

## Explosion-proof Submariner Camera



### 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

- Integrate explosion-proof camera and infrared lamp with intelligent design,IR lamp turned on automatically when lack of visible light.
- 30m~60m visible infrared distance, high quality image showed even in badly lighting areas.
- Optics class toughened ultra-clear white explosion-proof glass,flux rate higher than 96%.
- Invisible nano wiper, non-stick water, non-stick oil, dust-proof.
- Made by high quality stainless steel, explosion-proof, dust-proof, water-proof, rust-proof.
- Semiconductor thyristor temperature control module is selectable, it can achieve automatic heating and cooling function.

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#### Showroom

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## Technical Parameter

|                                  |  |
|----------------------------------|--|
| Model                            | <b>TPC-Ex-SH-I</b>   |
| <b>Certificate of Conformity</b> |  |
| Marking                          | Ex d II C T6 Gb/EX tD A21 IP68 T80°C                         |
| Cer.No.                          | CNEx16.0523X   |
| <b>Mechanical Features</b>       |  |
| Material                         | 304 Stainless Steel  |
| Surface Treatment                | Stainless Steel Original Color,<br>Electropolishing Optional |
| Ingress Protection               | IP68   |
| Interface Spec                   | G-3/4"   |
| Weight                           | ≤8kg   |
| Method of Installation           | Wall Mounting  |
| Electrical Connectivity          | Composite Cable  |
| <b>Camera</b>                    |  |
| Sensor Type                      | 1/2.8" Progressive Scan CMOS                                 |
| Image resolution                 | 1080P  |
| Lens                             | 2.8-12mm   |
| Signal-to-Noise Ratio            | >52db  |
| Min. Illumination                | 0Lux(infra-red on)   |
| Infrared Distance                | 30m  |
| Switch                           | Auto Switch  |
| <b>Environmental</b>             |  |
| Rated Temperature                | (-30°C , +70°C )   |
| Atmospheric Pressure             | 80-106KPa  |
| Realative Humidity               | ≤95%RH(+25°C)  |

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