



Features

- On-board temp-detection algorithm
- Effective pixels 256×192
- Sensitivity ≤65mK
- Wide-angle lens
- 20 spots / 2 lines / 16 areas temperature detection
- 17 color control
- DVE image enhance
- Multi-bracket easy to install

THERMAL CAMERA

Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	256(H) × 192(V)
Thermal Sensitivity (NETD)	≤65mK @F1.0, 300K
Spectral Range	8~14um
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ ROI
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Lens Type	Fixed
Focus Control	Manual Focus
F No.	F1.0
Angle of View	H: 95°, V:75°

VISIBLE CAMERA

Image Sensor	1/2.8" Sony CMOS
Effective Resolution	1920 (H) × 1080(V)
Shutter Speed	1/5 ~ 1/20,000s
Min. Illumination	Color: 0.01Lux @(F1.2, AGC ON), B/W: 0.1Lux
S/N Ratio	More than 55dB
W-LED	1pcs
Max Aperture	F2.0
Angle of View	H: 136.2°, V: 77.3°
Focus Control	Fixed

VIDEO AND AUDIO

Compression	H.265, H.264, MJPEG
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps~6Mbps Visible: Main stream: 500Kbps~12Mbps; Sub stream: 100Kbps~6Kbps
Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	N/A

INTELLIGENCE

Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm
IVS	Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed

TEMPERATURE DETECTION

Detection Mode	Spot, Line, Areav
Detection Preset	Support 3 temperature measurement rule types, 20 rules (20 points / 2 lines / 16 regions)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤30ms
Effective temperature working environment	-20°C~60°C(-4°F~140°F)
Theory of temperature measurement range	-20°C~150°C(-4°F~302°F)
Temperature display mode	Temperature target >5°C, Display absolute temperature value, Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)

NETWORK

Ethernet	RJ-45 (10/100Base-T)
Protocols	IPv4 / IPv6, HTTP, RTSP / RTP / RTCP, TCP / UDP, DHCP, DNS, PPPOE, SMTP, SIP
Interoperability	ONVIF, CGI, SDK

NETWORK (CONT.)

Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	Micro SD card 128GB
Web Viewer	<IE11, Chrome, Firefox
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian

INTERFACE

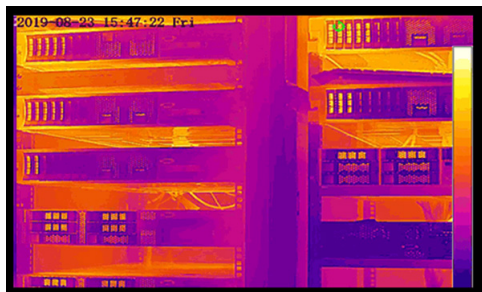
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio	N/A
Alarm	1ch Alarm Input, 1ch Alarm Output

RS485	Support
USB Interface	Support
CVBS Output	Support
Reset Button	Support(Built-in)
GENERAL	
Power Supply	DC12V
Power Consumption	Max 10W
Operating Temperature	-20°C~60°C(-4°F~140°F)
Storage Conditions	0~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	63 x 43 x 92 (mm)
Net Weight	450g

Optional

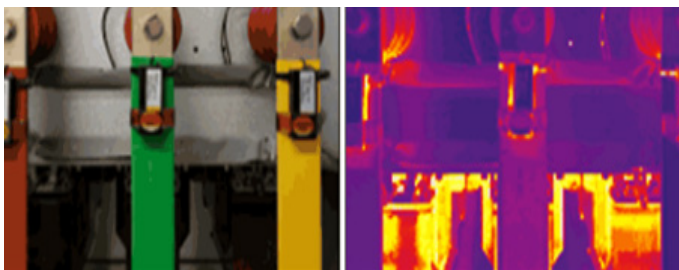


Super High Resolution



256 x 192

Widest Angle



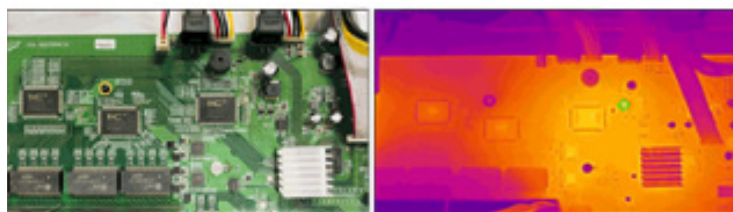
Visible Lens FOV:
H: 136.2°, V: 77.3°

Thermal Lens FOV:
H: 95°, V: 75°

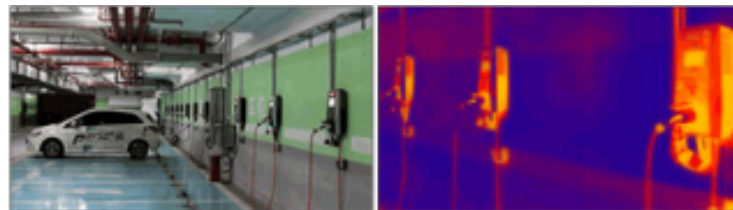
Application



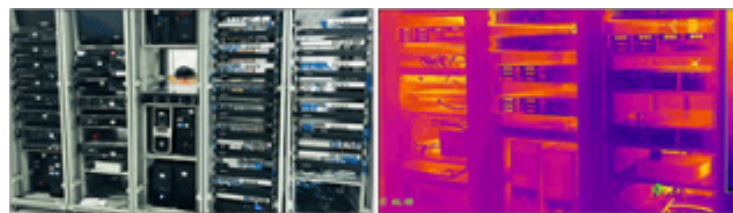
High Voltage Cabinet



Production Process Control



Charging Pile



Data Center



Pipe Rack