Triple-spectrum Network Speed Dome

SD8S4M

Product Feature

- Clearer and farther image with the latest generation 12μm infrared detector and leading algorithm.
- Integrated with visual, thermal and laser tri-spectral imaging for 24/7 safety surveillance.
- Support pan/tilt biaxial gyro image stabilization and professional image stabilization algorithm to ensure reliable and stable image
- Support human/vehicle target recognition based on deep learning algorithm and structured analysis algorithm
- Support fire detection algorithm and multiple scanning modes
- Support high-speed, high-accuracy PTZ and multiple smart scanning modes
- All-metal housing, IP67 encapsulation, anti-shock, waterproof and salt-spray proof
- Support standard interface protocols such as ONVIF, GB28181 and SDK for secondary development.

Product Specifications

Technical Specifications		SD864M
Thermal	Detector Type	VOx, uncooled FPA detectors
	Spectral Range	8~14μm
	NETD	≤40mK(@25°C,F#1.0,25Hz)
	Max. Resolution	1280×1024
	Pixel Pitch	12μm
	Focal Length	75mm
	Focus Mode	Auto/Manual
	FOV	11.7°×9.4°
	F#	1.0
	IFOV	0.16mrad
	Color Palettes	20 modes available such as Whitehot/Blackhot/Rainbow.
Visible	Sensor	4MP 1/1.8" Progressive Scan CMOS
	Max. Resolution	2560×1440
	Focal Length	6.5~240mm，37× optical zoom
	Focus Mode	Auto/ Manual/ One-shot Auto
	FOV	Pan：70°~2.51°
	Low Illumination	Color:0.0005 Lux， B/W:0.0001 Lux @(F1.5,AGC ON)
	WDR	120dB
	Day/Night Conversion	ICR Auto
	Digital Noise Reduction	3D DNR
	Fog Penetration	Optical/Digital
	Supplement Illuminator	1.5km laser supplement illuminator，simultaneous visible light zoom
PTZ Parameters	Pan Range	360° continuous rotation
	Pan Speed	0.05°~ 300°/s
	Tilt Range	-60°~90°
	Tilt Speed	0.05°~200°/s
	Presets	255
	Patrol Scan	8 patrols
	3D Positioning	Support

	Remote Power-off Reboot	Support
	Image Stabilization	Support two-axis gyro stabilization
	Auto-induction Wiper	Support
Network	Network Protocols	IPv4,HTTP,HTTPS,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP
	Interoperability	ONVIF, GB28181, SDK
	Web Browser	IE
Video Parameters	Max. Resolution	2560×1440（visible），1280×1024（thermal）
	Image Format	JPEG
	Audio Compression	G.711a/G .711u/AAC/PCM
	Video Compression	H.264/H.265
	Main Stream	Visible： 50Hz:25fps (2560×1440,1920×1080, 1280×720) 60Hz:30fps (2560×1440,1920×1080, 1280×720) Thermal： 25fps (1280×1024,1280×720,640×512)
	Sub Stream	Visible： 50Hz:25fps (704×576) 60Hz:30fps (704×576) Thermal： 25fps (640×512)
Smart Functions	Fire Alarm	Support smart fire detection
	Smart Detection	Support smart event analysis such as human/vehicle target detection, tripwire intrusion and region intrusion
	Alarm Linkage	Video Recording/ Image Capture/Email/linkage PTZ /Alarm Output
System Interface	Power Supply	DC 24V±15% ,5A
	Communications	RJ45 self-adaptive 10M/100M Ethernet port
	Alarm	1 channel alarm input, 1 channel alarm output
	Serial Port	1 channel RS422
General	Operating Temperature and Humidity Range	-40℃~+70℃；<90%RH
	Encapsulation	IP67，Lightning Protection, Surge Protection and Voltage Transient Protection，conform to GB/T17626.5 6KV
	Power Consumption	Max.60W

	Dimension	446mm×326mm×247mm
	Weight	16kg

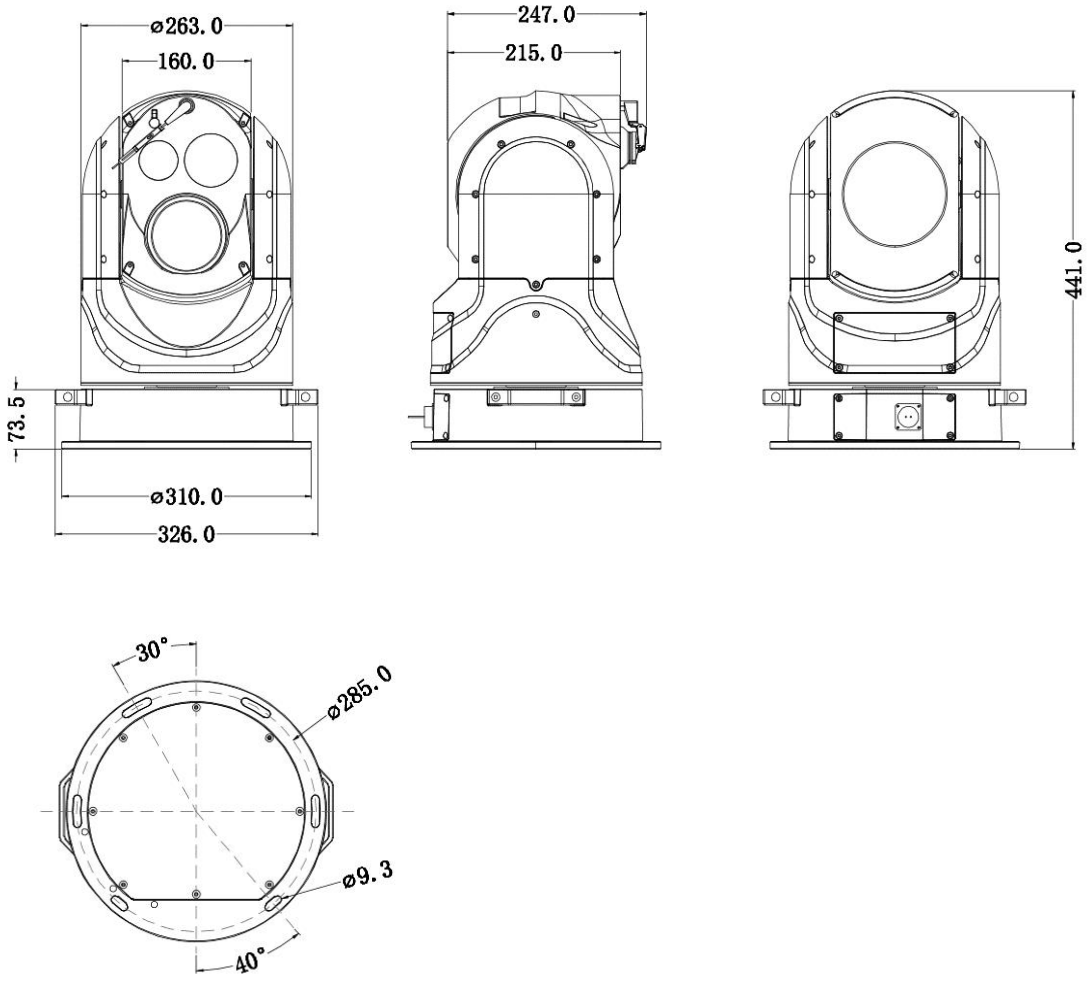
Operating Distance

The recommended distance of detecting, recognizing and identifying for man (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:

DD stands for Detection Distance; RD stands for Recognition Distance; ID stands for Identification Distance;

Lens	DD (Vehicle)	DD (Human)	RD (Vehicle)	RD (Human)	ID (Vehicle)	ID (Human)
75mm	9.6 km	3.1 km	2.4 km	0.8 km	1.2 km	0.4 km

Structral Drawings



This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.