Make industry producing be safer

SGC-EX-MS700

Key Features

• Integrate explosion-proof camera and infrared lamp with intelligent design, IR lamp turned on automatically when lack of visible light, IR CUT shifted day and night, high quality clear detailed vivid picture

• Based on the second generation SONY EFFIO Super HAD/Exview HAD project ultra high pixel 960H (PAL: 976*582) CCD, the highest resolution of analog cameras up to 700TVL

• Photographic properties dramatically increase, the Minimum illumination as low as colour 0.001Lux@F1.2

• The fourth generation newest broad dynamic technology，dynamic range greater than 75dB，effects increase obviously

• Process the original signal through 3D digital noise reduction technology so as to make crisp, bright pictures at night

• Visible distance up to 15 meters with infrared night vision function, high quality image showed even in badly lighting areas

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

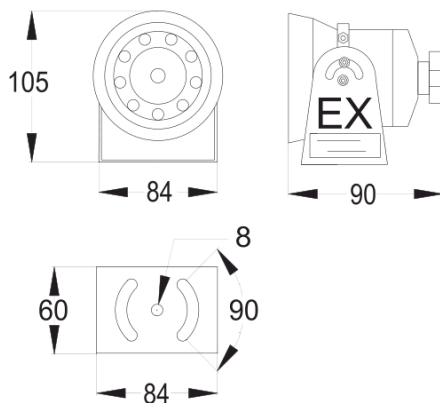• Invisible nano wiper, non-stick water, non-stick oil, dust-proof.

The leading brand of China explosion-proof monitoring

• 304【316】 Electro-polished stainless steel surface processing, elegant structure，

explosion-proof,dust-proof, water-proof, rust-proof

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.

Outer Dimension

Units: mm

Product Parameter

Model：SGC-EX-MS700
Certificate of Conformity
（1）Marking：ATEX / ExdⅡCT6 / DIP A20 TA,T6
（2）Cer. No.：CNEx11.0277
Mechanical features
（1）Material：304 Stainless steel【316 optional】
（2）Surface treatment ：Fluorine-carbon spray processing
（3）Ingress Protection：IP68
（4）Interface spec：G-1/2"
（5）Weight：≤1.2kg
（6）method of installation：Ceiling type & wall mounting

（7）Outer Dimension：105mm（L）*90mm（H）

Electrical features

（1）Input voltage：12VDC

（2）Working current：≤1A

（3）Camera

Image sensor：1/3 SONY Super EFFIO HAD /Exview HAD II CCD Sensor

Resolution：480TVL/540TVL/600TVL/700TVL

Lens：4mm/6mm/8mm/12mm

Signal-to-Noise Ratio：＞75dB

Minimum Illumination：0Lux(infra-red on)

（4）IR

switch：AUTO≤10LUX

distance：15—30m

Wavelength：850nm

（5）Electrical Connectivity：Composite cable

Environmental

（1）Rated Temperature:：-30℃~ +70℃

（2）Atmospheric Pressure：86~106kpa

（3）Relative Humidity：≤95%RH(±25℃)