HC-IPC-DT4215-0280

Product Features

≥ With the latest 12µm IR thermal imaging detector and advanced IR image algorithm, it can make farther and clearer images

≥ Visible imaging and thermal imaging can meet the requirement for 24/7 security monitoring

≥ Smart analysis for actions such as tripwire intrusion and area intrusion are available

≥ The professional thermographic analysis tools and smart fire detecting algorithm is supported

≥ Support multi-event linkage alarm and sound-light alarm

≥ One-piece body design with encapsulation level IP67

≥ DC12 or PoE power supply is available

≥ The compatible NVR and VMS software are provided, ONVIF standard interface protocol and SDK for secondary development are available

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Specifications :

THERMAL

Detector Type	VOX, uncooled FPA detectors
Spectral Range	8~14μm
NETD	≤40mK (@25°C, F#1.0, 25Hz)
Resolution	256×192
Pixel Pitch	12μm
Focal Length	2.0mm / 3.2mm / 7mm
Focus Mode	Athermal fixed focus
FOV	90°x65.1° / 56.0°×42.2° / 24.8°×18.7°
F#	1.1 / 1.1 / 1.0
IFOV	6.0mrad / 3.75mrad / 1.71mrad
Palette	20 palettes available such as White-hot/Black hot/Rainbow

VISIBLE

Sensor	5MP 1/2.7" Progressive Scan CMOS
Max Resolution	2592×1944
Focal Length	2.8mm / 4mm / 8mm
Focus Mode	fixed focus
FOV	115°× 80° / 84°× 60.7° / 38°× 28°
Min. Illumination	0.0018Lux @(F1.6, AGC ON), 0 Lux with IR
WDR	120dB
Day/Night Conversion	ICR auto conversion/ Electronic color to B/W
DNR	3D NR
Filling Light	Infrared filling light, maximum filling distance 30m

DUAL-SPECTRUM

Dual-Spectrum Fusion	Support the thermal image to fuse visible image to improve the image details

PIP	support thermal image overlaid on visible image
Temperature Information Overlay	The camera displays a digital camera image with superimposed thermal imaging thermographic information

NETWORK FUNCTIONS

Network Protocols	IPv4, HTTP, HTTPS, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Interoperability	ONVIF, SDK
Number of Videos Previewed Simultaneously	Support up to 8 channels
User Management	Up to 32 users, divided into 3 levels: administrators, operators and users

VIDEO

Max. Resolution	2592×1944 (visible), 1280×960 (thermal)
Image Format	JPEG
Audio Compression Standard	G.711a/G.711u/AAC/PCM
Video Compression Standard	H.264/H.265
Main Stream	Visible:
	50Hz: 25fps ((2592×1944, 2560×1440, 1920×1080)
	60Hz: 30fps (2592×1944, 2560×1440, 1920×1080)
	Thermal:
	50Hz:25fps (1280×960, 1024×768)
	60Hz: 30fps (1280×960, 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 (640×480, 256×192)
	60Hz: 30fps (640×480, 256×192)

TEMPERATURE MEASUREMENT

Measuring Range	-20℃~+550℃
Measuring Accuracy	±2℃ Or ±2% (The Larger Value Shall Prevail)
Temperature Analysis	Whole Frame, Spot, Line, Region, Support Temperature Measurement Rules and Linkage Alarms

Smart Functions

Fire Warning	Support Fire Detection
Smart Video	Alarm Trigger Recording, Disconnection Trigger Recording
Smart Alarming	Support Triggering Alarm and Linkage Alarm of Network Disconnection, IP Address Conflict, Memory Error, Illegal Access and Burn Warning
Smart Detecting	Support Tripwire Intrusion, Area Intrusion
Voice Intercom	Two-Way Voice Intercom
Alarm Linkage	Video/ Snapshot/Email/Alarm Output/Sound and Light Alarm

System Interface

Power Interface	Dc 12v±25% / PoE(802.3af)
Communication Interface	1 RJ45 10m / 100m Self-Adaptive Ethernet Port
Audio Input	1 Channel Audio Input
Audio Output	1 Channel Audio Output
Alarm Input	1 Channel Dc 0~5v Alarm Input
Alarm Output	1 Channel Open Relay Output
Storage Interface	Micro SD Memory (Maximum 256GB)
Reset Button	Support
Rs485	1 Channel Rs485, Extended Pelco Protocols Are Supported

General Specification

Operating Temperature& Humidity	-40℃~+70℃；<95%Rh
Protection Level	IP67
Power Consumption	≤10w
Dimension (Mm)	Φ129×96
Weight	≤0.8kg

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