

SATIR-CK640-L

Thermal & Optical Bi-spectrum PTZ Camera



Key Features

- VOx uncooled focal plane detector with 640×512 resolution
- NETD ≤ 35mK
- 75/100 mm motorized focus thermal lens optional, 40x optical zoom module
- Support human/vehicle detection and fire point detection
- Smart events: intrusion, single line crossing, double line crossing, loitering, wrong way, people counting, enter area, leave area
- Support 3 temperature measurement rule types (point, line, area)
- Support temperature monitoring and abnormality alarm
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)
- Power off self-locking, strong wind resistance
- Anti-frozen, IP66

Thermal Module	
Image Sensor	Uncooled Focal Plane Arrays
Resolution	Sensor is 640×512. Image can be scaled up to 1280×1024
Pixel Pitch	12µm
NETD	≤ 35 mK
Spectral Range	8 ~ 14 um
Image Setting	Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes
Thermal Lens	
Focus Control	Motorized Focus
Focal Length	75 mm 100mm
Aperture	F1.0 F1.0
Angle of View	H: 6°, V:5° H: 4.3°, V:3.5°
Detection Distance (Fire: 1*1m)	3125 m 4167 m
Detection Distance (Humans: 1.8*0.5m)	3121 m 4161 m
Detection Distance (Vehicles: 4*1.5m)	9583 m 12778 m
Recognition Distance (Humans: 1.8*0.5m)	780 m 1040 m
Recognition Distance (Vehicles: 4*1.5m)	2396 m 3194 m
Optical Module	
Image Sensor	1/2.8" Sony CMOS
Max. Resolution	2592 (H)×1520 (V), 4MP
Shutter Speed	1/5 ~ 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), B/W: 0.001 Lux
WDR	True WDR
Focal Length	4.98 ~ 199.3mm, 40x optical zoom
Aperture	F1.2 ~ F3.5
Angle of View	H: 59.1° ~ 1.8°, V: 41.6° ~ 1.7°
Digital Zoom	16x
Focus Control	Auto/Manual/Semi-automatic
Mirror	Support
Defog	Support
Privacy Masking	Support
Illumination Distance	IR distance up to 500m (1,640.4 ft)
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +90° ~ -90°
Pan/Tilt Speed	Pan: 0.01° ~ 60°/s, Tilt: 0.01° ~ 30°/s
Wiper	Support
Preset Accuracy	± 0.1°
Presets	400
Scan	8 scans, up to 32 presets per scan
Patrol	12 patrols, up to 32 presets per scan
Track	6 tracks
3D Positioning	Support
Speed Setup	Auto/Manual (0-8)
Power Off Memory	Support
Idle Motion	It can activate Preset/ Scan/Tour/Pattern if there is no command in the specified period

Video and Audio	
Main Stream	Thermal: 1280×1024, 1280×720, 640×512 @ 25/30fps Optical: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps
Sub Stream	Thermal: D1, CIF @ 25/30fps Optical: D1, VGA, 640×360, CIF, QCIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: Main stream: 100Kbps~8Mbps Sub stream: 100Kbps~6Mbps Optical: Main stream: 100Kbps~12Mbps, Sub stream: 100Kbps~6Mbps
Region of Interest	Off/On (8 Zone, Rectangle)
Audio Compression	G711: 8kbps, RAW_PCM: 16kbps
Smart Function	
Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm
Smart Detection	Support human/vehicle detection and fire point detection (ship detection optional)
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, Enter area, Leave area (these 7 function support accurate detection of people/vehicles) , People counting
Temperature Detection	
Temperature Detection	3 temperature measurement rule types (point, line, area)
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	±2°C / ±2%
Response Time	≤ 30ms
Temperature Range	-20°C to 150°C (-4°F to 302°F), -20°C to 550°C (-4°F to 1022°F) Customizable
Network	
Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Interoperability	ONVIF, CGI, SDK
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	2ch Audio In,2ch Audio Out
Alarm Interface	9ch Alarm In,4ch Alarm Out
RS485	Support
BNC Output	Support
Reset Button	Support (Built-in)
SD Card Slot	Built-in, up to 256GB
General	
Power Supply	DC36V
Power Consumption	Max 150 W
Working Temperature	-40°C~60°C (-40°F~140°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	594×350×337mm (23.39×13.78×13.27")
Net Weight	≤ 23Kg

Dimensions (mm)

