Raythink

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 ±2°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℃,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℃~550℃
Measurement Accuracy	±2℃ or ±2%
Measurement Rules	Suport 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℃~70℃；<95%RH
Explosion Proof	Ex db IIC T6 Gb, Ex tb IIIC T80℃ 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

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