DEK-500A Explosion-proof Infrared Housing

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-500A.pdf. Source ratings, historical standards and source conflicts are retained. This translation does not update the product specification or issue a new certificate.

Product description

A stainless-steel flameproof housing with IP68 protection. Explosion-proof flexible conduit or armored cable can be used for electrical connections. The source describes use for gas group IIC and lower groups, including hydrogen, acetylene, ethylene, coke-oven gas and dimethyl ether, and for explosive/combustible gas and dust environments. Semi-fixed pan/tilt or fixed-bracket mounting allows installation and maintenance.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. High sensitivity, true day/night switching; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	2 MP, 20x optical zoom HD camera
Sensor	1/2.8-inch Progressive Scan CMOS
Resolution	1920 x 1080
Focal length	4.7-94 mm
Minimum illumination	Color: 0.05 lux at F1.6, AGC ON; B/W: 0.01 lux at F1.6, AGC ON
Video compression	H.265 / H.264 / MJPEG
Day/night switching	Automatic ICR infrared-cut filter switching
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Ingress protection	IP68
Input voltage	100-240 VAC
Operating current	<=0.5 A
Power consumption	<=35 W
Cable entries	2
Cable-entry thread	G3/4
Material	304/316L stainless steel
Weight	8 kg
Internal space	280 x 90 x 80 mm
Overall dimensions	370 x 150 x 150 mm
Mounting	Semi-fixed pan/tilt or fixed bracket

Reference illustrations

Original dimension drawings and interface screenshots are retained for reference. Original-language labels may remain inside these images; the English operating text and legends explain them. Dimensions are copied from the supplied source, not redrawn or recalculated.

Figure 1. Source page 2, illustration 1.

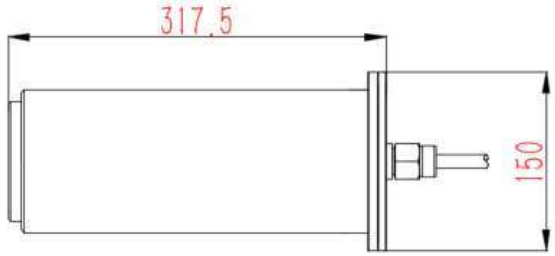


Figure 2. Source page 2, illustration 7.

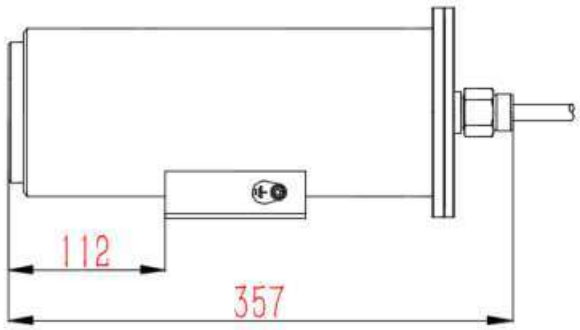


Figure 3. Source page 2, illustration 8.

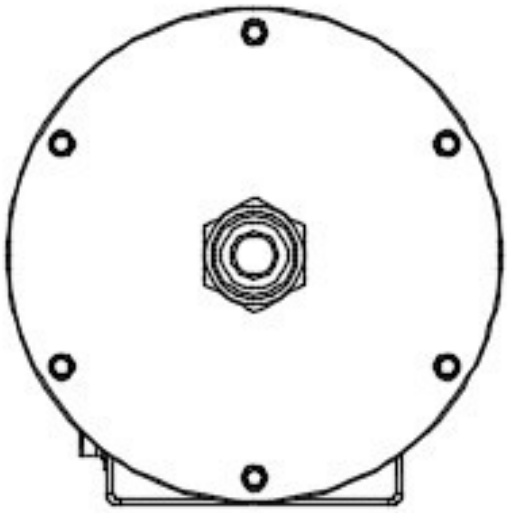


Figure 4. Source page 2, illustration 9.

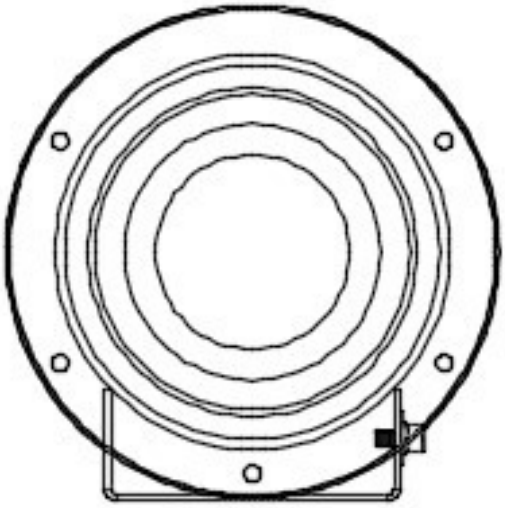


Figure 5. Source page 2, illustration 13.

