

2MP 33X Explosion Proof Anti-Corrosion PTZ Camera

Explosion Proof Mark

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

Explosion-proof design

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

Material

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

Ingress Protection

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

Key Features

2MP

Ultra
H.265

WDR

IP68

IK10

Smart Intrusion
Prevention

smart wiper

IRPA



- Resolution : up to 2MP (1920X 1080) Output Full HD :1920 X 1080 @30fps Live Image.
- Support H.265/H.264/MJPEG Video Compression Algorithm ,Multi-level Video Quality Configuration and Encoding Complexity Settings.
- Starlight Low illumination , 0.001Lux/F1.5(color),0.0005Lux/F1.5(B/W) ,0 Lux with IR
- 33X Optical Zoom , 16X Digital Zoom
- Smart Detection: Line Crossing, Intrusion, Region Enter/Exit
- Support 3-stream Technology, each stream can be independently configured with resolution and frame rateCR automatic switching,
- 24 hours day and night monitoring
- Support Backlight Compensation, Automatic Electronic Shutter ,adapt to different monitoring environment
- Support 3D Digital Noise Reduction, High light Suppression, Electronic Image Stabilization, 120dB Optical Wide Dynamic
- Support 255 Preset, 8 patrols
- Support Timed Capture and Event Capture
- Intelligent wiper function, the wiper adopts automobile wiperblade, which has good weather resistance and easy replacement.
- 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 100m
- 360° continuous rotation in the horizontal direction, -90° to +90° in the vertical direction, no monitoring blind zone , Rotation speed : 0.1- 4.5 °/s adjustable .



Specification

Model	KDQ-EX-PTZ2033IRWO1
Vandal Resistance	IK10
Protection Level	IP68
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Minimum Illumination	Color:0.001 Lux @(F1.5,AGC ON);B/W:0.0005Lux @(F1.5,AGC ON)
Shutter	1/25s to 1/100,000s; Supports delayed shutter
Autoiris	DC
Day/Night Switch	IR cut filter
Digital Zoom	16X
Lens	
Focal Length	5.5-180mm, 33X Optical Zoom
Aperture Range	F1.5-F4.0
Horizontal Field of View	60.5-2.3° (wide-tele)
Minimum Working Distance	100mm-1000mm (wide-tele)
Zoom Speed	Approximately 3.5s(optical lens, wide to tele)
Compression Standard	
Video Compression	H.265 / H.264 / MJPEG
H.265 Type	Main Profile
H.264 Type	BaseLine Profile / Main Profile / High Profile
Video Bitrate	32 Kbps~16Mbps
Audio Compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM
Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP
Image (Maximum Resolution: 1920×1080)	
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz:
Third Stream	50Hz: 25fps (1920 × 1080); 60Hz: 30fps (1920 × 1080)
Image Settings	Corridor mode, saturation, brightness, contrast, sharpness
BLC	Support
Exposure Mode	AE / Aperture Priority / Shutter Priority / Manual Exposure
Focus Mode	Auto Focus / One Focus / Manual Focus / Semi-Auto Focus
Area exposure / Focus	Support
Optical Fog	Support
Image Stabilization	Support
Day/Night Switch	Automatic, manual, timing, alarm trigger
3D Noise Reduction	Support
Picture Overlay Switch	Support BMP 24-bit image overlay, customizable area
Region of Interest	ROI supports three streams and four fixed areas
NetWork	
supports BMP 24-bit Image Overlay, Customizable Area	Support Micro SD / SDHC / SDXC card (256G) disconnected local storage, NAS (NFS, SMB / CIFS support)
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMT P,SNMP,IPv6
Interface Protocol	ONVIF(PROFILE S,PROFILE G)

Specification

Smart Features	
Smart detection	Cross-border detection, area intrusion detection, entering / leaving area detection, hovering detection, personnel gathering detection, fast motion detection, parking detection / take detection, scene change detection, audio detection, False focus detection, face detection
PTZ	
Rotation Angel	Horizontal: 0°-360° Vertical: -90°-0°
General	
Infrared Distance	50-100m
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
Dimensions	340*240*451mm (length * width * height)
Inlet Hole Specification	1 Entry hole G3/4"
Installation Method	Wall or column platform installation
Weight	≤ 21Kg

Application Scenarios



Oil & Gas



Refineries & Fuel Depots



Surveillance & Security



Chemie & Pharma



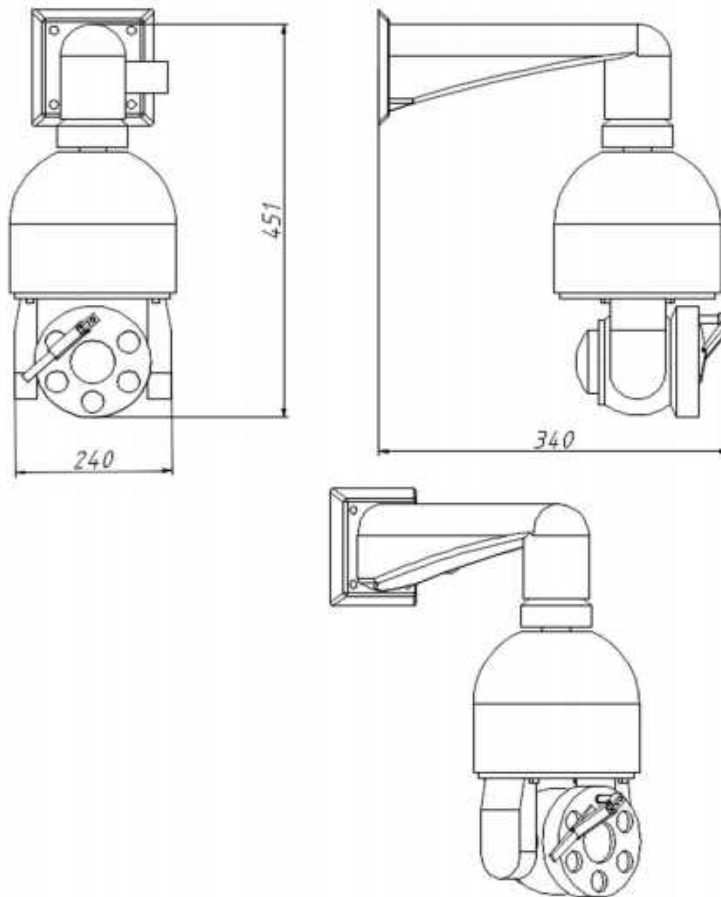
Oil tankers

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



Ex-Proof Hose



Ex-Proof Junction Box