DEK-20Q/C Explosion-proof Infrared Dome Camera

Product specification | A01 / 2018

Changzhou Derke Electromechanical Equipment Co., Ltd.

English translation of fbDEK-20QC.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 compact stainless-steel HD infrared explosion-proof network camera for all-weather use. Active IR LEDs automatically switch with ambient light. Lens options may be selected for the site. A special tempered flat-glass window protects image clarity. A 1.5 m dedicated composite cable permits connection using explosion-proof flexible conduit. Installation and maintenance are straightforward.

Features

304/316L stainless-steel enclosure; coated, high-strength tempered-glass viewing window; IP68 dust and water protection. Standard 30/50 m IR illumination; high sensitivity; true day/night operation; Hikvision, ONVIF and Dahua protocols.

Technical parameters from the source

Parameter	Value
Camera	3 MP HD camera (optional)
Lens	4 mm, horizontal FOV 60.5°; 6/8/12 mm optional
Resolution	2048 x 1536
Minimum illumination	0.07 lux at F1.2, AGC ON; 0 lux with IR
Video compression	H.265 / H.264 / MJPEG
Sensor	1/3-inch Progressive Scan CMOS
Shutter	1/3 s to 1/100,000 s
Day/night switching	ICR infrared-cut filter
Image settings	Corridor mode, brightness, contrast, saturation and sharpness adjustable through client or browser
Explosion protection marking	Exd IIC T6 Gb / Ex tD A20 IP68 T80°C
Certificate number stated in source	CNEx17.0053X
Power supply	12 VDC +/-25% / PoE (802.3af)
Power consumption	<=15 W
Operating temperature	-40°C to +60°C
IR projection distance	30 / 50 m
IR projection angle	30° / 60°
Viewing-window thickness	10 mm
WDR	Digital WDR
Material	304/316L stainless steel
Cable-entry thread	G3/4
Weight	5 kg, including camera
Mounting	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 7.

