISD-SMG318LT-D walkthrough metal detector, with thermographic technology, supports contactless temperature screening and metal detection. The integrated camera's AI detection function accurately positions the skin surface.

The detector also supports network transmission, which makes it able to report passenger flow statistics/metal detection data as well as configure parameters remotely.

It is suitable for safety inspection of dangerous goods and is widely used in public facilities, sensitive areas, etc. It is recommended to be used indoors in a stable, windless environment.

#### Available Model

ISD-SMG318LT-D

# Specifications

| ISD-SMG318LT-D                     |  |
|------------------------------------|--|
| <b>Thermal Imaging</b>             |  |
| Sensor                             | Vanadium oxide uncooled sensor   |
| Maximum Resolution                 | 160 x 120  |
| Pixel Interval                     | 17 $\mu$ m   |
| Response Waveband                  | 8 to 14 $\mu$ m  |
| NETD                               | $\leq 40$ mk (@ 25° C, F#=1.0)   |
| Lens (Focal Length)                | 3 mm   |
| MRAD                               | 9.44   |
| Field of View                      | 50° x 37.2°  |
| Minimum Focusing Distance          | 1' 7" (0.5 m)  |
| Aperture                           | f/1.1  |
| Pseudo Colors                      | 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 |
| <b>Visible Light</b>               |  |
| Sensor                             | 4 MP 1/2.7" progressive scan CMOS  |
| CMOS Resolution                    | 2688 x 1520 @ 25 fps   |
| Minimum Illuminance                | 0.0018 lux @ (f/1.6, AGC on), 0 lux with IR  |
| Shutter Speed                      | 1/3s to 1/100,000s   |
| Focal Length                       | 4 mm   |
| Field Angle                        | 84.0° x 44.8°  |
| Day/Night Switch                   | ICR  |
| WDR                                | 120 dB   |
| IR Distance                        | Maximum 49' (15 m)   |
| <b>Image Frame</b>                 |  |
| Thermal Imaging and Visible Light  | Thermal imaging integrated with visible light frame  |
| Picture-in-Picture                 | Supports visible light and thermal imaging frame overlay   |
| Smart Information Overlay          | Supports (only temperature measurement rule and temperature are supported)   |
| <b>Smart Functions</b>             |  |
| Linkage Alarm                      | Linkage of strobe light and audible alarm  |
| <b>Temperature Measurement</b>     |  |
| Temperature Exception Detection    | Expert mode: 10 points, 10 frames, 21 rules on each line   |
| Skin-Surface Temperature Detection | AI detection, multi-target detection   |
| Measurement Range                  | 86° to 113° F (30° to 45° C)   |
| Temperature Alarm                  | Alarm triggered when the temperature is over the threshold   |
| Measurement Accuracy               | No black body: $\pm 0.5^\circ$ C<br>With black body: $\pm 0.3^\circ$ C   |
| <b>Compression</b>                 |  |
| Video Compression                  | H.265/ H.264/MJPEG   |
| H.265                              | Main Profile   |
| H.264                              | Baseline Profile/Main Profile/High Profile   |
| Video Bit Rate                     | 32 Kbps to 8 Mbps  |
| Video Standard                     | G.711/G.722.1/G.726/MP2L2/PCM  |
| Audio Bit Rate                     | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32-192 Kbps (MP2L2)  |
| <b>Storage</b>                     |  |
| SD Card Storage                    | MicroSD/SDHC/SDXC card (128 GB or 256 GB)  |
| NVR Storage                        | (96/86/77/76) I Series NVR. Supports live view/playback, rule display, alarm report, and remote configuration  |
| <b>Network</b>                     |  |
| Main Stream                        | Visible light: 60 Hz: 30 fps (1920 x 1080), 30 fps (1280 x 960), 30 fps (1280 x 720)<br>Thermal Imaging: 25 fps (160 x 120 (output 320 x 240))                       |
| Sub Stream                         | Visible light: 60 Hz: 30 fps (704 x 480), 30 fps (640 x 480)<br>Thermal Imaging: 25 fps (160 x 120 (output 320 x 240))   |
| Network Protocol                   | IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour                              |
| Interface Protocol                 | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK, Ehome, GB28181   |
| Maximum Live View Channels         | 20   |
| Users                              | Administrator, operator, general user  |
| Safety Strategy                    | User and password authentication, HTTPS encryption, IEEE 802.1x control, IP address filtering  |

## Specifications (continued)

| ISD-SMG318LT-D                                      |   |
|---|---|
| <b>Interface</b>                                    |   |
| Alarm Input   | 1, 0 to 5 V alarm input   |
| Alarm Output  | 1, N.O. relay output, alarm type configurable   |
| Audio Input   | 1, 3.5 mm mic in/line in interface, line input: 2-2.4 V (p-p)   |
| Audio Output  | 1, 600 $\Omega$   |
| Reset Button  | 1   |
| Network Interface                                   | 1, RJ-45 10/100M self-adaption  |
| SD Card Slot  | 1   |
| Client  | iVMS-4200/HikCentral  |
| Browser   | IE7+, Chrome 18+, Firefox 5.0+, Safari 5.02+  |
| Power Supply  | 12 VDC, 3.15A, 36 W (with power adapter)  |
| Consumption   | 36 W  |
| Operating Temperature and Humidity                  | Turret camera: 50° to 95° F (10° to 35° C), <95% RH non-condensing<br>Walkthrough metal detector: 14° to 131° F (-10° to 55° C), <95% RH non-condensing |
| Protective Level                                    | Turret camera: IP66<br>Walkthrough metal detector: IP53   |
| <b>Dimensions</b>                                   |   |
| Detector Dimensions (w/o Turret Camera) (H x W x D) | 87" x 33.5" x 18.9" [2200 mm x 850 mm x 480 mm]   |
| Turret Camera Dimensions (H x W x D)                | 5.445" x 5.445" x 4.846" [138.3 mm x 138.3 mm x 123.1 mm]   |
| Package Dimensions (H x W x D)                      | 90.08" x 28.66" x 12.91" [2288 mm x 728 mm x 328 mm] with wooden case   |
| <b>Weight</b>                                       |   |
| Net Weight  | About 176 lb (80 kg)  |

## Dimensions

