

CSP-I1280R IU-75mm

Thermal 360° monitoring



Intelligent Series



KEY FEATURES

- Adopt the latest 12μm uncooled infrared detector and advanced algorithms for clearer, longer-range imaging.
- 360° visual panoramic monitoring ensures 24/7, all-weather security coverage.
- Key component process improvement, significantly enhancing product reliability.
- Integrate with the audible-visual system to meet the requirements of critical infrastructures.
- Built-in embedded platform supporting intelligent recognition algorithms for targets such as people, vehicles, and vessels to enhance recognition accuracy.
- Multi-target trajectory tracking enables real-time alarm and tracking of intrusion targets such as people, vehicles, and vessels.
- Support ONVIF standard protocols, and provide SDKs with matched NVRs and software.



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SPECIFICATIONS

Image	
Sensor Type	Uncooled VOx infrared detector
Spectral Range	8 ~ 14μm
NETD	≤35mK(@25°C,F#1.0,25Hz)
Max. Resolution	1280×1024
Pixel Pitch	12μm
Focal Length	75mm
Image Resolution	39200×1024
Scan Speed	2.2s/360°
Focus Mode	Athermalization
FOV	360°×9.4°
F Value	F1.2
Spatial Resolution	0.16mrad
Palettes	Black-hot/White-hot/Rainbow/Other palettes optional (20 modes in total)
PTZ	
Pan Range	360°
Tilt Range	-20° ~ +35°
Stare Mode	Support
Privacy Mask	Support
Burn-in Warning	Support
Network functions	
Network Protocols	Network protocols such as IPv4, HTTP, HTTPS,FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP,RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Platform Access	ONVIF/SDK/API
Simultaneous Live View	Up to 8 channels
User Management	Up to 32 users, 3 Levels: Administrator, Operator,and User
Browser	Support browsers like Chrome and Edge in Chinese and English
Video	
Max. Resolution	28792×1024
Image Encoding Format	JPEG
Video Compression	H.264/H.265/MJPEG
Smart Functions	
Smart Recognition	Intelligent analysis algorithm and human/vehicle/vessel/bird/UAV classification
Smart Record	Triggered upon alarms or network failures (continue to transmit after recovery)
Smart Alarm	Support abnormality detection and linkage alarm for network cable disconnection, IP address conflict, memory error, and illegal access
Smart Detecting	Support detection of regional intrusion and tripwire intrusion
Alarm Linkage	Video taking/Image capture/Email/Linked PTZ/Alarm output
System Interfces	
Power Interface	DC18v~36v (typical voltage 30 V)
Communication Interface	One RJ45 10 M/100 M adaptive Ethernet port
Storage Interface	Support Micro SD card (up to 1TB)
Communication Port	1-channel RS422 interface, supporting Pelco protocol expansion

General	
Operating Temperature & Humidity	-40°C ~ +60°C; <90% RH
Protection grade	IP66
Power Consumption @25	Steady-state: ≤35W; Peak: ≤80W
Dimensions	382×260×386mm(W×H×L)
Mounting Type	Pedestal mounted
Weight	22kg
Effective Range	
Vehicle Detection Distance	9.5km
Human Detection Distance	3km
Vehicle Recognition Distance	2.4km
Human Recognition Distance	0.75km
Vehicle Identification Distance	1.2km
Human Identification Distance	0.39km

* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

DIMENSIONS (Unit: mm)

