Thermal Imaging Bullet Camera

FC460T

Product Features

- With the latest 12μm 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.

Product Specifications

Technical Specifications		Thermal Imaging Bullet Camera			
Thermal Parameters	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	9.1mm	13mm	19mm	25mm
	Focus Type	Athermal fixed focus			
	FOV	48°×38°	32.9°×26.6°	22.9°×18.4°	17.5°×14.0°
	F#	1.0	1.0	1.0	1.0
	IFOV	1.32mrad	0.92mrad	0.63mrad	0.48mrad
	Palette	20 palettes available such as Whitehot/Blackhot/Rainbow.			
Network Functions	Network 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℃~+550℃			
	Measuring Accuracy	±2℃ 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			

Technical Specifications		Thermal Imaging Bullet Camera
	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 Interface	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 Specification	Operating Temperature& Humidity	-40℃～+70℃; <95%RH
	Encapsulation Rating	IP66
	Power Consumption	≤4W
	Dimension (mm)	319.5×121.5×103.6mm
	Weight	≤1.5kg

Effective Range

The recommended distance of detection, recognition and identification for human (1.8×0.5m) and vehicle (1.4×4.0m) are as follows:
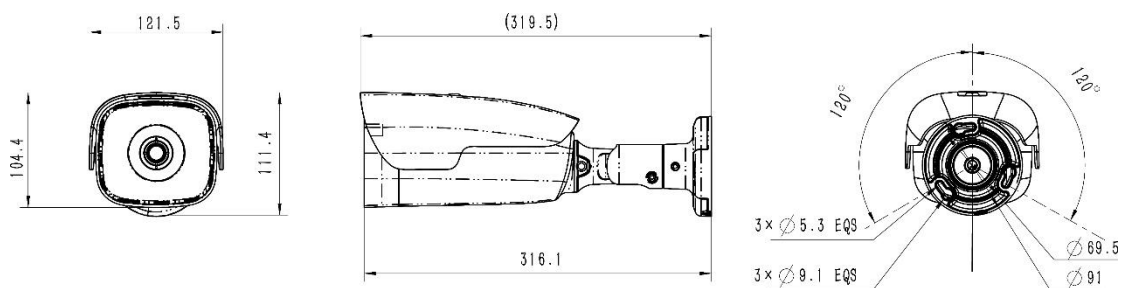
- DD stands for Detection Distance;

- RD stands for Recognition Distance;

- ID stands for Identification Distance;

Equipped Lens	DD (vehicle)	DD (human)	RD (vehicle)	RD (human)	ID (vehicle)	ID (human)
9.1mm	1163m	379m	291m	95m	145m	47m
13mm	1661m	542m	415m	135m	208m	68m
19mm	2428m	792m	607m	198m	303m	99m
25mm	3194m	1042m	799m	260m	399m	130m

Effective Range for Intelligent Analysis

Equipped Lens	Target Recognition Distance (human)	Target Recognition Distance (vehicle)	Temperature Measurement (Target size:2mx2m)	Temperature Measurement (Target size:1mx1m)	Fire Detection (Target size:2mx2m)	Fire Detection (Target size:1mx1m)
9.1mm	71m	218m	253m	126m	1011m	506m
13mm	102m	311m	361m	181m	1444m	722m
19mm	148m	455m	528m	264m	2111m	1056m
25mm	195m	599m	694m	347m	2778m	1389m

Structural Drawings

This datasheet is subject to change without prior notice. Please contact us to get the latest datasheet.