SG-PTD2035N-6T25(T)

- Thermal + Optical Bi-spectrum Network PTZ Dome Camera

- 640x512 Thermal 25mm Lens + 2Mp 35x Zoom Starlight Network Camera Module

1. Features

> 1 Channel Thermal and Visible Video complex stream.

> One IP address for Main Control Chip, more stable than double IP version products.

> Horizontal 360° rotation, speed up to 0.1°~150°/S

> Vertical -5°~+90°, speed up to 0.1°~80°/S

> IP66 Water proof

Visible Camera

> 1/2” Sony Exmor CMOS Sensor.

> Powerful 35x optical zoom (6~210mm).

> Max. 2Mp(1920x1080) Resolution

> Support various IVS functions

> Support Electronic Defog

Thermal Camera

> 640x512 Resolution, high sensitivity sensor

> 12um Pixel pitch.

> 25mm Fixed Thermal Lens

> SG-PTD2035N-6T25T can support Temperature measurement function

2. Specification

Model		SG-PTD2035N-6T25		SG-PTD2035N-6T25T	
Thermal Camera					
Sensor	Image Sensor	Uncooled VOx Microbolometer			
	Resolution	640 x 512			
	Pixel Size	12μm			
	Spectral Range	8~14μm			
Lens	Focal Length	25mm			
	F Value	F1.0			
	Focus	Athermalized, Focus-free			
	Angle of View	17.6°x14.1°			
Video	Resolution	50Hz: 25fps@(1280×1024, 1280×720) 60Hz: 30fps@(1280×1024, 1280×720)			
	Pseudo color	Support: White Hot, Fulgurite, Iron Red, Hot Iron, Medical, Arctic, Rainbow 1, Rainbow 2, Tint			
IVS		Tripwire, Cross Fence Detection, Intrusion			
Digital Zoom		8x		N/A	
Fire Detection		Support		Support	
Temperature	Temperature measurement	N/A		Support	
	Measurement Range	N/A		Low-T mode: -20℃~150℃, High-T mode: 0℃~550℃	
	Measurement Accuracy	N/A		±3℃ or ±3% (Take large values)	
	Measurement Tools	N/A		12 spots / 12 areas / 12 lines / Max. & Avg. & Min. Temp on screen / Max. 12 rules / Comparative analysis	
	Actions	N/A		Tigger Relay out, Snapshot, Record, PTZ call, High & Low Temp track.	
Visible Camera					
Sensor	Image Sensor	1/2" Sony Starvis progressive scan CMOS			
	Effective Pixels	Approx. 2.13 Megapixel			
Lens	Focal Length	6mm~210mm, 35x Optical Zoom			
	Aperture	F1.5~F4.8			
	Field of View	H: 61.9°~1.9°, V:37.2°~1.1°, D: 60°~2.2°			
	Close Focus Distance	1m~1.5m (Wide~Tele)			
	Zoom Speed	Approx. 4.5s (Optical Wide~Tele)			
	DORI Distance (Human)	Detect	Observe	Recognize	Identify
		2,315m	918m	463m	231m

Video	Compression	H.265/H.264/H.264H/MJPEG
	Streaming Capability	3 streams
	Resolution	50Hz: 25/50fps@2MP(1920×1080), 25fps@1MP(1280×720) 60Hz: 30/60fps@2MP(1920×1080), 30fps@1MP(1280×720)
	Video Bit Rate	32kbps~16Mbps
	Audio	AAC / MP2L2
General Events		Motion, Tamper, SD Card, Network
IVS		Tripwire, Cross Fence Detection, Intrusion, Abandoned Object, Fast-Moving, Parking Detection, Crowd Gathering Estimation, Missing Object, Loitering Detection.
S/N Ratio		≥55dB (AGC Off, Weight ON)
Minimum Illumination		Color: 0.001Lux/F1.5; B/W: 0.0001Lux/F1.5
Noise Reduction		2D/3D
Exposure Mode		Auto, Aperture Priority, Shutter Priority, Gain Priority, Manual
Exposure Compensation		Support
Shutter Speed		1/1~1/30000s
BLC		Support
HLC		Support
WDR		Support
White Balance		Auto, Manual, Indoor, Outdoor, ATW, Sodium lamp, Street lamp, Natural, One Push
Day/Night		Electrical, ICR(Auto/Manual)
Focus Mode		Auto, Manual, Semi Auto, Fast Auto, Fast Semi Auto, One Push AF
Electronic Defog		Support
Flip		Support
EIS		Support
Digital Zoom		16x
PTZ		
Pan/Tilt Range		Pan: 360°; Tilt: -5°~90°
Pan Speed		Configurable, pan: 0.1°~150°/s; preset speed: 180°/s
Tilt Speed		Configurable, pan: 0.1°~80°/s; preset speed: 80°/s
Presets		300
Patrol		8 Patrols, up to 32 presets for each patrol
Line Scan		5
Idle Motion		Activate Preset/Scan/Tour/Pan Scan

Power up action		Activate Preset/Scan/Tour/Pan Scan
General Function		
Compression		H.265/H.264/H.264H/MJPEG
Storage Capabilities		TF card (256 GB), FTP, NAS
Network Protocol		Onvif, HTTP, HTTPS, IPv4, IPv6, RTSP, DDNS, RTP, TCP, UDP
Interoperability		ONVIF, GB/T28181, CGI
Interface	Power Interface	AC24
	Ethernet	RJ45(10Base-T/100Base-TX)
	Audio I/O	1/1
	Alarm I/O	1/1
	RS485	1, support Pelco-D protocol
Working Conditions		-30°C~+60°C(<95%RH)
Power Supply		AC24V / 3A ±15%
Power Consumption		30W, 40W (With heater ON)
Protection Level		IP66; TVS 6000V Lightning Protection, surge prevention, B/T17626.5
Dimensions(L*W*H)		Φ260(mm)×400(mm)
Weight		8kg

3. Dimension

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