DEK-120S Explosion-proof Integrated PTZ Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-120S.pdf. Source ratings, historical standards and source conflicts are retained. This translation does not update the product specification or issue a new certificate.

Source notes

The feature list gives IR range 100-500 m; the parameter table gives 100 m. Feature list gives 304/316L, while the table prints 304/316. Confirm the supplied configuration.

Product description

A day/night HD network camera intended by the source for flammable/explosive gas and combustible-dust environments. It has a tempered-glass window and precision motor drive, with stated deviation below 0.1° and smooth, shake-free operation. Power-off memory restores pan/tilt and lens positions on restart. Lightning, surge and transient protection are supported. Continuous 360° pan and +90° to -90° tilt provide broad coverage. LED floodlights or infrared laser lighting are optional.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. IR range in feature list: 100-500 m. Digital WDR; wiper; optional camera module; 128 presets; optional washer system; true day/night operation; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	2 MP, 20x optical zoom HD camera (optional configuration)
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-F4.4
Minimum object distance	10-1500 mm (wide to tele)
Zoom speed	Approximately 3 s (optical, wide to tele)
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Power supply	220 VAC / 24 VAC
Power consumption	Approximately 100 W
Operating environment	-40°C to +60°C; humidity <=90% RH
Ingress protection	IP68
Pan / tilt	360° / +90° to -90°
Pan / tilt speed	0.1-40°/s / 0.1-40°/s
IR projection distance (table)	100 m
Material (table)	304/316 stainless steel
Weight	35 kg, including camera
Housing internal space	220 (L) x 80 (W) x 70 (H) mm
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 8.

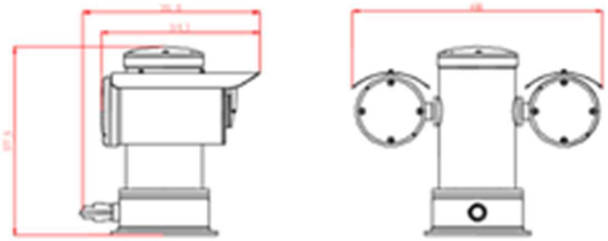


Figure 3. Source page 2, illustration 9.

