

SCS-JK Intelligent AI Video Image Analysis and Warning System

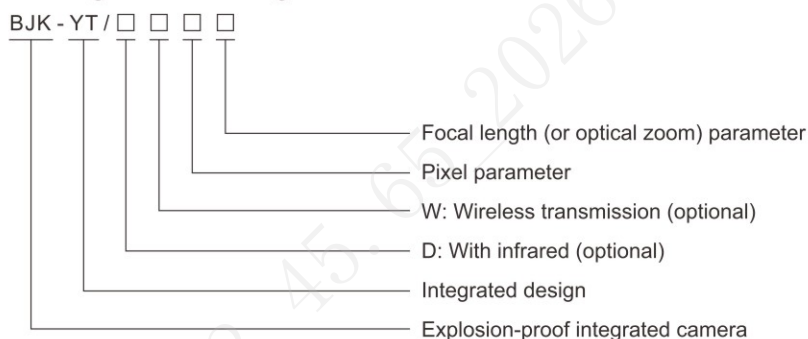
BJK-YT/□ Series Explosion-proof Integrated Camera



- ◆ 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

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BJK-YT/□ Series Explosion-proof Integrated Camera

Technical data

Explosion-proof Integrated Camera BJK-YT/□

Explosion protection

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	Ex II 2 G Ex db IIC T6 Gb Ex II 2 D Ex tb IIIC T80°C Db

Certificates

Conformity to standards

Rated voltage

Material

Pixels

Optical zoom

Focal length

Infrared function

Image sensor

Min. Illumination

Signal-to-noise ratio

White balance

Day/Night mode

Video compression

Angle adjustment

Horizontal rotation speed

Vertical rotation speed

Intelligent features

Transmission method

Mounting bracket

Bracket material

Protection rating

Temperature range

Weight

IECEX TUR 22.0054X
Ex db IIC T6 Gb Ex tb IIIC T80°C Db
TÜV 22 ATEX 8884 X
Ex II 2 G Ex db IIC T6 Gb Ex II 2 D Ex tb IIIC T80°C Db
IECEX; ATEX
IEC 60079-0, IEC 60079-1, IEC 60079-31, EN 60079-0, EN 60079-1, EN 60079-31
176-264V AC, 24V DC
304 stainless steel or 316 stainless steel
2 million, 4 million, 8 million (optional)
25x, 32x (optional)
4.8~120mm, 5.9~188.8mm(Optional)
Optional
1/1.8" progressive scan CMOS
Color: 0.0005 lux; Monochrome: 0.0001 lux
>52dB
Manual white balance, indoor, outdoor, daylight, sodium lamp, auto white balance, auto tracking white balance, locked white balance
Auto ICX color-to-black
H.264/H.265
Pan: 0°~360° continuous rotation, Tilt: -90°~90°
0.1°/s~42°/s
0.1°/s~42°/s
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
Wired, 4G/5G/WiFi (optional)
ZJ002 wall-mounted bracket
Q235 carbon steel, 304 stainless steel, 316 stainless steel (optional)
IP68
-40°C~+60°C
≤33kg

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

