

640*512 Thermal imager 7mm Lens

+4MP 6mm Focal Length Visible Camera



Key Features

- 640*512 7mm lens thermal camera + 2592*1536 6mm fixed lens Visible Camera
- Fire point detection, high temperature detection; area intrusion, boundary crossing, entry/exit zone detection.
- Support 1 line temperature measurement, 9 frame temperature measurement, 10 point temperature measurement, 2 irregular area, 2 round area temperature measurement, Full-screen maximum and minimum temperature positioning.
- Temperature measurement range: -20℃-150℃; extendable to 550℃; Temperature measurement accuracy: ±2℃ or ±2% of the reading (take the larger value).
- Support 2-channel alarm input, 2-channel alarm output.

Application

Applied to the electric power industry, chemical disposal centers, combustible warehouses, petrochemical plants, coal mines and other industrial sites, the need for real-time monitoring of the temperature of key locations, in order to prevent the occurrence of hazardous events scenarios.

Technical parameters

Model	SVN-DC13P
Thermal imager Camera	
Detector type	Vanadium Oxide Uncooled Focal Plane Detector
Image resolution	640*512
Pixel size	17μm
Detector NETD	≦40mK@25℃
Response band	8~14μm
Package Type	wafer-level
Lens Type	Fixed, F1.0
Focus Control	7 mm
Visible Camera	
Image Sensor	1/2.8" CMOS
Resolution	2592×1536
Minimum illumination	0.002Lux/F1.5 (Color), 0.0002Lux/F1.5(B/W)
Infrared fill light	30m
Digital zoom	Support
Automatic Gain Control	ICR Infrared Filter Type

Focal Length	6mm
Image processing	
Digital video	H.264
Main stream image	Visible Camera: 25fps (2592×1536,1920×1080,1280×720) 30fps (2592×1536,1920×1080,1280×720) Thermal imaging Camera: 25fps (720×576)
Boot time	10s
Image processing	Non-uniformity Correction, Intelligent Gain Control, Digital Detail Blending Enhancement, 3D Noise Reduction
Palette	Supports 10 color palettes including black hot, white hot, iron red, rainbow, etc. /Customizable
Image mirroring	Left, right, up, down, center
Functionality	
Abnormal temperature alarm	Support temperature abnormality alarm
Temperature measurement function	Full-screen maximum and minimum temperature positioning
	Supports 1 line, 9 frames, 10 points, 2 irregular areas, 2 elliptical areas for temperature measurement
	Temperature range: -20℃~150℃ (extendable to 550℃) @ -10~50℃.
	Temperature measurement accuracy: $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ (whichever is greater) no black body
	Supports reflected temperature, atmospheric temperature setting, target range correction, and emissivity correction.
Alarms	IP conflict, linkage alarm function
Network	
Ethernet Type	100Mbps
Network protocol	IPV4, HTTP, FTP, RTSP, RTCP, RTP, TCP, UDP.
Concurrent access	20 CH
Safe mode	Authorized Users and Passwords
Access standard	Private SDK, ONVIF, GB/T28181
Data interface	
Compressed data	H264 video, standard JPEG images
System integration	
Communications interface	RJ45, Network Transmission
	1CH RS485
PTZ control	Pelco-D protocol, RS-485 interface
Alarm Input/Output	2 in/2 out
General	
Power supply	DC12
Power consumption	2.2W
Product Dimension	86.7mm*109.5mm*254.7mm
Weight (without accessories)	958g (without stand)
Waterproof grade	IP66
Operating temperature/℃	-30℃ ~ +60℃
Storage temperature/℃	-45℃ ~ +75℃
Humidity/RH	≤95%

Structural dimensions(mm)

