Dual-spectrum Bullet Camera Series

RFB465-T

Features

1.With the latest 12μm thermal imaging detector and advanced image algorithm, it can make farther and clearer images.

2.Visible imaging and thermal imaging can meet the requirement for 24/7 security monitoring.

3.Smart analysis for actions such as tripwire intrusion and area intrusion are available.

4.Support professional temperature measurement analysis tools and smart fire detecting algorithm.

5.Support multiple event linkage alarm and sound-light alarm.

6.One-piece body design with encapsulation rating IP67.

7.DC12 or PoE power supply is available.

8.ONVIF&GB28181 standard interface protocol, SDK, NVR and VMS client software is available.

Camera Specifications

Technical Specifications		RFB465-T				
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	35mm
	Focus Type	Athermal fixed focus				
	FOV	48°×38°	33°×26°	22°×18°	17°×14°	12.5°×10.0°
	F#	1.0	1.0	1.0	1.0	1.0
	IFOV	1.32mrad	0.92mrad	0.63mrad	0.48mrad	0.343mrad
	Palette	20 palettes available such as Whitehot/Blackhot/Rainbow.				
Visible Parameters	Sensor	5MP 1/2.8" Progressive Scan CMOS				
	Max. Resolution	2560×1920				
	Focal Length	4mm	6mm	6mm	12mm	12mm
	FOV	65°×50°	46°×35°	46°×35°	24°×18°	24°×18°
	Day/Night Conversion	ICR auto conversion/ Electronic color to B/W				
	Filling Light	Infrared filling light, maximum filling distance 40m				
Dual-spectrum Parameters	Dual-Spectrum Fusion	Support the thermal image to fuse visible image to improve image details				
	PIP	Support thermal image overlaid on visual image in PIP mode				
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, GB28181, SDK				

	Number of Videos Previewed Simultaneously	Support up to 20 channels

	User Management	Up to 20 users, three levels: administrator, operator and user
	Browser	Support IE browser, Chinese and English are supported.
Video Parameters	Max. Resolution	2560×1920(visible),1280×1024(thermal)
	Image Format	JPEG
	Audio Compression Standard	G.711a/G.711u/AAC/PCM
	Video Compression Standard	H.264/H.265
	Main Stream	Visible:
		50Hz:25fps(2560×1920,2560×1440,1920×1080,1280×720)
		60Hz:30fps(2560×1920,2560×1440,1920×1080,1280×720)
		Thermal:
		50Hz:25fps(1280×1024,1024×768)
		60Hz:30fps(1280×1024,1024×768)
	Sub stream	Visible
		50Hz:25fps(704×576,352×288)
		60Hz:30fps(704×480,352×240)
		Thermal:
		50Hz:25fps(640×512)
		60Hz:30fps(640×512)
Temperature Measurement	Measuring Range	-20℃~+550℃
	Measuring Accuracy	±2℃ or ±2%（The larger value shall prevail）

	Temperature Analysis	Support full frame, spot, line, region temperature measurement rules and linkage alarms
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 Interface	Power Interface	DC 12V±25% / PoE(802.3af)
	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 and support Pelco protocol
General Specification	Operating Temperature& Humidity	-40℃～+70℃； <95%RH
	Encapsulation Rating	IP67
	Power Consumption	≤8W
	Dimension (mm)	319.5×121.5×103.6mm
	Weight	≤1.8kg

Operating Distance

The recommended distance of detecting, recognizing and identifying for human (1.8×0.5m) and vehicles (1.4×4.0m) are as follows:

DD stands for Detecting Distance;

RD stands for Recognizing Distance;

ID stands for Identifying 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
35mm	4472m	1458m	1118m	365m	559m	182m

Drawing