

SATIR-CK640-PRO

Thermal & Optical Bi-spectrum Heavy Duty PTZ Camera



Key Features

- VOx uncooled focal plane detector with 640×512 resolution
- NETD ≤ 35mK
- 30~150 mm motorized thermal lens, 86x 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)
- Temperature measurement range: -20°C ~ 150°C (-4°F ~ 302°F)
- Power off self-locking, strong wind resistance
- Anti-frozen, IP66

Thermal Module		Video and Audio	
Image Sensor	Uncooled VOx Focal Plane Arrays	Main Stream	Thermal: 1280×1024, 1280×720, 640×512 @ 25/30fps Optical: 2560×1440, 1920×1080, 1280×720 @25/30fps
Resolution	Sensor is 640×512. Image can be scaled up to 1280×1024	Sub Stream	Thermal: D1, CIF @ 25/30fps Optical: D1, VGA, 640×360, CIF, QVGA @25/30fps
Pixel Pitch	12μm	Bit Rate Control	CBR/VBR
NETD	≤ 35 mK	Bit Rate	Thermal: Main stream: 100Kbps~8Mbps Sub stream: 100Kbps~6Mbps Optical: Main stream: 500Kbps~12Mbps, Sub stream: 100Kbps~6Mbps
Spectral Range	8 ~ 14 um	Region of Interest	Off/On (8 Zone, Rectangle)
Image Setting	Brightness, Sharpness, Contrast, Mirror, FFC control, 2D/3D DNR	Audio Compression	G711: 8kbps, RAW_PCM: 16kbps
Pseudo-color Setting	White-hot/Black-hot/Rainbow/Ironbow etc. up to 17 modes	Smart Function	
Thermal Lens		Smart Alarm	Motion detection, Disk alarm, I/O alarm, IVS alarm, Temperature detection & alarm
Focus Control	Motorized Focus	Smart Detection	Support human/vehicle detection and fire point detection, (ship detection optional)
Focal Length	30 ~ 150mm	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
Aperture	F1.2	Temperature Detection	
Angle of View	H: 14.5°~ 2.9°, V: 11.6°~ 2.3°	Temperature Detection	3 temperature measurement rule types (point, line, area)
Detection Distance (Fire: 1*1m)	Max. 6,250 m	Temperature Alarm	Over temperature alarm, Temperature difference alarm
Detection Distance (Human: 1.8*0.5m)	Max. 6,242 m	Accuracy	±2℃ / ±2%
Detection Distance (Vehicle: 4*1.5m)	Max. 19,167 m	Response Time	≤ 30ms
Recognition Distance (Fire: 1*1m)	Max. 2,083 m	Temperature Range	-20℃ to 150℃ (-4°F to 302°F), -20℃ to 550℃ (-4°F to 1022°F) Customizable
Recognition Distance (Human: 1.8*0.5m)	Max. 1,560 m	Network	
Recognition Distance (Vehicle: 4*1.5m)	Max. 4,792 m	Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, 802.1x
Optical Module		Interoperability	ONVIF, CGI, SDK
Image Sensor	1/1.8" CMOS	Max. User Access	10 Users
Max. Resolution	2560 (H)×1440 (V), 4MP	Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Shutter Speed	1/5 ~ 1/20,000s	Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Min. Illumination	Color: 0.0005 Lux @ (F2.1, AGC ON), B/W: 0.0001 Lux	Interface	
WDR	True WDR	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Focal Length	10 ~ 860mm, 86x optical zoom	Audio Interface	2ch Audio In,2ch Audio Out
Aperture	F2.1	Alarm Interface	3ch Alarm In,3ch Alarm Out
Angle of View	H: 38.4° ~ 0.48°	RS485	Support
Digital Zoom	16x	BNC Output	Support
Focus Control	Auto/Manual	Reset Button	Support (Built-in)
Mirror	Support	SD Card Slot	Built-in, up to 256GB
Defog	Support	General	
Privacy Masking	Support	Power Supply	DC48V
PTZ		Power Consumption	Max 150 W
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: +45° ~ -45°	Working Temperature	-40℃~-60℃ (-40°F~-140°F)
Pan/Tilt Speed	Pan: 0.01° ~ 30°/s, Tilt: 0.01° ~ 15°/s	Storage Conditions	0 ~ 90% RH
Wiper	Support	Certifications	CE /FCC
Preset Accuracy	± 0.1°	Ingress Protection	IP66
Presets	400	Casing	Metal
Scan	8 scans, up to 32 presets per scan	Dimensions	730 × 443 × 636mm (28.74×17.44×25.04 inch)
Patrol	12 patrols, up to 32 presets per scan	Net Weight	≤ 48Kg (105.8 lb)
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		

Dimensions (mm)

