

CSP-I640R IT-13/19/25

Thermal Imaging Bullet Camera

Intelligent Series



KEY FEATURES

- With the latest 12 μ m thermal imaging detector and advanced image algorithm, it can make farther and clearer images.
- Support professional temperature measurement analysis tools and smart fire detecting algorithm.
- Smart event analysis such as tripwire intrusion and area intrusion are available, support multiple event linkage alarm.
- Integrated body design with encapsulation rating IP66.
- Support DC12V or PoE.
- Support ONVIF standard protocols, SDK and accompanying NVR and software are available.



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SPECIFICATIONS

Thermal			
Detector Type	VOx, uncooled FPA detectors		
Spectral Range	8~14μm		
NETD	≤40mK(@25°C,F#1.0,25Hz)		
Max. Resolution	640×512		
Pixel Pitch	12μm		
Focal Length	13mm	19mm	25mm
Focus Type	Athermal fixed focus		
FOV	32.9°×26.6°	22.9°×18.4°	17.5°×14.0°
F#	1.0	1.0	1.0
IFOV	0.92mrad	0.63mrad	0.48mrad
Palette	20 palettes available such as Whitehot/Blackhot/Rainbow.		
Network functions			
Networ Protocol	IPv4,HTTP,HTTPS,QoS,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP		
Interoperability	ONVIF, SDK		
Number of Videos Previewed Simultaneously	Support up to 20 channels		
User Management	Up to 20 users, two levels: administrator and user		
Browser	Support IE and Chrome browser, Chinese and English are supported.		
Video Parameters			
Max. Resolution	1280×1024		
Image Format	JPEG		
Audio Compression Standard	G.711a/G.711Mu/AAC/ MPEG2-Layer2		
Video Compression Standard	H.264/H.265		
Main stream	25fps (1280×1024,1024×768)		
Sub stream	25fps (384×288)		
Temperature Measurement			
Measuring Range	-20°C~+550°C		
Measuring Accuracy	±2°C or ±2% (The larger value shall prevail)		
Temperature Analysis	Support temperature measurement tools such as full frame, spot, line, region and linkage alerts		
Smart Functions			
Fire Warning	Support fire detection		
Smart Video	Alarm trigger recording, disconnection trigger recording		
Smart Alarming	Support triggering alarm and linkage alarm of network disconnection, IP address conflict, memory error, illegal access and burn alarm		
Smart Detecting	Support event analysis functions such as area intrusion, tripwire intrusion, etc.		
Voice Intercom	Support two-way voice intercom		
Linkage Alarm	Video/image/mail/ alarm output / sound and light alarm		
System Interfaces			
Power Interface	DC 12V±25% / PoE(802.3at)		
Communication Interface	1 RJ45 10M/100M adaptive Ethernet port		
Audio Interface	1 channel audio input, 1 channel audio output		
Alarm Interface	2-channel alarm input, 2-channel alarm output		
Storage Interface	Micro SD memory (maximum 256G)		
RS485	1 channel RS485		

General Specifications

Operating Temperature & Humidity	-40°C ~ +70°C; <95%RH
Protection grade	IP66
Power consumption	≤4W
Dimension(mm)	319.5×121.5×103.6mm
Weight	≤1.5kg

Effective Range

Focal Length	13mm	19mm	25mm
Vehicle Detection Distance	1661m	2428m	3194m
Human Detection Distance	542m	792m	1042m
Vehicle Recognition Distance	415m	607m	799m
Human Recognition Distance	135m	198m	260m
Vehicle Identification Distance	208m	303m	399m
Human Identification Distance	68m	99m	130m

Effective Range for Intelligent Analysis

Focal Length	13mm	19mm	25mm
Target Recognition Distance (human)	102m	148m	195m
Target Recognition Distance (vehicle)	311m	455m	599m
Temperature Measurement (Target size:2mx2m)	361m	528m	694m
Temperature Measurement (Target size:1mx1m)	181m	264m	347m
Fire Detection (Target size:2mx2m)	1444m	2111m	2778m
Fire Detection (Target size:1mx1m)	722m	1056m	1389m

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

AVAILABLE MODEL

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DIMENSIONS (Unit: mm)

