

SCS-JK Intelligent AI Video Image Analysis and Warning System

BJK-G Series Explosion-Proof Optical Terminal Unit

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

Product features

- ◆ **Smart Transmission:** Explosion-proof optical terminals serve as key control nodes in intelligent surveillance systems, offering data conversion and transmission capabilities.
- ◆ **Intelligent Lightning Protection:** Integrated dual-function lightning arrester prevents equipment damage from lightning strikes.
- ◆ **Superior Performance:** Enclosure made from high-quality stainless steel ensures waterproofing, dustproofing, corrosion resistance, high-temperature tolerance, and aging resistance.
- ◆ **Expandable Compatibility:** Available in multiple interface sizes and configurations; internal equipment can be customized according to customer requirements, allowing selection of the most suitable model.



Technical data

Explosion-Proof Optical Terminal Unit BJK-G

Explosion protection	
Global (IECEX)	IECEX (applied for)
Gas and dust	Ex db IIB T6 Gb Ex db IIC T6 Gb Ex tb IIIC T80°C Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ⓔ II 2 G Ex db IIB T6 Gb Ⓔ II 2 G Ex db IIC T6 Gb Ⓔ II 2 D Ex tb IIIC T80°C Db
Certificates	IECEX; ATEX
Conformity to standards	IEC 60079-0, IEC 60079-1, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-31
Working voltage	AC 220V, POE (Optional)
Material	Aluminum alloy, carbon steel Q235, stainless steel 304, stainless steel 316 (optional)
Protection rating	IP66
Corrosion protection rating	WF1/WF2
Temperature range	-40°C~+70°C
Mounting method	Wall-mounted
Cable entries	M20×1.5 entry size, suitable for cables with diameters of Φ6.5 mm to Φ14.5 mm



Zones 1&2; 21&22