

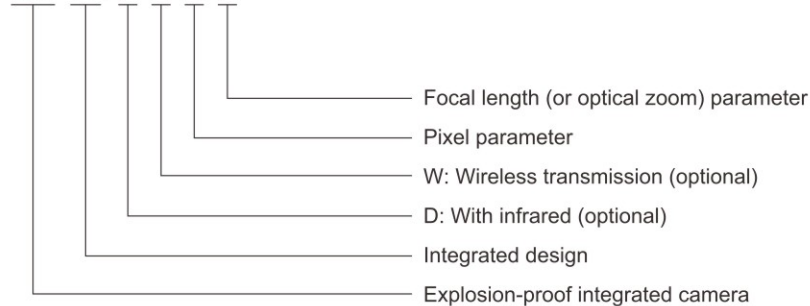
## SCS-JK Intelligent AI Video Image Analysis and Warning System BJK-YT/□ Series Explosion-proof Integrated Camera



- ◆ Explosion protection to
  - CENELEC
  - IEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
- ◆ Product features: intelligent control, intelligent monitoring, intelligent communication, intelligent recognition, intelligent analysis, intelligent monitoring.

### ■ Catalogue number logic

BJK - YT / □ □ □ □



### ■ Product features

- ◆ The explosion-proof integrated camera is used as a fixed terminal in intelligent video surveillance systems, enabling functions such as on-site video image acquisition and upload. The device supports multiple intelligent behavior detection features.
- ◆ It supports various trigger rule-based interactions.
- ◆ The product features infrared illumination, which can be optionally switched to white light illumination as needed.
- ◆ Ideal for comprehensive monitoring of key areas, the product allows continuous 360° horizontal rotation and ±90° vertical rotation.
- ◆ An intelligent temperature control unit can be optionally installed internally, enabling operation in harsh environments down to -40°C.
- ◆ Equipped with a wireless module, the device connects to platforms via 4G, 5G, Wi-Fi, or Internet networks.

# Zones 1&2; 21&22

# SCS-JK Intelligent AI Video Image Analysis and Warning System

## BJK-YT/□ Series Explosion-proof Integrated Camera

### Technical data

#### Explosion-proof Integrated Camera BJK-YT/□

<b>Explosion protection</b>	
Global (IECEX)	IECEX TUR 22.0054X
Gas and dust	Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Europe (ATEX)	TÜV 22 ATEX 8884 X
Gas and dust	Ⓔ II 2 G Ex db IIC T6 Gb Ⓔ II 2 D Ex tb IIIC T80°C Db
<b>Certificates</b>	IECEX; ATEX
<b>Conformity to standards</b>	IEC 60079-0, IEC 60079-1, IEC 60079-31, EN 60079-0, EN 60079-1, EN 60079-31
<b>Rated voltage</b>	176-264V AC, 24V DC
<b>Material</b>	304 stainless steel or 316 stainless steel
<b>Pixels</b>	2 million, 4 million, 8 million (optional)
<b>Optical zoom</b>	25x, 32x (optional)
<b>Focal length</b>	4.8~120mm, 5.9~188.8mm(Optional)
<b>Infrared function</b>	Optional
<b>Image sensor</b>	1/1.8" progressive scan CMOS
<b>Min. Illumination</b>	Color: 0.0005 lux; Monochrome: 0.0001 lux
<b>Signal-to-noise ratio</b>	>52dB
<b>White balance</b>	Manual white balance, indoor, outdoor, daylight, sodium lamp, auto white balance, auto tracking white balance, locked white balance
<b>Day/Night mode</b>	Auto ICX color-to-black
<b>Video compression</b>	H.264/H.265
<b>Angle adjustment</b>	Pan: 0°~360° continuous rotation, Tilt: -90°~90°
<b>Horizontal rotation speed</b>	0.1°/s~42°/s
<b>Vertical rotation speed</b>	0.1°/s~42°/s
<b>Intelligent features</b>	Supports region intrusion detection, boundary crossing detection, entry/exit region detection, loitering detection, crowd gathering detection, fast motion detection, parking detection, audio anomaly detection, motion detection, video obstruction detection
<b>Transmission method</b>	Wired, 4G/5G/WiFi (optional)
<b>Mounting bracket</b>	ZJ002 wall-mounted bracket
<b>Bracket material</b>	Q235 carbon steel, 304 stainless steel, 316 stainless steel (optional)
<b>Protection rating</b>	IP68
<b>Temperature range</b>	-40°C~+60°C
<b>Weight</b>	≤33kg



### Dimension drawings (all dimensions in mm) - subject to alteration

