

HC-IPC-SD464TH



Product Features

- Clearer and farther image with the latest 12μm infrared detector and leading algorithm
- Visual and thermal dual-spectrum imaging for 24/7 safety surveillance
- Support intelligent behavior analysis such as dual-spectrum region intrusion and cross-border intrusion, support AI human-vehicle recognition
- Support professional temperature measurement analysis tools and intelligent fire detection algorithm
- Support multi-event linkage alarm and audible-visible alarm
- Support intelligent scene configuration, support multiple scanning mode and target tracking
- Integrated with $\pm 0.05^\circ$ high-accuracy PTZ, 200°/s high rotation speed
- All-metal integrated body with IP66 encapsulation rating, support self-sensing wipers
- Provide NVR and client software VMS, support standard interface protocols such as ONVIF, GB28181 and SDK for secondary development



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Specifications :

THERMAL CAMERA

Sensor Type	VOx, uncooled FPA detector
Spectral Range	8~14μm
NETD	≤35mK (@25°C, F#1.0,25Hz)
Resolution	640×512
Pixel Pitch	12μm
Lens Focal Length	9.1mm / 13mm / 25mm / 50mm
Focus Mode	Athermalized fixed focus/motorized focus
FOV	48°×38° / 33°×26° / 17°×14° / 8.8°×7.0°
F#	1.0
Spatial Resolution	1.32mrad / 0.92mrad / 0.48mrad / 0.24mrad
Color Palettes etc.	20 modes available such as Whitehot/Blackhot/Rainbow, etc.

VISIBLE

Sensor	4MP 1/1.8" Progressive Scan CMOS
Resolution	2560×1440
Lens Focal Length	6.5~240mm
Focus Mode	Auto/Semi-auto/Manual
FOV	60.4°×35.9°~2.1°×1.2°
Day/Night	ICR Auto / Digital color to B/W
IR Illuminator	Max. supplement light range: 200

PAN TILT

Pan Range	360° continuous rotation
Pan Speed	0.1°~200°/s
Tilt Range	-27°~90°, support auto flip
Tilt Speed	0.1°~120°/s
Presets	1024
Scan Mode	Preset/Tour/Pattern Scan/ Linear Scan/Area Scan



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NETWORK

Protocols	IPv4, HTTP, HTTPS, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Interoperability	ONVIF, GB28181, SDK
Simultaneous Live View	Max. 8
User Management	Up to 20 users, divided into 3 levels: administrator, operator and ordinary user
Browser	Support browsers such as Chrome, Mozilla Firefox, Edge, etc,
Audio Compression	G.711a/G.711u/AAC/PCM
Video Compression	H.264/H.265
Main Stream	Visible: 50Hz: 25fps (2560×1440, 1920×1080) 60Hz: 30fps (2560×1440, 1920×1080) Thermal: 50Hz: 25fps (1280×1024, 1024×768) 60Hz: 30fps (1280×1024, 1024×768)
Sub Stream	Visible: 50Hz:25fps (1920×1080, 1280×720, 704×576, 352×288) 60Hz: 30fps (1920×1080, 1280×720, 704×480, 352×240) Thermal: 50Hz:25fps (640×512) 60Hz:30fps (640×512)

TEMPERATURE MEASUREMENT FUNCTION

Temperature Measurement Range	-20°C~+550°C
Temperature Measurement Accuracy	±2°C or ±2%, the larger value shall prevail
Temperature Measurement Analysis	Support temperature measurement tools such as full frame/ point/ line/ region and linkage alarm



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SMART FUNCTION

Fire Alert	Support fire detection
Smart Recording recording Malfunction Detection	Alarm trigger recording, disconnection trigger Support alarm trigger of network disconnection, IP address conflict, SD card error, illegal access, burning alert and abnormal detection
Smart Detecting	Support smart event analysis such as human-vehicle recognition, cross-border, region intrusion
Voice Talkback	Support two-way voice talkback
Alarm Linkage mail/	Video recording/Snapshot/alarm output/ sending PTZ linkage/Audible and visual

SYSTEM INTERFACE

Power Supply	AC 24V ±25% / DC 24V±15%
Communication	1 RJ45 self-adaptive 10M / 100M Ethernet port
Audio	1-channel audio input, 1-channel audio output, 1-channel built-in Speaker
Alarm Interface	7-channel alarm input, 2-channel alarm output
Memory	Support Micro SD card (maximum 256G)
Reset Button	Supported
Communication	1-channel RS485

GENERAL

Operating Conditions	-40°C~+70°C; <95%RH
Ingress Protection	IP66
Wiper	Support self-inductive wiper
Power Consumption	Max. 48W
Dimension(mm)	Φ250×413
Weight	8Kg



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