DEK-120C Explosion-proof Intelligent PTZ Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-120C.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

Explosion-proof monitoring equipment intended by the source for environments with flammable/explosive gases and combustible dust. Its tempered-glass window provides strength and image clarity. A precision motor gives responsive, smooth movement with a stated positioning deviation below 0.1°. The source describes shake-free imaging at any speed and no monitoring blind spots. Power-off memory restores pan/tilt and lens positions after restart. Lightning, surge and transient protection are supported.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. Pan: 360°; tilt: +90° to -90°. Software-configurable baud rate and address. Three patrol routes, with eight presets per route. High sensitivity, true day/night switching and digital WDR. Standard 50 m infrared illumination. 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
Input voltage	220 VAC
Operating current	<450 mA at 220 VAC; <3000 mA at 24 VAC
Power consumption	Approximately 60 W
Pan / tilt	360° / +90° to -90°
Pan / tilt control speed	0.1-40°/s / 0.1-40°/s
Communication	RS-485
Operating environment	-40°C to +60°C; humidity <=90% RH
Infrared range	50 m
Material	304 or 316L stainless steel
Weight	28 kg, including camera
Mounting	Fixed bracket, base or pole

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.

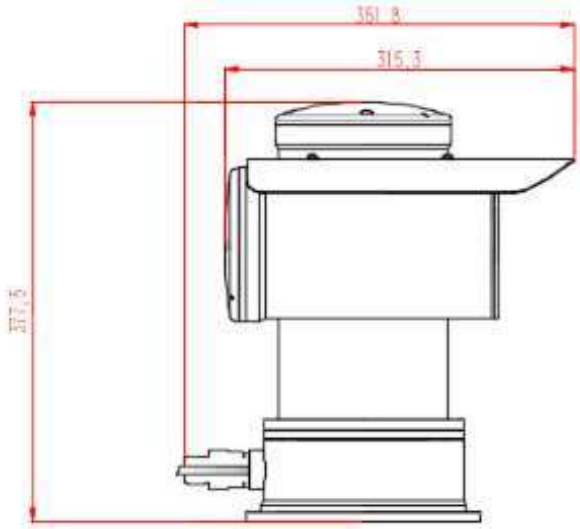


Figure 2. Source page 2, illustration 7.

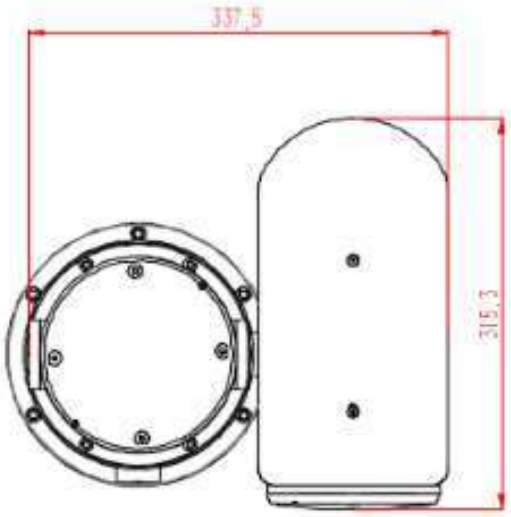


Figure 3. Source page 2, illustration 8.

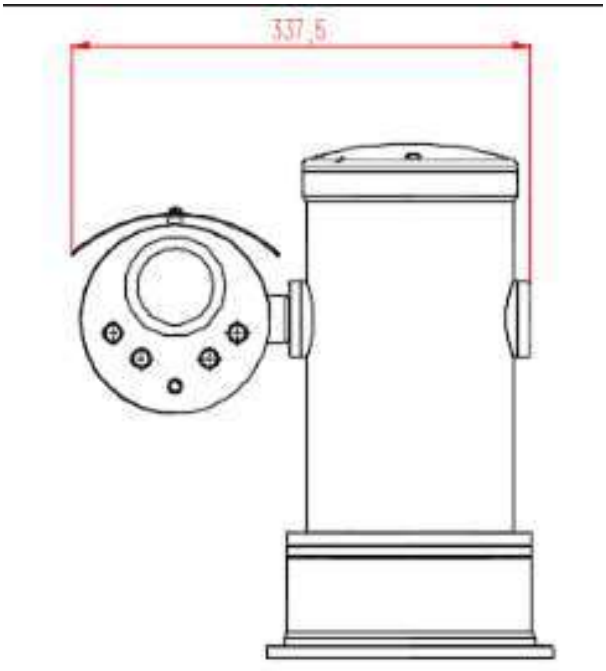


Figure 4. Source page 2, illustration 9.

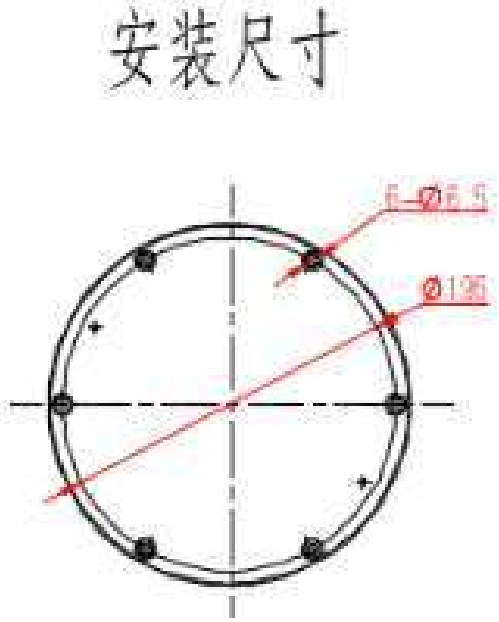


Figure 5. Source page 2, illustration 10.

