

SVEX-TH125B

Explosion Proof Fixed Thermal Camera



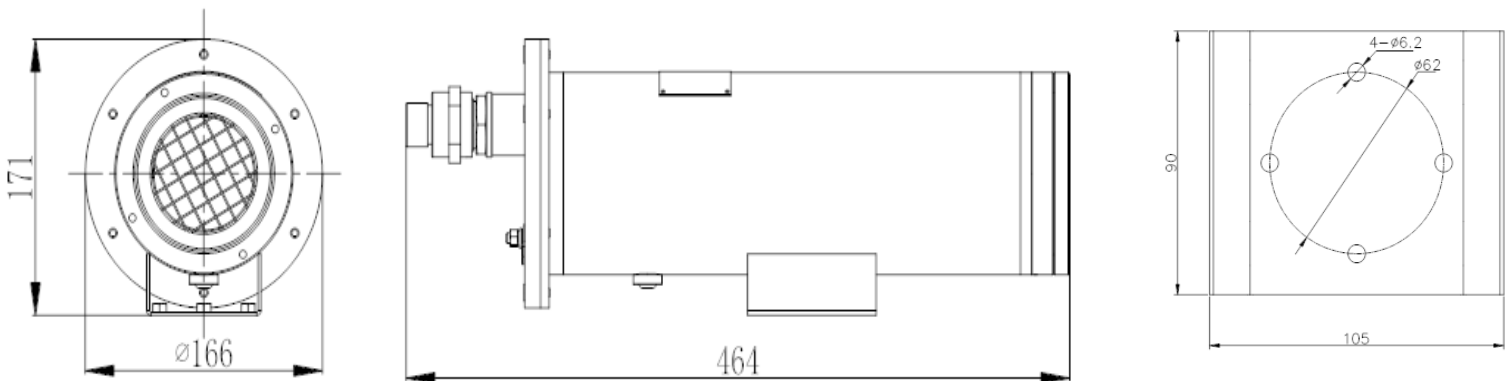
Key Features

- ATEX, IECEx Certified;
- 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
- Stainless steel 304 or 316L enclosure
- 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
- Wall, pole, ceiling or corner mounted way

Specifications

Ex-Proof Mark	II 2G Ex db II C T6 Gb / II 2D Ex tb III C T80 °C Db
Certificate	ATEX, IECEx
Housing Material	Stainless Steel 304 or Stainless Steel 316L
Ingress Protection	IP66, IP68 (2m/ 2h), IP69
Cable thread hole	2pcs M25×1.5 (or M27*1.25)
Ambient Temperature	-40°C ~ 60°C
Atmospheric Pressure	80KPa ~ 110Kpa
Relative Humidity	≤95% (25°C)
Communication type	RS485
Protocol	Pelco-D, Pelco-P
Communicate Rate	2400~19200bps adjustable
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
Overall Dimension	464 x 166 x 171 (mm)
Net Weight	8.6kg
Voltage	AC100V~AC240V or AC24V or DC24V PoE++ (48 Vdc.) (IEEE 802.3bt)
Power consumption	25W/50W(with thermostat)

Dimensions



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Bracket

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
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 and Audio

Main Stream	1280×1024, 1280×720, 640×512 @ 25fps
Sub Stream	D1, CIF @ 25fps
Bit Rate Control	CBR/VBR
Bit Rate	Main stream: 100Kbps ~ 8Mbps Sub stream: 100Kbps ~ 6Mbps
Region of Interest	Off / On (8 Zone, Rectangle)
Smart Encode	Support
Audio Compression	G.711: 8kbps, RAW_PCM: 16kbps

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



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Smart Function	
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	$\pm 2^{\circ}\text{C}$ / $\pm 2\%$
Response Time	$\leq 30\text{ms}$
Temperature Measurement Range	$-20^{\circ}\text{C} \sim 150^{\circ}\text{C}$ ($-4^{\circ}\text{F} \sim 302^{\circ}\text{F}$)
Network	
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
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
SD Card Slot	Built-in, up to 256GB