1KM Smart Thermal Image Network PTZ Camera

Key Features

- Powerful zoom: 37x optical zoom, 16X digital zoom (camera optional)
- Image high definition: 2560×1440P, 4MP
- Starlight level ultra low noise: 0.0005Lux@F1.5 (color) 0.0001Lux@F1.5 (B/W), 0Lux (IR)
- Control method: Ethernet / can pass IE browser and client software
- Thermal imaging: uncooled amorphous silicon type, focal length 75mm
- Pixels: 384 × 288 , 17μm
- Protection level: IP66
- Input power: AC24V, 3.0A

Product features

- The thermal imaging/visible light dual vision mode greatly improves the user's ability to recognize targets in complex environments. It can be widely used in security monitoring and fire warning monitoring;
- Using the latest generation of international uncooled infrared focal plane detectors, with low power consumption and high thermal sensitivity, it can clearly present the infrared thermal image of the observed object;
- Temperature measurement in the whole ambient temperature range (-40℃ ~ +60℃)
- With temperature threshold alarm function, over-temperature alarm, alarm linkage
- 75 mm dedicated thermal imaging lens
- Support image detail enhancement function
- Support noise reduction/electronic zoom function
- Support H.264 / H.265 encoding optional, strong compatibility, network transmission stream is smaller, image quality is better
- Real-time dual-stream output, which can meet the needs of local video storage and network transmission
- Support humanoid detection
- Support cross-line alarm
- All-weather environmental design, high-strength aluminum alloy precision-cast shell, impact resistance, corrosion resistance, protection level up to IP66
- Worm gear and worm drive, self-locking protection function when power off, anti-strong wind, stable and reliable operation
- Automatic matching function of focal length and running speed
- Horizontal 360° continuous rotation, vertical -90° (looking down) to +90° (looking down), positioning accuracy can reach ±0.1°
- Support preset position, cruise scan and other functions

Technical parameters

Model	SVN-37PTX905
Camera	
Sensor	1/1.8" Progressive Scan CMOS
Total pixels	4MP
Minimum illumination	Color:0.0005Lux@(1.5,AGC ON), b/w:0.0001Lux(1.5,AGC ON)
S/N	＞52dB
Video resolution	50Hz: 25fps (2560*1440,1920*1080, 1280* 960, 1280*720);
	60Hz: 30fps (2560*1440, 1920* 1080, 1280*960, 1280* 720)
Lens focal length	F=6.5~240mm, 37x optical zoom
Lens aperture	F1.5~4.8
view angle	70.0-2.511 °(telephoto-wide angle)
Zoom speed	4S
Near camera distance	100mm~1500mm
Day/Night Switch	ICR
Thermal imaging camera	
Detector type	Vanadium oxide uncooled focal plane detector
Resolution	384×288
Wavelength band	8～14μm
Lens focal length	75mm
Pixel spacing	17μm
Image mode	HDR : Haitian mode, world mode
PTZ	
Pan Range	360° Continuous
Speed (H)	0.1～100°/S
Tilt Range	-90～45°
Speed (V)	0.1～20°/S
Positioning accuracy	0.1°
Presets	255
Automatic cruise	8 , the focal length matches the speed of the gimbal
Watch function	On/Off, automatically call the preset point after the specified time in the idle state
Video compression	H.264//MPEG4/ H.265
Audio compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Baud rate	2400/4800/9600/19200bps
Drive structure	Vertical drive: worm gear / horizontal drive: timing belt
Output port	1 CH alarm output / 1 CH relay output
Accessibility	
Fan/heating	Real-time temperature detection; low temperature start, pure physical detection
Waterproof respirator	Built-in 2 waterproof respirators to reduce fog and condensation
General	
Power Supply	AC24V/50Hz
Power Consumption	60W
Working Environment	-40℃～60℃,0～95%(no condensation)
Protection level	IP66, built-in 4000V lightning protection, anti-surge and anti-surge protection
Installation method	Column, wall, corner
Entry cable	Side outlet / lower end outlet optional
Dimension	L330.0mm×W233mm×H433mm
Product weight	10kg

Bearing weight	≤8kg (including movement cover)
Bearer mode	Top load

Thermal imaging + visible imaging, Real-time Monitor
● Pan Range:360° Continuous,Tilt Range:-90～45°
● Dual-channel imaging, complementary day and night
● Speed(H):0.1～100°/S,Speed(V):0.1～20°/S

Wide working temperature, Smart defogging
● Built-in temperature control chip, silicone heater
● High temperature:60℃±2℃,Low temperature:-40℃±2℃
● Built-in Smart defrost and defogging parts

Remote cleaning window, clear image
● Support for configuring water tanks and nozzles
● Support for calling special presets, background control
● Water shortage alarm function

Precision parts for longer life
● The pulley is made of precision aluminum alloy
● The housing is made of precision die-cast aluminum
● Use a wider width drive belt

Turbine Worm Drive ，Self-locking Safety
● Precision drive of turbine worm, smooth operation and low noise
● Self-locking to ensure safe use of core components

Waterproof and breathable, pressure balanced
● 2 waterproof breathable valves built into the shield
● Balanced pressure and better sealing performance

Dimension