

HC-IPC-T4215T12-0400



Product Features

- With the latest 12 μ m IR thermal imaging detector and advanced IR vision algorithm, IRS-FB2252-T series can make farther and clearer images
- Visible imaging and thermal imaging can meet the requirement for 24-hour security monitoring
- Smart analysis for actions such as tripwire intrusion and area intrusion are available
- Support professional temperature measurement analysis tools and smart fire detecting algorithm
- Support multiple event linkage alarm and sound-light alarm
- One-piece body design with encapsulation level IP67
- DC12 or PoE power supply is available
- SDK, NVR and VMS client software are available



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Specifications :

THERMAL PARAMETERS

Detector Type	VOx, uncooled FPA detectors
Spectral Range	8~14μm
NETD	≤40mK @25°C, F#1.0
Max. Resolution	256×192
Pixel Pitch	12μm
Focal Length	3.2mm / 7mm / 10mm
Focus Type	Athermal fixed focus
FOV	56.0°×42.2° / 24.8°×18.7° / 17.5°×11.3°
F#	1.1 / 1 / 1
IIFOV	3.75mrad / 1.7mrad / 1.2mrad
Palette	20 palettes available such as Whitehot/Blackhot/Rainbow.

VISIBLE PARAMETERS

Sensor	5MP 1/2.8" Progressive Scan CMOS
Max. Resolution	2560×1920
Focal Length	4mm / 8mm / 12mm
Focus Type	Fixed focus
FOV	82°×59° / 39°×29° / 25°×18°
Min. Illumination	Color: 0.005Lux, Black&white:0.0005Lux, IR light on:0Lux
Wide Dynamic	120dB
Day/Night Conversion	ICR auto conversion/ Electronic color to B/W
Digital Noise Reduction	3D NR
Filling Light	Infrared filling light, maximum filling distance 30m

DUAL-SPECTRUM PARAMETERS

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

The camera displays a digital camera image with superimposed thermal imaging temperature measurement information

NETWORK FUNCTIONS

Network Protocols

IPv4, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP ONVIF, SDK

Interoperability

Support up to 8 channels

Number of Videos Previewed

Up to 32 users, divided into 3 levels: administrators, operators and users

Simultaneously

User Management

VIDEO PARAMETERS

Max. Resolution

2560×1920(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 (2560×1920, 2560×1440,1920×1080)

60Hz:30fps (2560×1920, 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, 320×288)

60Hz: 30fps (640×480, 320×240)



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TEMPERATURE MEASUREMENT

Measuring Range	-20°C~150°C,0°C~+550°C
Measuring Accuracy	±2°C or ±2% (The larger value shall prevail)
Temperature Analysis	Support full frame, spot, line, region 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 alarm
Smart Detecting	Support event analysis functions such as area intrusion, tripwire intrusion, dynamic detection analysis, etc.
Voice Intercom	Support two-way voice intercom
Linkage Alarm	Video/image/mail/ alarm output / sound and light alarm

SYSTEM INTERFACE

Power Interface	DC 12V±25% / PoE(802.3af)
Communication Interface	1 RJ45 10M/100M adaptive Ethernet port
Audio Input	1 channel audio input
Audio Output	1 channel audio output
Alarm Input	2 channel
Alarm output	1 channel
Storage Interface	Micro SD memory (maximum 256G)
Reset Button	Supported
RS485	1 channel RS485 and support Pelco protocol

GENERAL SPECIFICATION

Operating Temperature& Humidity	-40°C~+70°C ; <95%RH
Protection Level	IP66
Power Consumption	Max.< 6W
Dimension (mm)	265×99×87 (minimum length can be adjusted to 253)
Weight	950g



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