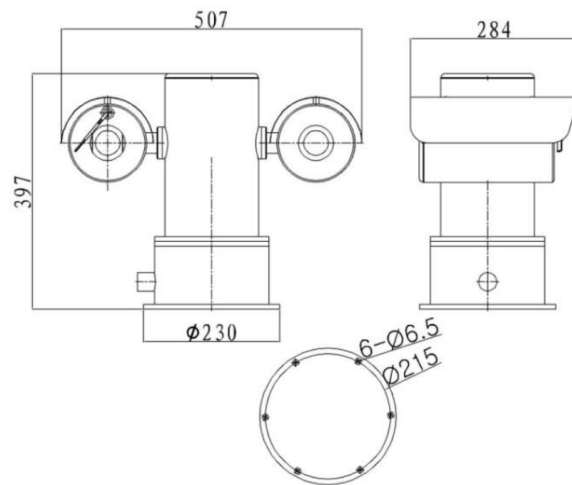# Stinger IR Camera Specifications

Application Environments

Applicable for the factories having the explosive mixtures formed from class IIA,IIB and IIC T1-T6 group flammable gas, steam with air in area No.1 , No.2, and appearing the explosive hazardous area due to the mixture of flammable dust and air in area No.20,No.21 and No.22,such as oil field, chemical plant, port, oil storage, steamship, oil drilling platform, gas stations, coal mine, aviation, military, medicine, steel, firecrackers production, machinery, food processing and storage and so on.

Features

●Highly integrated explosion-proof PTZ, explosion-proof decoder, smaller volume and lighter, more intelligent and advanced function.
●SONY zoom camera, 30x optical zoom, 12x digital zoom
●Apply for severe dangerous environment with variety flammable gas and dust, double side loading type design, camera,   infrared lamp and other auxiliary lighting equipment can be collocated with.
●Stainless steel material, integrated design, the window adopts double plate water-proof tempered glass, impact resistance, good shielding and heat dissipation.Explosion-proof, dust-proof, water-proof, rust-proof.
●360°horizontal rotation, -90°~+90°vertical, omni bearing monitor suspicious target.
●PD/PP protocol self-adaptive, RJ45 communication method.
●RJ - 45 control functions, compatible with a variety of communication protocols and baud rate, and also able to react to various host orders.

●Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%, eliminate infrared light halo completely.

●Invisible nano wiper，non-stick water, non-stick oil, dust-proof.

●Semiconductor thyristor temperature control module is selectable, it can achieve automatic heating and cooling function.

●Adopt SONY-CV7520A zoom module，effective pixels: 2.13MP

●30X zoom，12X electronic zoom，focal length 4.3MM~129MM,aperture from F1.6 to F 4.7, FOV : up to 63.7°。

●Super WDR function，up to 120DB，own anti shake DSP ,defog and starlight level night vision function，color state minimum illumination can up to 0.01LX, black state minimum illumination can up to 0.0008LX

●24 hour time show；

●RJ45 two levels lightning protection, surge；

●Support H.264 & H.265 video coding, support dual stream, support stream : 0.1M~8Mpbs adjustable，frame rate：25 FPS, support 1~25 FPS/Seconds adjustable；

● RJ45 interface

● Network transparent transmission channel，can use Sony VISAC protocol to control camera

● Free PC client software and windows Linux android iso platform S D K for second development

●Optics class toughened ultra-clear white explosion-proof glass, flux rate higher than 96%, eliminate infrared light halo completely.

●Invisible nano wiper，non-stick water, non-stick oil, dust-proof.

●Semiconductor thyristor temperature control module is selectable, it can achieve automatic heating and cooling function.

Technical Parameter

Model	TPT-Ex-S2DB02
Certificate of Conformity	
Marking	II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T(Max 80⁰C) Db
Cer.No.	IEP 17ATEX 0549
Mechanical Features	
Material	304 Stainless Steel
Surface Treatment	Original Stainless Steel Color, Electropolishing Optional
Ingress Protection	IP68
Rotation Angle	Horizontal 0°~360°,Vertical-90°~+90°
Rotation Speed	Horizontal 0.1°/s~30°/s, Vertical 0.1°/s~30°/s
Communication Method	485

RJ - 45 Protocols	Pelco-P, Pelco-D, self-adaptive
Communication Baud Rate	2,400/4,800/9,600/19,200 bps
Interface Spec	G-1/2"
Weight	≤28kg
Automatic Scanning	1 (Menu control can set 5)
Automatic Cruise	1 (Menu control can set 8)
Tracking	1 (Record 200 instructions)
Max Carrying Capacity	10kg
Method of Installation	Wall Mounting & Upright Platform Installation
Camera	
Camera Type	Sony Original Camera, 1/2.8-type Exmor R CMOS
Image resolution	1080p/59.94,1080p/50, 1080p/60, 1080p/30, 1080p/29.97, 1080p/25, 1080i/59.94, 1080i/50, 1080i/60, 1080i/30, 720p/59.94, 720p/50, 720p/60, 720p/30, 720p/29.97, 720p/25, NTSC*1, PAL*1
Minimum Illumination	Color: 0.01 Lux (F1.6，AGC on, 1/30s) B/W: 0.01Lux @ (F1.6，AGC ON)
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Gain	16 leves adjustable
BLC	OFF/Up/Down/Left/Right/Middle/Auto
Electronic Shutter	1/1s~1/30,000s
Lens	
Focal Length	4.3MM~129MM, 30x Optical Zoom
Zoom Speed	Approx.2.7s (Optical Lens, Wide-Tele)
Aperture Range	F1.6 to F 4.7,
Electrical Features	
Power Supply	AC220V
Working Current	≤2000mA
Electrical Connectivity	Composite Cable
Automatic Mode	Automatic Cruise or Any Setting Two Rounds
Pre-position	256 Location(Selectable)
Pre-position accuracy	Automic Correction Error
Environmental	
Rated Temperature	（-30℃，+70℃）
Atmospheric Pressure	80-106KPa
Relative Humidity	≤95%RH(+25℃)

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