Camera
BJK-YT/BD Series Explosion-proof Integrated Camera

BJK-YT/BD wired transmission

BJK-YT/BDW wireless transmission

◆ Explosion protection to
  -CENELEC
  -IEC
◆ Can be used in
  Zone 1 and Zone 2
  Zone 21 and Zone 22

Catalogue number logic

BJK - YT / B D ☐ ☐ ☐ ☐ ☐

- Focal length parameters (or optical zoom parameters)
- Pixel parameters
- None: Wired transmission
- W: Wireless transmission
- None: With network electrical port
- X: With network optical port
- None: gear transmission
- P: Pure belt transmission
- With infrared function
- Variable speed PTZ (0.1~42°/s)
- Integrated camera
- Explosion-proof monitoring series
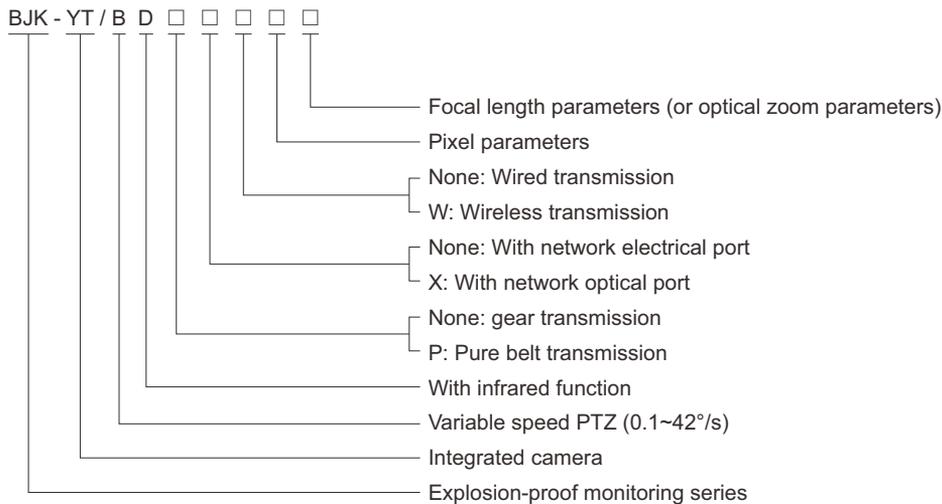
Product characteristics

◆ The explosion-proof integrated camera is used as a fixed terminal in the intelligent video surveillance system for on-site video image perception upload and other functions; the device has a variety of intelligent behavioral detection; support the linkage action of multiple trigger rules;

◆ With infrared fill light function, the light can be changed to white light as needed;

◆ Suitable for all-round monitoring of key areas; the product supports horizontal 360° rotating and vertical ±90° rotating;

◆ Intelligent temperature control devices can be installed inside, and the product can be applied to -60 to +63 harsh working conditions;

◆ The camera is configured with wireless module for connecting with the platform by using 4G, 5G, WIFI, and other wireless networks and Internet networks.

Zones 1&2; 21&22

Camera
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Technical data

Explosion-proof camera (Ex db IIC)	BJK-YT/BD☐☐☐☐
Explosion protection	
Global (IECEx)	IECEx TUR 22.0054X
Gas and dust	Ex db IIC T6 Gb
	Ex tb IIIC T80 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 Db
Certificates	IECEx; ATEX
Conformity to standards	EN IEC 60079-0, EN 60079-1, EN 60079-31
	IEC 60079-0, IEC 60079-1, IEC 60079-31
Rated voltage	264VAC to 176VAC, 132VAC to 88VAC, 24VAC or 24VDC
Resolution	2 million pixels
	3 million pixels
	4 million pixels
Minimum illumination	
Color	≤0.001lx (AGC ON)
Black & White	≤0.0001lx (AGC ON)
Infrared fill light distance	30m, 50m, 100m
Video coding format	H.265, H.264, H.264B, MJPEG
Angle adjustment	Horizontal 360° rotation, vertical -90°~+90° rotation
Wireless module	Support 4G, 5G, WIFI connection
Housing material	304 stainless steel or 316 or 316L
Degree of protection	IP66
Ambient temperature	-60 ~+63
Cable gland	M25×1.5 or NPT 3/4" inlet port, suitable for Φ10mm~Φ14mm cable
Installation method	Fixed bracket, base, column
Weight	30kg

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

Installation dimensions