

Gas Imaging PTZ Network Camera

SPT464G-T



Product Feature

1. Integrated with the latest high sensitivity uncooled IR detector and the leading gas imaging algorithm, SPT464G can make clearer gas images.
2. Non-contacting and passive gas imaging can quickly pinpoint the methane leak location.
3. Give consideration to both gas imaging and industrial thermography, this PT supports professional temperature measurement analysis tools and smart fire detection.
4. Visible imaging and thermal imaging can meet the requirement for 24/7 security monitoring.
5. Double explosion-proof certifications, explosion-proof standard: Ex d IIC T6 Gb/Ex tD A21 IP68 T80°C.

6. 304/316L stainless steel body design with encapsulation rating IP68.
7. ONVIF&GB28181 standard interface protocol, SDK, matched NVR and VMS client software is available.

Product Specifications

Technical Index		SPT464G-T
Thermal	Sensor Type	VOx uncooled FPA detector
	Spectral Range	7~8.5μm
	NETD	≤20mK(@25°C,F#1.0)
	Max. Resolution	640*512
	Pixel Pitch	12μm
	Focal Length	25mm
	Focus Mode	Athermalized fixed/motorized focus
	FOV	17.5°×14°
	F number	F1.0
	Spatial Resolution	0.480mrad
	Color Palettes	20 modes selectable such as Blackhot/Whitehot/Rainbow,etc.
Visible	Image sensor	1/1.8inch 4MP CMOS
	Max. Resolution	2688×1520
	Focal Length	6.4mm~128mm
	Focus Mode	Auto / Manual / Semi-auto
	FOV	Horizontal: 59.6°~3.5°
	Min. Illumination	Color: 0.05Lux@ (F1.6, AGC ON) B/W: 0.01Lux@ (F1.6,AGC ON)
	WDR	120dB
	Day /Night	ICR Auto Conversion/Digital Color to B/W
	DNR	3D NR
PTZ	Pan Range	Pan: 360° Continuous Rotate
	Pan Speed	Configurable, 0.1°~40°/s
	Tilt Range	Tilt: -90°~+90°
	Tilt Speed	Configurable, 0.1°~40°/s
	Presets	256
	Park	Preset/ /Patrol Scan/ Pattern Scan /Region Scan/Linear Scan

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Network	Protocols	IPv4/v6,HTTP,HTTPS,802.1x,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP
	Interoperability	ONVIF, GB28181, SDK
	Browser	IE
Video	Max. Resolution	2688×1520 (Visible) 1280×1024 (Thermal)
	Image Encoding Format	JPEG
	Audio Compression	G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2
	Video Compression	H.264/H.265/MJPEG
	Main Stream (Visible)	50Hz:25fps(2688×1520, 1920×1080, 1280×720) 60Hz:30fps(2688×1520, 1920×1080, 1280×720)
	Main Stream (Thermal)	50Hz:25fps(1280×1024, 1024×768) 60Hz:30fps(1280×1024, 1024×768)
	Sub Stream (Visible)	50Hz:25fps(704×576, 352×288) 60Hz:30fps(704×480, 352×240)
Gas Leak Detection	Sub Stream (Thermal)	50Hz:25fps(640×512) 60Hz:30fps(640×512)
	Enhanced Recognition	Improve the gas detection sensitivity with gas enhanced display mode
	Gas Color	Support gas color
Temperature Measurement	Leak Alarm	Support gas leak detection and linkage alarm
	Measurement Range	-20℃~+550℃
	Measurement Accuracy	±2℃ or ±2%, the larger value shall prevail
Smart Function	Measurement Analysis	Thermographic rules and linkage alarm such as global, spot, line, region
	Fire Detection	Yes
	Zoom Linkage	yes
	Smart Record	Alarm trigger recording, disconnection trigger recording
	Smart Alarm	Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and burn
	Smart Detecting	Support smart video analysis such as tripwire intrusion and region intrusion
System	Alarm Linkage	Recording/Capture/Sending mail/PTZ linkage/Alarm output
	Power Supply	AC85V~260V/DC24V 3A(optional)

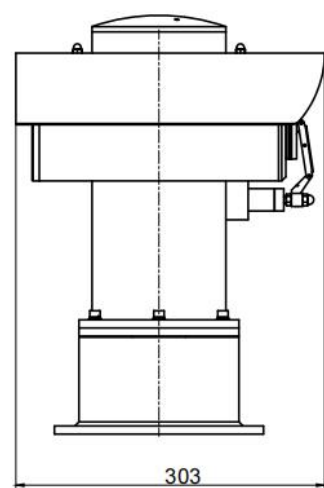
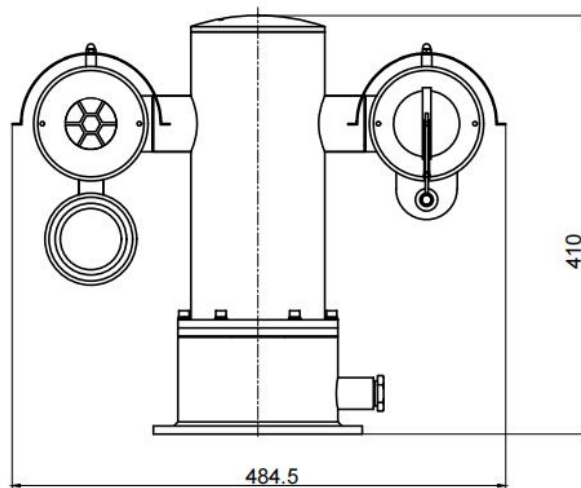
Technical Index		SPT464G-T
Interface	Communication Interface	RJ45 self-adaptive 10M/100M Ethernet port
	Alarm Input	1 channel
	Alarm Output	1 channel
	Storage Interface	Support Micro SD card (Max.256G) ,hot swap
	RS485	1 channel, support Pelco protocol
General	Operating Conditions	-40℃~+60℃; <90%RH
	Encapsulation Rating	IP68
	Power Consumption	≤100W(thermostat start-up)
	Dimensions(mm)	436×296×406mm
	Weight	27KG
	Explosion-proof Standard	Exd IIC T6 Gb/Ex tD A21 IP68 T80℃

Effective Distance

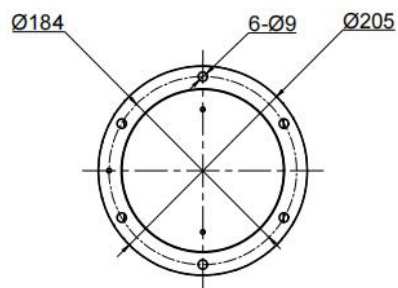
The recommended distance of detecting, recognizing and identifying for man (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:

Lens	DD (Vehicle)	DD (Man)	RD (Vehicle)	RD (Man)	ID (Vehicle)	ID (Man)
25mm	3194m	1042m	799m	260m	399m	130m

Structural Drawings



Mounting Dimensions :



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