DEK-368HR Explosion-proof Radiometric Dual-spectrum PTZ Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of DEK-368HR.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 features list standard 100 m IR illumination; the table lists IR distance as optional. Confirm the actual configuration.

Product description

A radiometric thermal/visible-light network camera intended by the source for flammable/explosive gas and combustible-dust environments. Tempered and germanium-glass windows provide protection and clear imaging. Intelligent fire detection is combined with linked visible-light zoom for viewing surrounding conditions. Supports thermal autofocus, temperature measurement and abnormal-temperature alarms, with IP68 outdoor protection and lightning, surge and transient protection.

Features

316L stainless-steel enclosure; coated tempered-glass window, germanium glass and protective mesh. Wiper support; standard 100 m IR illuminator in feature list; seven hardware alarm inputs and two alarm outputs; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Visible camera	2 MP, 30x HD camera (optional)
Visible sensor	1/2.8-inch high-performance CMOS
Visible resolution	1920 x 1080
Visible focal length	4.3-129.0 mm
Visible field of view	59.8-3.0° (wide to tele)
Low-light sensitivity	0.01 lux
Thermal sensor	Uncooled vanadium-oxide focal-plane detector
Thermal resolution	640 x 512
Thermal focal length	25 mm
Thermal field of view	12.4 x 9.9 (unit omitted in source table)
Focus	Automatic / semi-automatic / manual
Temperature measurement range	-40°C to 550°C
Temperature measurement accuracy	+/-2°C (or +/-2% of range, as stated in source)
Explosion protection marking (table)	Exd IIC T6 Gb / Ex tD A20 T80°C
Certificate number stated in source	CNEx17.0052X
Input voltage	220 VAC
Operating current	<500 mA at 220 VAC
Power consumption	Approximately 100 W
Ingress protection	IP68
Pan / tilt	360° / +90° to -90°
Pan / tilt speed	0.1-40°/s / 0.1-40°/s
IR projection distance (table)	Optional
Material	316L stainless steel
Weight	35 kg
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.

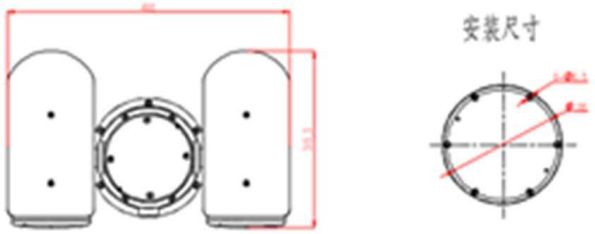


Figure 2. Source page 2, illustration 5.

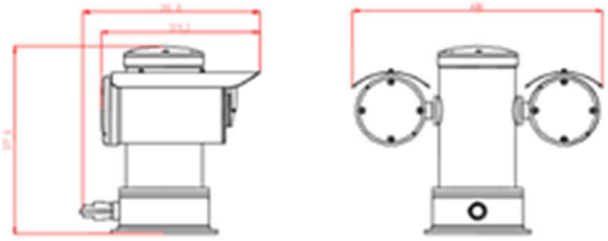


Figure 3. Source page 2, illustration 9.

