

SVEX-TH125B

Explosion Proof Fixed Thermal Camera



Key Features:

- ATEX, IECEx certified
- Stainless steel 304 or 316L enclosure
- Applicable for Gas Zone 1, Zone 2, Class II A, IIB, IIC, T1-T6 group)
Dust Zone 21, 22.
- Certified for the latest standards IEC/EN60079
- Surface optional electro-polished or painting
- Weather Proof IP66, IP68(2m/2h), IP69
- Wide voltage input: AC100-240V or AC/DC24V or PoE+ +
- Strong tempered glass, fit for hydrofluoric acid area
- Intelligent window defroster design
- Auto temperature adjust kit for aggressive area
- Fit for various brand cameras

Specifications:

EX-PROOF MARKING					
Certificate Mark	II2G Ex db IIC T6 Gb / II2D Ex tb IIIC T80 °C Db				
Certificate	ATEX, IECEx				
MECHANICAL					
Housing	Stainless steel 304 or 316L				
Surface	Optional electro-polish or painting				
Ingress protection	IP66, IP68 (2m/ 2h), IP69				
Cable thread hole	2pcs M25×1.5 (or M27*1.25)				
ELECTRICAL					
Power consumption	25W/50W(with thermostat)				
Surge Protect	Optional, TVS6000V surge protect				
Optical Video signal	1-way video output				
Optional network signal	RJ45				
Optical Audio	1-way input, 1-way output				
Optical Alarm	2-way alarm input, 1-way alarm output				
Address code:	0/1				
Trail cable	2m integrated cable Option 1:power+CAT Option 2: power+RS485+coaxial cable Option 3: power+CAT+audio+alarm+RS485+ coaxial cable				
AMBIENT					
Ambient temperature	-40°C~+60°C				
Air pressure	80Kpa to 110Kpa				
Relative Humidity	≤ 95% (no condensation)				
COMMUNICATION					
Communication type	RS485				
Protocol	Pelco-D, Pelco-P				
Communicate Rate	2400~19200bps adjustable				
485 Communication	Support				
THERMAL CAMERA					
Detector Type	VOx Uncooled Focal Plane Arrays				
Resolution	Sensor is 640×512. Image can be scaled up to 1280×1024				
Pixel Pitch	12μm				
Response Waveband	8-14μm				
Thermal Sensitivity (NETD)	≤ 40 mK				
Lens Type	Fixed focal length				
Focus Control	Free focus				
Focal Length	9 mm	15 mm	25 mm	35 mm	50 mm
F No.	F1.0	F1.0	F1.0	F1.0	F1.0
Field of View	H:48°, V:38°	H:29°, V:23°	H:17°, V:14°	H: 12°, V:10°	H: 8°, V:7°
Min. Focusing Distance	1.73 m	3.79 m	13 m	25.49 m	52.3 m
Detection Distance (Fire: 1m×1m)	375 m	625 m	1042 m	1458 m	2083 m
Detection Distance (Humans: 1.8×0.5m)	375 m	624 m	1040 m	1456 m	2081 m
Detection Distance (Vehicles: 4×1.5m)	1150 m	1917 m	3194 m	4472 m	6389 m

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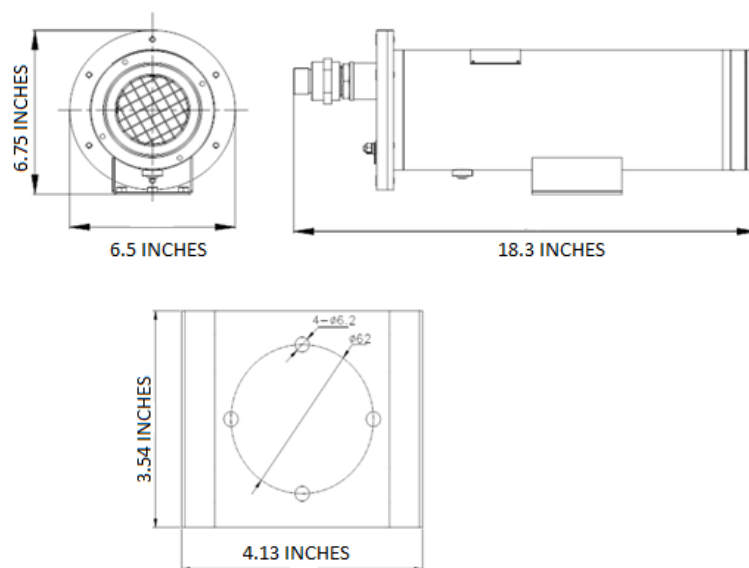
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Recognition Distance (Humans: 1.8×0.5m)	94 m	156 m	260 m	364 m	520 m
Recognition Distance (Vehicles 4×1.5m)	288 m	479 m	799 m	1118 m	1597 m
VIDEO / AUDIO					
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps				
Streaming Capability	Dual				
Frame Rate	Main Stream 1280×1024, 1280×720, 640×512 @ 25fps Sub Stream D1, CIF @ 25fps				
Bit Rate	Main stream: 100Kbps ~ 8Mbps Sub stream: 100Kbps ~ 6Mbps				
Bit Rate Control	CBR/VBR				
Region of Interest	Off / On (8 Zone, Rectangle)				
Smart Encoding	Support				
NETWORK					
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, DHCP, Bonjour				
Compatible Integration	ONVIF, SDK, CGI				
Max. User Access	Up to 32 users. 3 levels: Administrator, Operator and User				
Web Browser	Up to 32 users. 3 levels: Administrator, Operator and User				
Security	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access				
Simultaneous Live View	Up to 20 channels				
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English				
IMAGE					
Image Setting	Brightness, Sharpness, Contrast				
Mirror	Support				
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes				
DVE Image Enhance	Support				
Noise Reduction	2D/3D DNR				
Privacy Masking	Support				
INTELLIGENT					
Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm				
Smart Detection	Support human/vehicle detection, fire point detection, ship detection				
Smart Events	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles) , People counting				
TEMPERATURE DETECTION					
Temperature Detection	Support 3 temperature measurement rule types (Point, Line, Area)				
Temperature Alarm	Over temperature alarm, Temperature difference alarm				
Accuracy	±2℃ / ±2%				
Response Time	≤ 30ms				
Temperature Measurement Range	-20℃ ~ 150℃ (-4°F ~ 302°F)				
NETWORK					
Protocols	IPv4/IPv6 ,HTTP,RTSP,RTP/RTCP,TCP/UDP,DHCP,DNS,PPPOE,SMTP,802.1x				
Interoperability	ONVIF, CGI, SDK				
Weight	27.5kg (60.5lbs)				
Working Environment	-10℃ to +60℃ (14°F to +140°F)				

ONVIF	ONVIF Profile S/G protocol
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
INTERFACE	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In, 1ch Audio Out
Alarm Interface	1ch Alarm In, 1ch Alarm Out
Control Interface	1ch RS485, 1ch RS232
Reset Button	Support
STORAGE	
SD Card Slot	Built-in, up to 256GB
GENERAL	
Power	AC100V ~ AC240V or AC24V or DC24V PoE + + (48 V d.c.) (IEEE 802.3bt)
Dimensions (Ø x H)	18.3" X 6.5" X 6.75"
Weight	8.6kg (19lbs)
Working Environment	-10 °C to +60 °C (14 °F to +140 °F)

Dimensions



Wall Mount

