



4MP 33X Explosion Proof Anti-Corrosion PTZ IR IP Camera With Wiper

Explosion Proof Mark

Ex II 2G Ex db op is IIC T6 Gb
II 2D Ex tb op is IIIC T80°C Db IP68
IP66.

Material

316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials

Explosion proof design

The camera has passed international ATEX certifications, and can be used in gas and dust hazardous scenarios

Ingress protection

IP68/IK08 water resistant and vandal proof, preventing water ingress for outdoor use

Key features

4MP

Ultra
H.265


- Support starlight level low illumination, excellent monitoring effect under weak light conditions
- 33 x optical zoom, using a self-developed focusing algorithm, with a fast and accurate focus
- 120dB wide dynamic, to meet the monitoring requirements of high brightness contrast scene
- Adaptive strong light suppression, the night camera can automatically adjust the brightness of the picture according to whether there is a sports vehicle on the road
- Adaptive fog, the camera can adjust the fog level according to the severity of haze
- Built-in AI ISP algorithm, intelligent noise reduction, restore the wonderful horizon under the low light
- Support in addition to the heat wave, the hot weather image is clear and stable
- Support the image anti-shake, effectively reduce the picture jitter, make the image stable and clear, Automatic Day and Night Conversion Function (ICR)
- Support 2688 * 1520 @ 30 fps, so that the picture presents a smooth motion image
- Three-code flow package ability to meet the real-time flow and storage flow requirements of different bandwidth and frame rates
- Customized OSD provides custom effects for multiple content styles (size, color, background, style, etc.)
- Area enhancement (ROI) function to improve the image quality of key areas in the low-bandwidth network environment
- 265 Advanced H and SVC scalable video coding algorithm can have higher compression efficiency and flexible application
- Network adaptive, provide effective monitoring in packet loss environment, Support ONVIF, GB / T28181, strong compatibility
- Face detection: support face, human body and capture and face attribute extraction, and realize the connection between face and human body, support effect priority, speed priority, cycle preferred selection of three kinds of people
- IR-Cut Removable (ICR) Filter for Day/Night switching High-efficiency infrared/white light array lamp, low thermal energy, low power consumption,
- Infrared distance up to 100-150m
- 360° continuous rotation in the horizontal direction, -90° to +90° in the vertical direction, no monitoring blind zone, Rotation speed: 0.1-45°/s adjustable

SPECIFICATION

KDQ-EX-PTZ4033IRW01

Camera	
Image device	1/2.7"inch line by line scan 4MP CMOS image sensor
Optical double	33X
Focal distance	Electric and dynamic zoom,4.5~148.5m
Iris diaphragm	F1.65 (W)~F4.7(T)
Field of View (H)	51.4° ~ 2.5°
Field of View (V)	30.3° ~ 1.4°
Field of View (D)	63.2° ~ 3.0°
Shutter	Automatic /manual,1~1/100000s
Through the fog	Adaptive fog
Noise-signal ratio	>56dB
Wide Dynamic	120dB
Minimal Illumination	0.003lux(F 1.65,AGC ON,color),0.002lux(F1.65,AG CON,black and white)
Switch the mode day and night	Automatic,day,night,switching quantity control
3D positioning	Support
Anti-shake	Support
Detection Distance	100-3000m
Observe Distance	40-1200m
Video Frequency	
video coding	H.265、H.264、MJPEG
Maximum frame rate	30 Frames
Video stream	Main code stream:2688*1520,2560*1440,2304*1296,1920*1080,1280*720(720P),720*576 (D1),640*360,704*288(2 CIF),352*288(CIF);
	Auxiliary code stream:1920*1080,1280*720(720P),720*576 (D1),640*360,704*288(2 CIF),352*288(CIF);
	Third stream:720*576 (D1),640*360,704*288(2 CIF),352*288(CIF)
Video code rate	128Kbps~16Mbps
OSD	Time,cloud head coordinates,multiplier,preset bit,serial port OSD,number of people statistics,network port OSD,picture OSD,environment volume,device longitude and latitude sitting Standard et al
Regional Enhancement (ROI)	Eight areas
Privacy cover	Black style,Marseille,gram style:8 single scenes,24 multiple scenes
Screenshot	Regular grasp,periodic grasp,cruise preset bit grasp>manual grasp
Grasp the map at the maximum resolution	2688*1520
Audio frequency	
Audio encoding format	G.7G11U、G.711A
Audio sampling rate	G.711U、G.711A:8KHz /16K Hz
Memory	
Front end storage	Micro SD,up to 256GB
Intelligence	
Face detection	Support effect priority,speed priority,cycle preferred three face snap preferred mode,support face Angle filtering;
	Support human face,human body capture,support human face attribute extraction;Face attributes:gender,age,wearing glasses,wearing masks,hat style,hat color
Peripheral cloth defense	Support cross-boundary detection,regional invasion,entry area and leaving area;Support motor vehicles,non-motor vehicles,pedestrian target classification detection,capture and distribution
Number of statistics	Statistics of human flow:support the statistics of total number,number of entering and number of leaving,support the three-level alarm of the number of stranded,and clear the statistics of the number of support;Personnel density detection:to support the three-level alarm of personnel density
Autotracking	It supports the classification and tracking of motor vehicles,non-motor vehicles and pedestrian targets in the screen,and automatically returns to the original position after reaching the preset tracking time
Smart Function	
Common event	Motion detection,occlusion detection,sound detection,alarm input,and alarm output
Network	
Networking protocol	L2TP、IPv4、IPv6、IGMP、ICMP、ARP、TCP、UDP、DHCP、RTP、RTSP、RTMP、DNS、DDN S、NTP、FTP、UPnP、HTTP、SNMP、SIP
Compatible access	ONVIF Profile G、Profile T、Profile S、GB/T28181、GA/T 1400、API
Cache supplement	Support SD card broken network cache supplementary record
Interface features	Description(see the Technical Definition Manual for a detailed description)
Interface form	36pinFFC(including network port,power supply,serial port UART_1,serial port UART_2, Alarm In /Out,Audio In /Out)

SPECIFICATION

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PTZ	
Rotation Angel	Horizontal: 0°-360° Vertical: -90°-0°
General	
Infrared Distance	100-150m
Storage Function	N/A
Temperature Range	-40°C ~ 60°C
Relative Humidity	0 -100%
Product Material	316L or 304 Stainless steel
Power Supply	AC 100-240V, ≤48W
Dimensions	340*240*451mm (length * width * height)
Inlet Hole Specification	1 Entry hole G3/4"
Installation Method	Wall or column platform installation
Weight	≤ 21Kg
Verification to	BS EN 62676-1-1-2014 – Video surveillance systems for use in security application

APPLICATION SCENARIOS

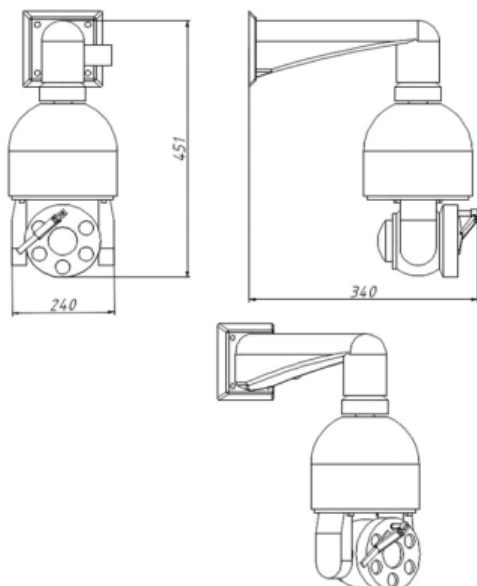


Other application areas : desert drill sites, offshore rigs, mechanical engineering, biogas plants, military, electric power, hydraulic power, railway, metallurgy, natural gas extraction, drilling platform, aerospace, marine, armed police, border defense, vessels, fireworks production, ports etc.

Group II (Gas & Dust)	ATEX / IECEx / EAC-Ex				
Zone	0	1	2	21	22
Application	✗	✓	✓	✓	✓

Group I (Mining)	ATEX / IECEx..	
Category	Ma	Mb
Application	✗	✗

DIMENSIONS



ACCESSORIES

