EX-PTZ-THERMAL Explosion-proof Anti-Corrosion PTZ Dual light Thermal Camera





The equipment shall be marked with the following:



Ex db IIC T6 Gb Ex tb IIIC T80°C Db Ta= -40°C \leq Tamb \leq +60°C

- 2-Megapixel 1/2.8" Progressive Scan CMOS, maximum resolution up to 1920 × 1080, clear and delicate images
- 44X optical zoom, fast and accurate focusing
- Support ultra-low illumination, 0.002 lux @ F1.2 (AGC ON) color,
 0.0002 lux @ F1.2 (AGC ON), black and white
- Support wide dynamic, 3D digital noise reduction, strong light suppression and other functions
- Support H.265/H.264 efficient compression algorithm, greatly reducing the bit rate
- Full-featured: heartbeat, PTZ control, alarm, audio, user management
- Intelligent wiper function, the wiper adopts automobile wiper blade, which has good weather resistance and easy replacement.
- Thermal Camera Built-in video compression coding, easy for network transmission Powerful IDE image detail enhancement algorithm.Intelligent high-temperature pre-alarming with various adjustable grades, higher detection efficiency, less
 - misinformation .Enbe dded intelligent analysis supports motion detection ,line crossing detection ,regional entry /exit detection ,and intelligent PTZ tracking .Proffessional photoelectrical zooming technology .AGC (automatic gain stability) ,3D noise reduction ,IDE.Double serial communication RS232 /RS485.
- 360° continuous rotation in the horizontal direction, -90° to +90° in the vertical direction, no monitoring blind zone, Rotation speed :0.1-40°/s adjustable.

Product Description

The series HD 2MP explosion-proof anti-corrosion PTZ Dual light thermal camera is fully-developed and specially designed for use in flammable and explosive hazardous areas that has iia, iib, iic flammable gas, and the ignition temperature group is zone 1 and zone 2 of the t1-t6 group. The flammable gas or the explosive mixture formed by steam and air is also applicable to the ignition temperature group. It is a place containing a combustible dust mixture in Zones 20, 21, and 22 of the t1-t6 group. Such as: petroleum, chemical, mine, military, medicine, oil depot, ship, drilling platform, gas station, fireworks production, grain processing and storage. Also widely used for maritime environment.

Built-in both visible camera and thermal camera which make it applicable in scenarios of zero visiblity and strong light source interference.

The system uses 304/316L stainless steel to ensure its good explosion-proof performance in hazardous areas. It has an absolute operating temperature range of -40°F 140 °F (-40°C 60 °C). This camera is properly sealed to prevent the intake of flammable dust and ensure strong corrosion-resistant capabilities.

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REZ 1.11.08.22

Technical Specifications of Visible Camera

Model Vandal Resistance Protection Level Visible Camera Image Sensor Signal System PAL/NTSC Minimum Illumination Day/Night Functionality Scanning System PAL/WSC More Patient Progressive Scan CMOS Signal System PAL/NTSC Minimum Illumination B/W: 0.0002 lux @ F1.2 (AGC ON); Illumination B/W: 0.0002 lux @ F1.2 (AGC ON) Illumination Illumi				
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		CE, ATEx, FCC		

Technical specifications of thermal camera

Characteristics/performan				
ce	ThermEye3-T	ThermEye6-T		
Infrared thermal imaging parameters				
Type of detector	Non-cooled microthermometer			
Resolution/pixel spacing	384*288/17μm	640,480/17um		
Sensitivity	≤60 mk@300mk	≤60 mk@300mk		
Frame frequency	25Hz			
Response band	8~14μm			
Optical properties				
Focal Point	Fixed lens 9 / 15 / 19 / 25 / 35 / 40 / 50 / 75 / 100 / 150 mm optional			
Focus	Manual/automatic (electric lens supports auto-focusing)			
Image processing				
Network image resolution	720 x576	640 x 480		
Analog image resolution	720 x576	640 x 480		
Frame stream image frame rate	25 fps: 720x576 25	25 fps: 640x 480 25		
Frame rate of sub-stream image	25 fps: 352x 288 25	25 fps: 352x 288 25		
Thermal Image Mode	HDR(wide dynamic) mode, sea and sky mode, heaven and earth mode			
Image enhancement	IDE(image detail enhancement)			
Palettes	9 color palette options (including iron red, rainbow, black and white, etc.), custom color palette			
Network		-		
Network protocol	TCP/IP, ICMP, HTTP, DHCP, DNS, RTP, RTSP, IGMP, 802.1 X, ONVIF (Profile S)			
Video compression standard	H.264			
Number of video links	Up to 10 at the same time			
Number of users	Up to 10 users			
Radiation Temperature Measurement Function				
Object Temperature Measurement Function	-20°C -+120°C,0°C -+300(customizable)			
Accuracy of temperature measurement	±5°C or 5% of readings			
Temperature measurement method	Support global, point, line, rectangle and other temperature measurement methods			

Accessories



Bracket



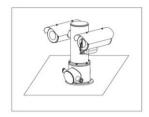
Ex-Proof hose

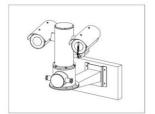


Ex-Proof Junction Box

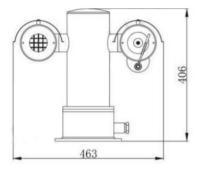
2

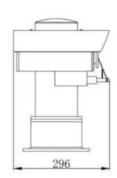
Mounting



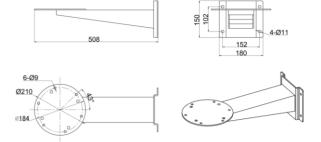


Dimensions





Mounts Dimensions



Unit: mm