

# TE365

## Dual-Spectrum Explosion-Proof Bullet Camera

TE365 dual-spectrum explosion-proof bullet camera equipped with an HD visible light camera and a 640×512 thermal imaging camera. 304 or 316 stainless steel is using for housing to let the camera operate in hazardous area.



### 12μm Uncooled Infrared Detector

Adopting the latest 12μm uncooled infrared detectors, integrated with advanced infrared imaging algorithms for better image quality.

### Dual Explosion-Proof Certification

Certified with dual explosion-proof ratings for dust and gas: Ex db IIC T6 Gb, Ex tb IIIC T80°C Db.

### Fire Point Detection

Features an integrated intelligent fire detection algorithm for efficient and accurate monitoring.

### Dual-Spectrum Imaging

All-weather, 24/7 security monitoring with dual thermal&visible light imaging.

### Accurate Temperature Measurement

Measurement range from -20°C to 550°C, accuracy  $\pm 2^\circ\text{C}$  or 2%.

### Intelligent Video Analysis

Support tripwire/intrusion detection, as well as intelligent detection of fire point.

## Specifications

Technical Specifications		TE365
		Thermal Module
Detector Type		VOx, uncooled FPA detector
Spectral Range		8~14μm
NETD		≤40mK@25°C,F#1.0
Resolution		640×512
Pixel Pitch		12μm
Focal Length		9.1mm / 13mm
		Optical Module
Sensor		5MP 1/2.8" Progressive Scan CMOS
Resolution		2560×1920
IR Distance		50m
		Dual-Spectrum
Bi-Spectrum Image Fusion		Support
		Temperature Measurement
Measurement Range		-20°C~550°C
Measurement Accuracy		±2°C or ±2%
Measurement Rules		Support 4 temperature measurement rules (fullframe, point, line, area)
		Smart Function
Fire Detection		Support
VCA		Line Crossing & Intrusion detection
Linkage Action		Video/Snapshot/Email/Alarm output/sound and light alarm
		System Interface
Power		100~260V AC, 12V DC (optional)
Network		1×RJ45 10M/100M self-adaptive interface
Audio Interface		1×input, 1×output
Alarm Interface		2×input, 2×output
Storage Interface		Micro SD card (up to 256G)
RS485 Interface		1×RS485
Fiber Interface		Supports fiber access
		General
Work Environment		-40°C~70°C; <95%RH
Explosion Proof		Ex db IIC T6 Gb, Ex tb IIIC T80°C Db
Protection		IP68
Shell Material		304/316L stainless steel material, suitable for use in corrosive environments such as chemical and acid-base conditions.
Power Consumption		≤8W
Dimensions (mm)		275.5×186×203
Weight		13kg

## Application Scenarios



Petroleum



Chemical Industry



Pharmacy



Coal Mine

## Raythink Technology Co., Ltd.

✉ sales@raythink-tech.com

📞 +86-19806191838

🌐 www.raythink-tech.com

📍 Room 3002, Building 2, No.5 Wanshoushan Road, Fulaishan Street, Yantai Area of China (Shandong) Pilot Free Trade Zone

▪ This manual is illustrative only. Technical specifications are subject to change without prior notice.