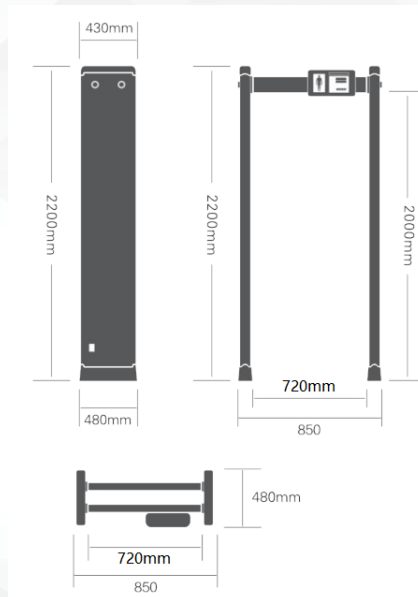# ISD-SMG318LT-F
Temperature Measurement Walk-Through Detector

HIKVISION®

Description

ISD-SMG318LT-F walk-through metal detector, adopting the thermal imagery technology, realizes non- contact temperature measurement. Face detection function of the camera makes an accurate positioning of the measurement. 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:±0.5 ℃ , detection distance: 0.3 to 3 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℃ to 40℃， < 95% 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	0.3m
	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 pints, 10 frame, 21 rules on each line
	Body temperature measurement	AI face detection, multi-target detection
	Measurement range	30 to 45℃
	Temperature Alarm	Alarm triggered when the temperature is over the threshold
	Measurement accuracy	No black body:±0.5℃ With black body: ±0.3℃
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 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) Visible light: 60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720) Thermal Imaging: 25fps (160 × 120 (output320 × 240))
	Sub stream:	Visible light: 50Hz: 25fps (704 × 576), 25fps (640 × 480) Visible light: 60Hz: 30fps (704 × 480), 30fps (640 × 480) Thermal Imaging: 25fps (160 × 120 (output 320 × 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
	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

General	Client	iVMS-4200/HIK-CONNCET
	Browser	IE7+, Chrome18+, Firefox5.0+, Safari5.02+
	Power supply	110~240VAC，50-60Hz
	Consumption	<72W
	Operation temperature and humidity	Speed dome: 5℃ to 40℃，＜95% RH Walk-through detector: -20℃ to 85℃, 99%, RH
	Protective level	Dome camera: IP66 Walk-through detector: IP53
Dimension	Detector dimension(without dome camera)	2200 x 850 x 480mm (H x W x D)
	Dome camera dimension	138.3 mm × 138.3 mm × 123.1 mm(H x W x D)
	Package dimension	2270 x 700 x230mm(H x W x D)
Weight	Net weight	About 50Kg

Available Model

ISD-SMG318LT-F

HIKVISION®

Distributed by

HIKVISION®