

# Explosion-proof Dual-spectrum Bullet Camera

TE365



## Product Features

- Double explosion-proof certifications, explosion-proof standard: Ex d II C T6 Gb/Ex tb IIIC T80°C Db.
- With the latest 12 $\mu$ m thermal imaging detector and advanced thermal image algorithm, it can make farther and clearer images.
- Visible imaging and thermal imaging can meet the requirement for 24/7 security monitoring.
- Smart analysis for actions such as tripwire intrusion and area intrusion are available.
- Support professional temperature measurement analysis tools and smart fire detecting algorithm.
- 304/316L stainless steel body design with encapsulation rating IP68.
- ONVIF standard interface protocol, SDK, matched NVR and software is available.

## Product Specifications

Technical Specifications		Explosion-proof Dual-spectrum Bullet Camera	
Thermal Parameters	Detector Type	VOx, uncooled FPA detectors	
	Spectral Range	8~14μm	
	NETD	≤40mK@25℃,F#1.0	
	Max. Resolution	640×512	
	Pixel Pitch	12μm	
	Focal Length	9.1mm	13mm
	Focus Mode	Athermal fixed focus	
	FOV	48°×38°	32.9°×26.6°
	F#	1.0	1.0
	IFOV	1.32mrad	0.92mrad
	Palette	20 palettes available such as Whitehot/Blackhot/Iron/Rainbow.	
Visible Parameters	Sensor	5MP 1/2.8" Progressive Scan CMOS	
	Max. Resolution	2560×1920	
	Focal Length	4mm	6mm
	FOV	65°×50°	46°×35°
	Day/Night Conversion	ICR auto conversion/ Electronic color to B/W	
	Supplement Light	Infrared supplement light, maximum supplement distance 50m	
Dual-spectrum Parameters	Dual-Spectrum Fusion	Support the thermal image to fuse visible image to improve thermal 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, SDK	
	Number of Videos Previewed Simultaneously	Support up to 20 channels	
	User Management	Support multi-user, two levels: administrator and user	
	Browser	Support IE browser, Chinese and English are available.	
Video Parameters	Max. Resolution	2560×1920(visible),1280×1024(thermal)	
	Image Format	JPEG	

Technical Specifications		Explosion-proof Dual-spectrum Bullet Camera
	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.
	Linkage Alarm	Video/image/mail/ alarm output / sound and light alarm
System Interface	Power Interface	AC 85~260V, DC 12V (optional)
	Communication Interface	1 RJ45 10M/100M adaptive Ethernet port
	Audio Interface	1-ch input, 1-ch output
	Alarm Interface	2-ch input, 2-ch output
	Storage Interface	Micro SD memory (maximum 256G)
	R485 Interface	1-ch RS485, support extended Pelco
	Fiber Interface	Support fiber access

Technical Specifications		Explosion-proof Dual-spectrum Bullet Camera
<b>General Specification</b>	Operating Temperature & Humidity	-40℃ ~ +60℃; <95%RH
	Ex Rating	Ex d IIC T6 Gb/Ex tb IIIC T80℃ Db
	Encapsulation Rating	IP68
	Housing Material	304/316L stainless steel (used in corrosive environment)
	Power Consumption	≤8W
	Dimensions(mm)	275.5×186×203
	Weight	13kg
	Mounting	Multiple optional mounting types for different application environment

## 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:

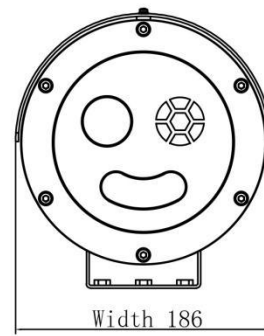
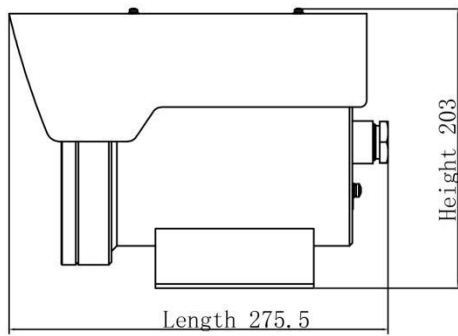
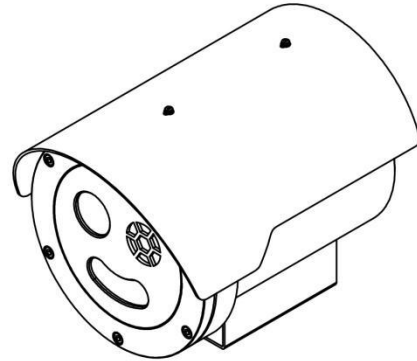
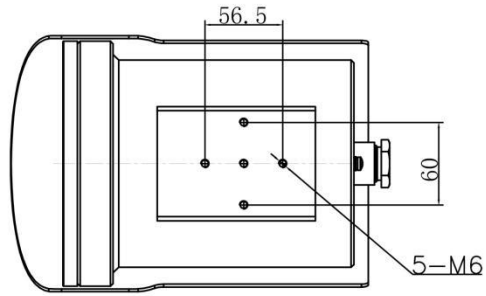
- DD stands for Detection Distance;
- RD stands for Recognition Distance;
- ID stands for Identification Distance;

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

## 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

## Structural Drawings



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