DEK-500R/L Explosion-proof Infrared Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-500RL.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, all-weather IP68 camera. Active IR LEDs switch automatically according to ambient light. The camera and lens may be configured for the site. The source specifies stable operation from -20°C to +60°C. A special tempered flat-glass window protects image clarity. Semi-fixed pan/tilt and fixed-bracket mounting are available.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. Standard fan and heating; standard IR illuminator stated as 100 m in feature list; optional camera; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	2 MP, 20x/23x 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
WDR	120 dB supported
Fan / heater	Standard / standard
Automatic heating	ON at <=-10°C +/-5°C; OFF at >=+10°C +/-5°C
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Power supply	24 VAC / 220 VAC / 12 VDC
Power consumption	<=30 W
Operating temperature	-20°C to +60°C
Ingress protection	IP68
IR projection distance	50 / 80 / 100 m
IR projection angle	30° / 60°
Material	304/316L stainless steel
Weight	9 kg, including camera
Overall dimensions	370 x 150 x 260 mm
Internal space	280 x 90 x 80 mm
Viewing window	1, diameter 60 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.

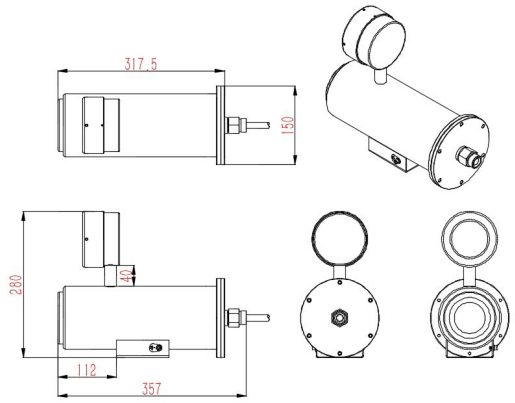


Figure 2. Source page 2, illustration 5.

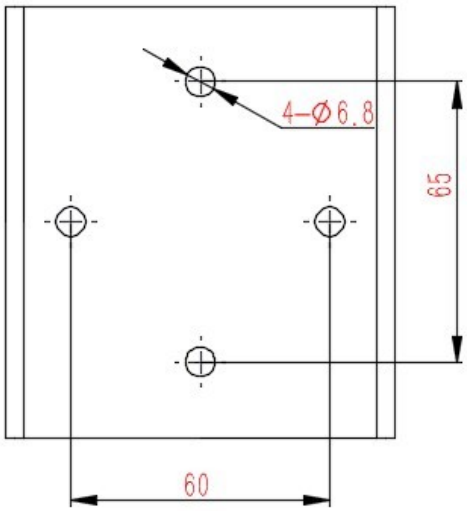


Figure 3. Source page 2, illustration 6.

