DEK-Q68RS Explosion-proof Infrared Speed Dome

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-68RS.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 source filename is DEK-68RS; the document model is DEK-Q68RS.

Product description

Intended by the source for flammable/explosive gas and combustible-dust environments. Tempered glass protects image clarity. Automatic low-temperature heating and one cable entry for explosion-proof flexible conduit.

Features

304/316L stainless steel; coated, high-strength tempered-glass window; IP68 protection; continuous 360° pan and -90° downward to 0° horizontal tilt; high-precision stepper-motor wiper with user-defined control; standard 80 m IR illuminator; automatic temperature control; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	Hikvision 2 MP HD camera (optional)
Sensor	1/2.8-inch Progressive Scan CMOS
Resolution	1920 x 1080
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
White balance	Auto / manual / auto-tracking / outdoor / indoor / fluorescent / sodium-lamp white balance
Fan	Standard
Automatic heating	ON at <=8°C +/-5°C; OFF at >=20°C +/-5°C
Automatic fan cooling	ON at >=37°C +/-5°C; OFF at <=20°C +/-5°C
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Power supply	24 VAC / 220 VAC / 24 VDC
Pan / tilt speed	0.01-45°/s / 0.01-45°/s
Power consumption	50 W / 70 W with temperature-control device operating
Operating temperature	-40°C to +65°C
Ingress protection	IP68
IR projection distance	80 m
IR control	Supported
Presets / patrol routes	300 / 8
Pan / tilt range	360° continuous / -90° downward to 0° horizontal
Material	304/316L stainless steel
Cable entry	1, G3/4 or NPT3/4
Electrical connection	Composite cable: power, control, RJ45
Weight	18 kg, including camera
Mounting	Ceiling or wall 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.

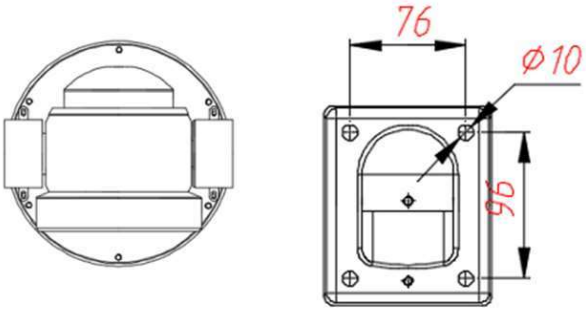


Figure 3. Source page 2, illustration 6.

