

SG-PTZ2035N-3T75**384x288 12μm Thermal and 2MP 35x Zoom Visible Bi-spectrum PTZ Camera**

- Thermal: 12μm 384×288
- Thermal lens: 75mm motor lens
- Visible: 1/2" 2MP CMOS
- Visible lens: 6~210mm, 35x optical zoom
- Support tripwire/intrusion/abandon detection
- Support up to 18 color palettes
- 7/2 alarm in/out, 1/1 audio in/out, 1 analog video
- Micro SD Card, IP66
- Support Fire Detect

Specification

Model Number	SG-PTZ2035N-3T75
Thermal Module	
Detector Type	VOx, uncooled FPA detectors
Max Resolution	384x288
Pixel Pitch	12μm
Spectral Range	8~14μm
NETD	≤50mk (@25°C, F#1.0, 25Hz)
Focal Length	75mm
Field of View	3.5°×2.6°
F#	F1.0
Spatial Resolution	0.16mrad
Focus	Auto Focus
Color Palette	18 modes selectable such as Whitehot, Blackhot, Iron, Rainbow.
Optical Module	
Image Sensor	1/2" 2MP CMOS
Resolution	1920×1080
Focal Length	6~210mm, 35x optical zoom
F#	F1.5~F4.8
Focus Mode	Auto / Manual / One-shot auto
FOV	Horizontal: 61.9°~1.9°
Min. Illumination	Color: 0.001Lux/F1.5, B/W: 0.0001Lux/F1.5

WDR		Support
Day/Night		Manual/Auto
Noise Reduction		3D NR
Network		
Network Protocols		TCP, UDP, ICMP, RTP, RTSP, DHCP, PPPOE, UPNP, DDNS, ONVIF, 802.1x, FTP
Interoperability		ONVIF, SDK
Simultaneous Live View		Up to 20 channels
User Management		Up to 20 users, 3 levels: Administrator, Operator and User
Browser		IE8+, multiple languages
Video & Audio		
Main Stream	Visual	50Hz: 20fps (1920×1080, 1280×720) 60Hz: 30fps (1920×1080, 1280×720)
	Thermal	50Hz: 25fps (704×576) 60Hz: 30fps (704×480)
Sub Stream	Visual	50Hz: 25fps (1920×1080, 1280×720, 704×576) 60Hz: 30fps (1920×1080, 1280×720, 704×480)
	Thermal	50Hz: 25fps (704×576) 60Hz: 30fps (704×480)
Video Compression		H.264/H.265/MJPEG
Audio Compression		G.711A/G.711Mu/PCM/AAC/MPEG2-Layer2
Picture Compression		JPEG
Smart Features		
Fire Detection		Yes
Zoom Linkage		Yes
Smart Record		Alarm trigger recording, disconnection trigger recording (continue transmission after connection)
Smart Alarm		Support alarm trigger of network disconnection, IP address conflict, full memory, memory error, illegal access and abnormal detection
Smart Detection		Support smart video analysis such as line intrusion, cross-border, and region intrusion
Alarm Linkage		Recording/Capture/Sending mail/PTZ linkage/Alarm output
PTZ		
Pan Range		Pan: 360° Continuous Rotate
Pan Speed		Configurable, 0.1°~100°/s
Tilt Range		Tilt: -90°~+40°
Tilt Speed		Configurable, 0.1°~60°/s
Preset Accuracy		±0.02°
Presets		256
Patrol Scan		8, up to 255 presets per patrol
Pattern Scan		4
Linear Scan		4
Panorama Scan		1

3D Positioning	Yes
Power Off Memory	Yes
Speed Setup	Speed adaptation to focal length
Position Setup	Support, configurable in horizontal /vertical
Privacy Mask	Yes
Park	Preset/Pattern Scan/Patrol Scan/Linear Scan/Panorama Scan
Scheduled Task	Preset/Pattern Scan/Patrol Scan/ Linear Scan/Panorama Scan
Anti-burn	Yes
Remote Power-off Reboot	Yes
Interface	
Network Interface	1 RJ45, 10M/100M Self-adaptive Ethernet interface
Audio	1 in, 1 out
Analog Video	1.0V[p-p]/75Ω, PAL or NTSC, BNC head
Alarm In	7 channels
Alarm Out	2 channels
Storage	Support Micro SD card (Max. 256G), hot SWAP
RS485	1, support Pelco-D protocol
General	
Operating Conditions	-40°C~+70°C, <95% RH
Protection Level	IP66, TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection, Conform to GB/T17626.5 Grade-4 Standard
Power Supply	AC24V
Power Consumption	Max. 75W
Dimensions	250mm×472mm×360mm (W×H×L)
Weight	Approx. 14kg

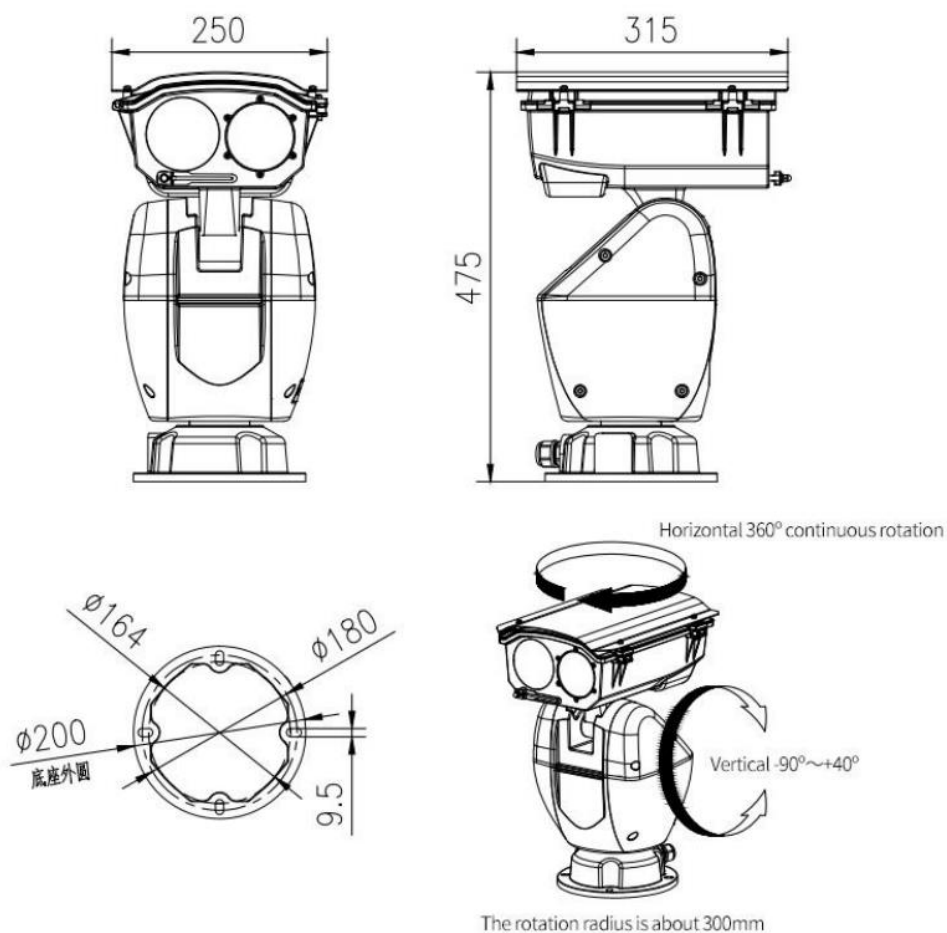
DRI Distance

Target: Human size is 1.8m×0.5m (Critical size is 0.75m), Vehicle size is 1.4m×4.0m (Critical size is 2.3m). The target detection, recognition and identification distances are calculated according to Johnson's Criteria.

The recommended distances of Detection, Recognition and Identification are as follows:

Lens	Detect		Recognize		Identify	
	Vehicle	Human	Vehicle	Human	Vehicle	Human
75mm	9583m(31440ft)	3125m(10253ft)	2396m(7861ft)	781m(2562ft)	1198m(3930ft)	391m(1283ft)

Dimension



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*Design and specifications are subject to change without prior notification.
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