

**SGC-EX-B1H1080P****Key Features**

- Highly integrated explosion-proof PTZ, explosion-proof decode infrared camera, smaller and lighter, more advanced intelligent function
- IR lamp turned on automatically when

lack of visible light, IR CUT shifted day and night, high quality clear detailed vivid picture

- Side loading type design, wide rotation angel, heaving loading ability
- Decoding system inside, support line scan, plane scan, automatic cruise and preset function, it also can wide range scan and multi-point monitoring.
- RS-485 control functions, compatible with a variety of communication protocols and baud rate, and also able to react to various host orders.
- Visible distance between 30 meters and 100 meters after automatic adjustment with infrared 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.
- 304(316) stainless steel surface treated with high-heat fluorine-carbon spray, explosion-proof,dust-proof, water-proof,rust-proof

- Optional temperature-controlled SCR semiconductor module to realize automatic heating and cooling functions

## 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.

## Product Parameter



**Model:** SGC-EX-B1H1080P

### Certificate of Conformity

- (1) Marking: Exd II CT6 / DIP A20 TA,T6
- (2) Cer. No.: CNEEx11.0335

### Mechanical features

- (1) Material: 304 Stainless steel **【316 optional】**
- (2) Surface treatment : Original stainless steel or Electro-polished surface (optional)
- (3) Ingress Protection: IP68

- (4) Interface spec: G-3/4"
- (5) Weight: ≤28kg
- (6) Method of installation: Wall mounting or Pole mounting
- (7) Outer Dimension: 325mm (L) \*415mm(W)\*370mm (H)
- (8) Horizontal rotation range: 0-355°
- (9) Vertical rotation range: ±90°
- (10) Level speed: 6 / SEC
- (11) Vertical speed : 4 / SEC

### Electrical features

- (1) Input voltage: **24VDC/220VAC**
- (2) Working current: **≤2A**
- (3) Camera movement: SONY EH6300, EH6500; Hikvision serices 720P,960P,1080P

Image sensor: 1/2.8-type Exmor™ CMOS image sensor

Resolution: 1920×1280,1280×720,720×480,720×576

Focal distance: 4.7-94mm/4.3-129mm

Zoom ratio: 20x optical\*16x digital/30 x optical \*16x digital

Signal-to-Noise Ratio: >52dB

Minimum Illumination: 0Lux(infra-red on)

(4) IR

switch: AUTO $\leq$ 10LUX

distance: 80/100m

Wavelength: 850nm

(5) Electrical Connectivity: composite cable

(6) Automatic mode: Automatic cruise or any setting two rounds

(7) Preposition: 256location (selectable)

(8) Reposition accuracy: Automatic error correction

## Environmental

(1) Rated Temperature: -30°C~ +70°C

(2) Atmospheric Pressure: 86~106kpa

(3) Relative Humidity:  $\leq$ 95%RH( $\pm$ 25°C)

## Outer dimension

