DEK-600A Explosion-proof Infrared Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-600A.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

Intended by the source for flammable/explosive gas and combustible-dust environments. A physically tempered float-glass viewing window provides durability and image clarity. Includes true day/night operation and automatic low-temperature heating. Built-in 80 m infrared illumination supports dark scenes. Explosion-proof flexible conduit may be used. Semi-fixed pan/tilt or fixed-bracket mounting is available.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. Compatible with motorized pan/tilt mounting and separate camera operation. High sensitivity; standard 80 m IR illumination; H.264/H.265 compression; digital WDR; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	3 MP HD camera (optional)
Sensor	CMOS
Resolution	2048 x 1536
Day/night switching	ICR infrared-cut filter
WDR	Digital WDR
Shutter	1/3 s to 1/100,000 s
Image settings	Corridor mode, saturation, brightness, contrast and sharpness adjustable through client software or browser
Minimum illumination	0.001 lux
Lens	4 mm, horizontal FOV 60.5°; 6/8/12 mm optional
Aperture	F1.6-F3.5
Video compression	H.264 / H.265
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Certificate number stated in source	CNEx17.1203X
Power supply	220 VAC / 12 VDC +/-25% / PoE (802.3af)
Power consumption	<=15 W
Operating temperature	-45°C to +60°C
Ingress protection	IP68
IR projection distance	30 / 50 / 80 m
Cable-entry thread	G3/4
Material	304 or 316L stainless steel
Weight	10 kg, including camera
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.

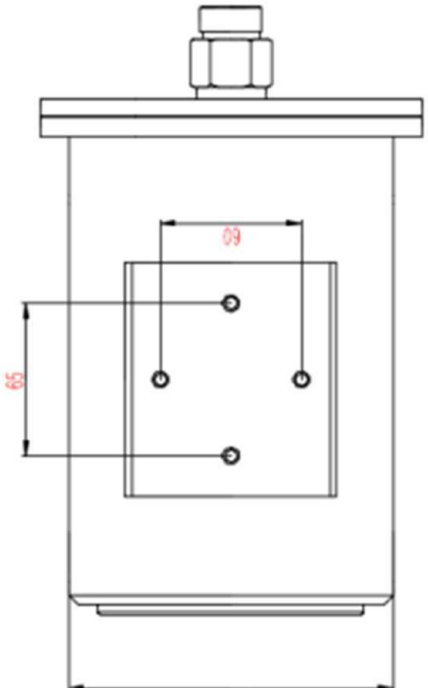


Figure 2. Source page 2, illustration 9.



Figure 3. Source page 2, illustration 10.

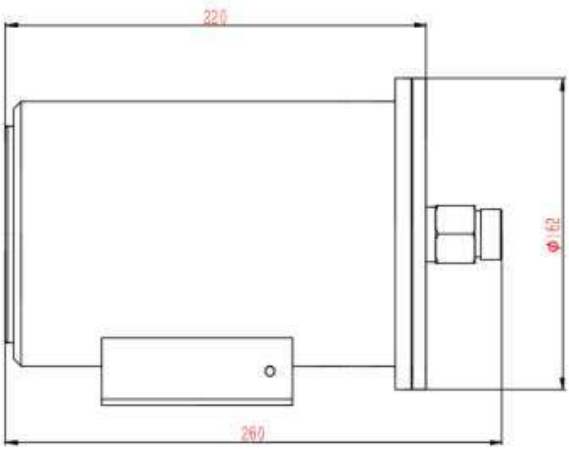


Figure 4. Source page 2, illustration 11.

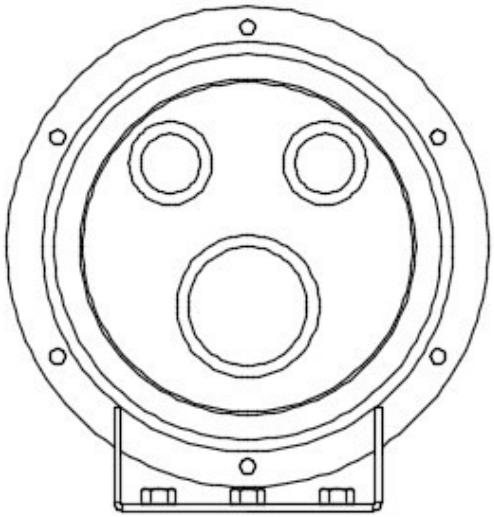


Figure 5. Source page 2, illustration 12.

