



PRO 6966IP-IVS

Dual-sensor Mini PTZ Thermal Camera

Siera manufactures reliable and affordable solutions in Electronic Security, CCTV, Access Control, Intercommunication and Professional Audio.

Featured specifications

- Uncooled VOx Micro bolometer with 400×300 resolution
- Sensitivity ≤40mK
- 25 mm motorized focus thermal lens optional
- Support 3 temperature measurement rule types (Spot, Line, Area)
- Reliable temperature-anomaly alarm
- Temperature measurement range: -40°C ~ 150°C (-40°F ~ 302°F)
- 17 color palettes
- Power off self-locking, strong wind resistance
- Anti-frozen
- FREE Siera DDNS
- FREE Siera VMS

THERMAL CAMERA

Image Sensor	Uncooled VOx Focal Plane Arrays 400×300
Resolution	Sensor is 400×300. Image can be scaled up to 704×576
Pixel Size	17 um
Thermal Sensitivity (NETD)	≤ 40 mK
Spectral Range	8 ~ 14 um
Image Setting	Brightness/Sharpness/Contrast/Mirror/FFC/3D DNR
Color Palettes	17 (White-hot/Black-hot/Rainbow/Ironbow etc.)
Lens Type	Fixed
Focus Control	Motorized Focus
Focal Length	25 mm
F No.	F1.0
Angle of View	H:15.4°, V:11.6°
Detection Distance Fire (1m*1m)	735 m
Detection Distance Man (1.8m*0.5m)	735 m
Detection Distance Vehicle (4m*1.5m)	2255 m
Recognition Distance Fire (1m*1m)	245 m
Recognition Distance Man (1.8m*0.5m)	184 m
Recognition Distance Vehicle (4m*1.5m)	564 m

VISIBLE CAMERA

Image Sensor	1/2.8" Sony CMOS
Effective Resolution	2048 (H)×1536 (V)
Shutter Speed	1/5 ~ 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.1 Lux
S/N Ratio	More than 55 dB
Focal Length	4.5 ~ 135 mm
Max Aperture	F1.6 ~ F4.4
Angle of View	H:59.8° ~ 2.3°
Optical Zoom	30x
Focus Control	Auto/Manual

INTELLIGENCE

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



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PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°
Pan/Tilt Speed	Pan: 0.01° ~ 30°/s, Tilt: 0.01° ~ 10°/s
Preset Speed	Pan: 0.01° ~ 30°/s, Tilt: 0.01° ~ 10°/s
Presets	400
PTZ Mode	8 Auto Scan, 12 Tour, 6 Track
Speed Setup	Auto/Manual (0-8)
Power Off Memory	Support
Idle Motion	Activate Preset/ Scan/Tour/Pattern if there is no command in the specified period
VIDEO AND AUDIO	
Frame Rate	Main Stream: Thermal: 704x576 @25/30fps Visible: 2048x1536 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640x360/CIF/QCIF/QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~12Mbps, sub stream: 100Kbps~6Kbps
Region of Interest	Off/On (8 Zone, Rectangle)
Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off/On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, AMR, RAW_PCM (Optional)
TEMPERATURE DETECTION	
Temperature Detection	Support 3 temperature measurement rule types (Spot, Line, Area)
Temperature Alarm	Over temperature alarm, Temperature difference alarm $\pm 20^{\circ}\text{C}$ / $\pm 2\%$
Accuracy	$\leq 30\text{ms}$
Response Time	$-40^{\circ}\text{C} \sim 150^{\circ}\text{C}$ ($-40^{\circ}\text{F} \sim 302^{\circ}\text{F}$)
Theory of temperature measurement range	Temperature target $> 50^{\circ}\text{C}$, Display absolute temperature value,
Temperature display mode	Temperature target $\leq 50^{\circ}\text{C}$, Display relative temperature value (temperature difference $\text{DEV} = \text{highest value} - \text{average}$)
NETWORK	
Ethernet	RJ-45 (10/100Base-T)
Protocols	IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	Local PC for instant recording Built-in Micro SD card, up to 256Gb
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
INTERFACE	
Ethernet	2 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	N/A
Alarm	1ch Alarm Out
RS485	Support
BNC Output	Support
Reset Button	Support (Built-in)
GENERAL	
Power Supply	DC24V
Power Consumption	Max 40 W
Working Temperature	$-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$ ($-4^{\circ}\text{F} \sim 140^{\circ}\text{F}$)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	322 x 192 x 163 mm (12.68 x 7.56 x 6.42 inch)
Net Weight	5 kg (11.0 lb)