DEK-120X Explosion-proof Integrated PTZ Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-120X.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. Its tempered-glass window provides clear imaging. Precision motor drive is described as responsive and smooth, with deviation below 0.1°, shake-free imaging at any speed and no monitoring blind spots. Power-off memory restores pan/tilt and lens positions on 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. Three patrol routes, eight presets per route, and 128 presets. True day/night switching; software-configurable baud rate/address; wiper; digital WDR; Hikvision, ONVIF and Dahua protocols. Electrical connection: three-core power, two-core shielded control and Cat 5e cable.

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
Aperture	F1.6-F3.5
Zoom speed	Approximately 2.7 s
Signal-to-noise ratio	>52 dB
Electronic shutter	1 s to 1/30,000 s
WDR	120 dB supported
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Certificate number stated in source	CNEx17.0052X
Power supply	220 VAC / 24 VDC
Power consumption	Approximately 55 W
Pan / tilt	360° / +90° to -90°
Pan / tilt speed	0.1-40°/s / 0.1-40°/s
Operating environment	-40°C to +60°C; humidity <=90% RH
Communication	RS-485
Material	304 or 316L stainless steel
Housing internal space	220 (L) x 80 (W) x 70 (H) mm
Overall dimensions	300 x 300 x 400 (units not printed in table)
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.

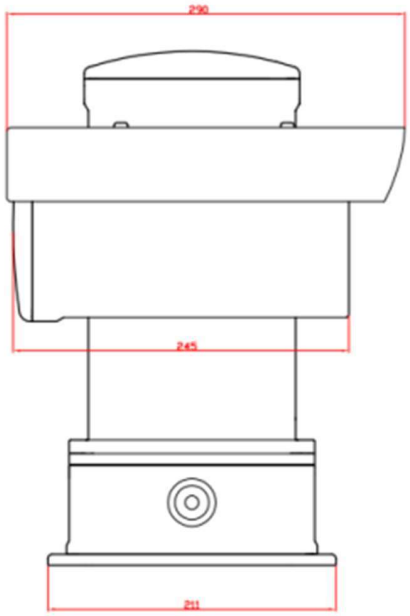


Figure 2. Source page 2, illustration 9.

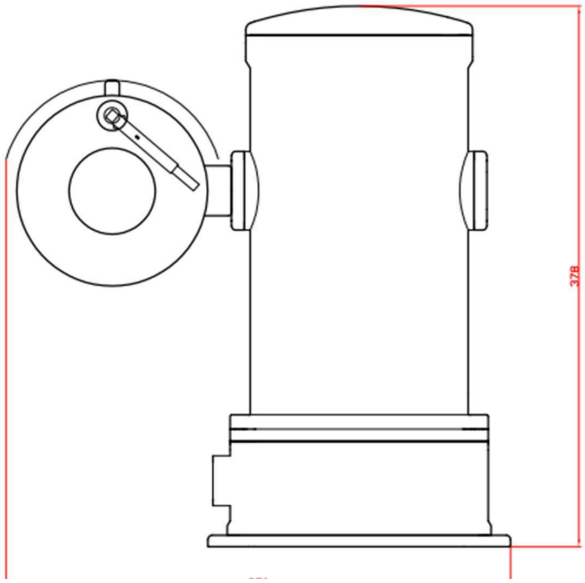


Figure 3. Source page 2, illustration 11.

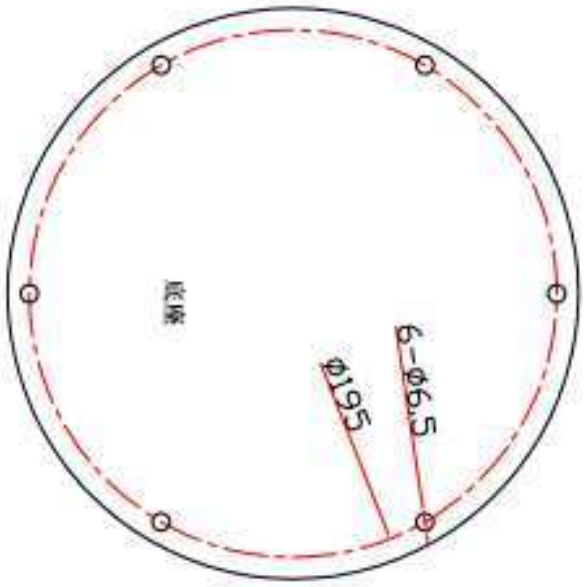


Figure 4. Source page 2, illustration 12.

