

ISD-SMG318LT-F

Temperature Measurement Walkthrough Metal Detector

Hikvision's ISD-SMG318LT-F Temperature Measurement Walkthrough Metal Detector uses thermographic technology for contactless temperature screening. The camera's AI detection function accurately targets the skin surface. The detector also supports metal detection.

It is suitable for safety inspection of dangerous goods and is widely used in public events, high-profile locations, etc. It is recommended to be used in an indoor, windless environment.

Available Model

ISD-SMG318LT-F



Functions

- Non-Contact Face Temperature Measurement with Accurate Personnel Matching
- Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ at 0.5 m to 1.5 m, Target Height: 1.45 m to 1.85 m
- Displays Walkthroughs, Metal Alarm Times, Real-Time Temperature, People in Abnormal Temperature
- Modular for Easy Transport and Installation
- MicroSD/HC/XC (128 GB/256 GB) Card Slot
- 1-ch Alarm Input/Output
- 15 Pseudo Colors

Thermal Imaging Features

Smart Functions

- Temperature Exception Detection
- Adjustable Threshold Triggers Audible Strobe Light

Thermal Imaging Functions

- Uncooled Sensor, Resolution: 160 x 120
- Supports AGC 4.0, DDE, and 3DNR
- Supports Dual-Light Fusion Image
- Visible Light and Thermal Imaging Frame Overlay

System Functions

- Dual-Channel, Single IP
- Dual-Streaming
- PoE Power Supply
- IP66 Protection Level
- Operating Temperature: 5°C to 40°C , $<95\%$ RH

Interfaces

- 10M/100M Self-Adapting Network Interface

Visible Light Functions

- 4 MP, 1/2.7" CMOS, Maximum 2688 x 1520 @ 25 fps
- Supports Low Bit Rate, Low Latency, and ROI
- Independent Settings for Day or Night Condition
- 1-ch Audio Input/Output
- 12 VDC Power Input

Security

- Security Verification (HTTPS, License Creating)
- 3 User Levels, IP Address Filtering, User and Password Authentication

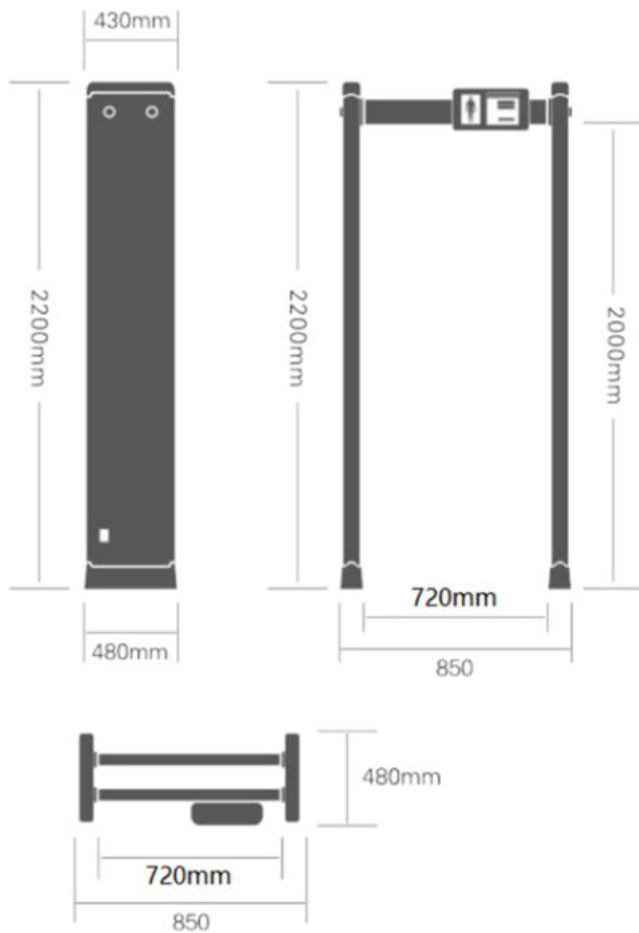
Metal Detection Features

- Detects 1/2 Paper Clip Size Metal. Can Exclude Items (e.g., Belt Buckle)
- Multiple Detectors Can Work Abreast at Same Time
- Indicates Metal Position on Body (maximum 18 Areas)
- Set 100 Frequencies, with Different Ring Tone for Each
- 255 Sensitivity Levels
- LEDs on Detector Sides Indicate Position of Prohibited Goods
- LCD Screen
- Stores Sensitivity Parameters
- PVC Shell Material

Specifications

Thermal Imaging	Sensor	Vanadium oxide uncooled sensor
	Maximum Resolution	160 × 120
	Pixel Interval	17 μm
	Response Waveband	8 μm to 14 μm
	NETD	≤40 mK (@ 25° C, F#=1.0)
	Lens (Focal Length)	3 mm
	MRAD	9.44
	Field of View	50° × 37.2°
	Minimum Focusing Distance	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	
Visible Light	Sensor	4 MP 1/2.7" progressive scan CMOS
	Resolution	2688 × 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° × 44.8°
	Day/Night Switch	ICR
	WDR Range	120 dB
	IR Distance	Maximum 15 m
	Image Frame	Thermal Imaging and Visible Light
Picture-in-Picture		Supports visible light and thermal imaging frame overlay
Smart Functions	Smart Information Overlay	Supported (only temperature measurement rule and temperature are supported)
	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 exceeds the threshold
	Measurement Accuracy	No blackbody: ±0.5° C With blackbody: ±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 8 Mbps
	Video Standard	G.711/G.722.1/G.726/MP2L2/PCM
Storage	Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32–192 Kbps (MP2L2)
	SD Card Storage	MicroSD/HC/XC card (128 GB or 256 GB)
Network	NVR Storage	(96/86/77/76) I Series NVR; supports live view/playback, rule display, alarm report, and remote configuration
	Main Stream	Visible light: 30 fps (1920 × 1080), 30 fps (1280 × 960), 30 fps (1280 × 720) Thermal Imaging: 25 fps (160 × 120 (output 320 × 240))
	Sub Stream	Visible light: 30 fps (704 × 480), 30 fps (640 × 480) Thermal Imaging: 25 fps (160 × 120 (output 320 × 240))
	Network Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
	Interface Protocol	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK, Ehome, GB28181
	Maximum Live View Channel Number	20
	User	Three levels: administrator, operator, general user
Interface	Safety Strategy	User and password authentication, HTTPS encryption, IEEE 802.1x control, IP address filtering
	Alarm Input	1, 0 to 5 V alarm input
	Alarm Output	1, NO relay output, alarm type configurable
	Audio Input	1, 3.5 mm mic in/line in interface; line input: 2–2.4V [p-p]
	Audio Output	1, 600 Ω
	Reset Button	1
	Network Interface	1, RJ-45 10/100M self-adaptive
	RS-485 Interface	1
	SD Card Slot	1
	Client	iVMS-4200/Hik-Connect
General	Browser	IE7+, Chrome18+, Firefox 5.0+, Safari 5.02+
	Power Supply	110 to 240 VAC, 50–60 Hz
	Consumption	<72 W
Dimensions	Operation Temperature and Humidity	Turret camera: 5° to 40° C, <95% RH Walkthrough detector: -20° to 85° C, 99%, RH
	Protection Level	Turret camera: IP66 Walkthrough detector: IP53
Weight	Detector (w/o Turret Camera)	2200 mm × 850 mm × 480 mm (H × W × D)
	Turret Camera	138.3 mm × 138.3 mm × 123.1 mm (H × W × D)
	Package	2270 mm × 700 mm × 230 mm (H × W × D)
	Net Weight	About 50 kg

Dimensions



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