



Description

ISD-SMG318LT-D walk-through metal detector, adopting the thermographic technology, supports contactless temperature screening and metal detection. AI detection function of the camera makes an accurate positioning of the skin-surface. The detector also supports network transmission, which makes it able to report passenger flow statistics /metal detection data as well as to configure parameters remotely.

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

- Online Report: Supports network transmission, which makes the detector able to report passenger flow statistics and metal detection data.
- Remote Configuration: Supports configuring remotely via web client.
- HCP Accessing: Supports accessing to the HCP platform to count the entry and exit people, which realize the function of limit flow alarm and statistic report.
- Password Protection: Mandatory default password changing strategy for protecting password security.
- 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

System Functions:

Smart Functions:

- Temperature exception detection
- Linkage for audible alarm
- Linkage of white strobe light alarm
- Detector configuration via web client

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
- 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

- Dual-channel, single IP
- Dual-streaming
- PoE power supply
- IP66 protective level
- Operation temperature: 5°C to 40°C, < 95% RH

Interfaces:

- 10M/100M self-adapting network interface
- Micro SD/Micro SDHC/Micro SDXC card (128G/256G) slot
- 1-ch alarm input/output
- 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 coin (diameter: 25 mm) 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: LED on the entry side of the plank indicating the position of the prohibited goods.
- 7 inch LCD touch screen on both side (front and back)
- 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
	Image Enhancement	120dB WDR, BLC, HLC
	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
	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 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 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
	SD card slot	1
	Client	iVMS-4200/HIK-CONNCEt
	Browser	IE7+, Chrome18+, Firefox5.0+, Safari5.02+
	Power supply	12 VDC, 3.15A, 36W (with power adapter)
	Consumption	36W
	Operation temperature and humidity	Turret camera: 5°C to 40°C, < 95% RH Walk-through metal detector: -10°C~55°C, < 95% RH
	Protective level	Turret camera: IP66 Walk-through metal 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	2288mmX728mmX328mm(H x W x D) with wooden case
Weight	Net weight	About 80kg

Available Model

ISD-SMG318LT-D



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