



Transmission Cabinet ZSBE-W

 **Certificate: ATEX**



ZSBE-W

Application:

The transmission cabinet ZSBE-W serves for transmitting a video signal from the camera to the modem cabinet by means of the WiFi network.

The transmission cabinet is designed for the use in underground and surface mine areas with a higher methane explosion hazard. The transmission cabinet forms part of the KS-01 camera system.

Description:

The ZSBE-W cabinet is made as a secure enclosure. The instrument area is of the Ex d design and the terminal block area is of the Ex e design.

Fuses for the supply, a WiFi modem and an aerial separating barrier are situated in the instrument area. The supply voltage and the Ethernet signal are transmitted to the terminal block. The spark-proof signal from the WiFi modem is led via the non-explosive bushing to the aerial outside the cabinet fixed in the bushing.

The transmission system forms the other part of the camera system. Signals from the camera are transmitted to the ZSBE-M modem cabinet where the video signal is converted to the telephone signal which can be transmitted via the two-wire line to a longer distance. The ZSBE-M modem cabinet is made as a secure enclosure. The telephone signal is transmitted to the surface part of the transmission system where it is converted into the Ethernet signal by the modem which can further be processed on PC. The modem in the surface part is situated in a small compact distribution cabinet and/or it can be placed separately in the existing equipment.

Technical parameters:

Design	I M2(M1) Ex de [ia Ma] I Mb
Supply voltage	12VDC
Power input	10W
Through supply	12VDC
Data connection	Ethernet 10Base-T
Range under ideal conditions	50m
Temperature range	0 to +40°C
Relative humidity	95% non-condensing
Protection	IP54
Dimensions	240 x 290 x 136mm
Weight	11.8kg



ZSBE-W Barrier

The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.