

2MP 44X Explosion Proof Anti-Corrosion PTZ IR Camera with washer

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



- Made of Stainless steel 316L or 304 ,Mainly used for potential explosive environment .
- Intelligent wiper spray system device, support automatic water spray, automatic cleaning window, automatic rotary reset, high finish window.
- Image sensor with high performance 2 million pixels 1/2.8 inch 2 million pixels scanned line by line.
- Have 44 x optical zoom, focal range :5~220 mm,44 x optical magnification.
- Advanced H.265 coding algorithm, coding compression efficiency is higher.
- Three-stream package capability to meet different bandwidth and frame rate of real-time flow, storage flow requirements.
- 300 presets, power-off memory, automatic cruise and other functions.
- Using long-range laser light, low thermal energy, low power consumption, IR distance up to 200 meters.
- Horizontal direction 0°~360 continuous rotation, vertical direction 0°~180°, no monitoring blind area
- Turbine worm drive structure design, precision stepper motor drive, sensitive response, smooth operation.
- Built-in semiconductor temperature control module to achieve automatic heating and heat dissipation functions
- 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

Product Mode	KDY-EX-PTZ2044IRW01P
Ingress Protection	IP68
Imaging Devices	1/2.8 inch Line-by-line scanning of 2 million pixels CMOS image sensors
Focal Length/Variance	Range of focal length :5~220 mm,44 times optical variation
Zoom Mode	Electric zoom, auto focus
Aperture	Automatic/manual, maximum aperture: F1.2~F3.5
Shutter	Automatic/manual shutter range :1~1/100000s
Wide Dynamic Range	120 dB
Minimum Illumination	0.002 lux (F1.2, AGCON, colour)
Code Protocol	H.265 、 H.264 、 MJPEG
Coding System	1080P(1920*1080) Maximum 60 frames/s
Video Streaming	Three-code stream
OSD	Time OSD, Custom OSD
Motion Detection	Support
Privacy Cover	Support
Front-End Storage	Support Micro SD storage, maximum 256 GB
Back-End Storage	Dual iSCSI data block direct storage (with platform use)
Conduct Testing	Cross-border detection, regional intrusion, entry into the area, departure from the area, hovering detection, rapid movement, personnel gathering, parking detection, items left behind, items moved
Abnormal Detection	Motion detection, sound detection
Intelligent Identification	Face detection, license plate recognition
Statistical Analysis	Passenger flow statistics
Automatic Tracking	Automatic tracking
Light Supplementation	Laser light
Complementary Distance	500 m
Range of Rotation	Horizontal :360° Continuous rotation vertical :±90°
Key Speed	Level :0.1°/ S ~40°/ s, Vertical :0.1°/40/0.1 P/
Application Programming Interface	Open API, support standard protocol (Onvif 、 CGI 、 GB/T28181) for software integration,support for UTV SDK and third party management platform access
Audio Interface	1 in 1
Alarm Interface	1 in 1
Temperature Range	-40°C~+60°C
Power Supply Mode	AC85V ~260 V/DC24V 3A(optional)
Water Tank Capacity	10L
Product Material	316L stainless steel (chemical, acid-base and other strong corrosive environment use)
Outlet Hole Specification	2 G3/4" outlet holes
Installation	Multiple installation options optional depending on the application environment
Product weight Certificates	≤34 kg
Product Size	449*303*445mm

Product Name	Smart Washer Spray Device
Protection Level	IP68
Water Storage Capacity	10L
Spraying	Water pipe direct linkage outlet nozzle
Water Spray Signal	Camera linkage
Water Shutoff Signal	Automatic shutdown
Rated Power	24W
Power Supply Mode	DC12V
Connecting Pipes	Standard 10m
Installation	Wall mounted
Product Weight	≤10 KG
Product Size	579.5*450*185 mm
Infrared Distance	50-100m

Application Scenarios



Oil & Gas



Refineries & Fuel Depots



Surveillance & Security



Chemie & Pharma



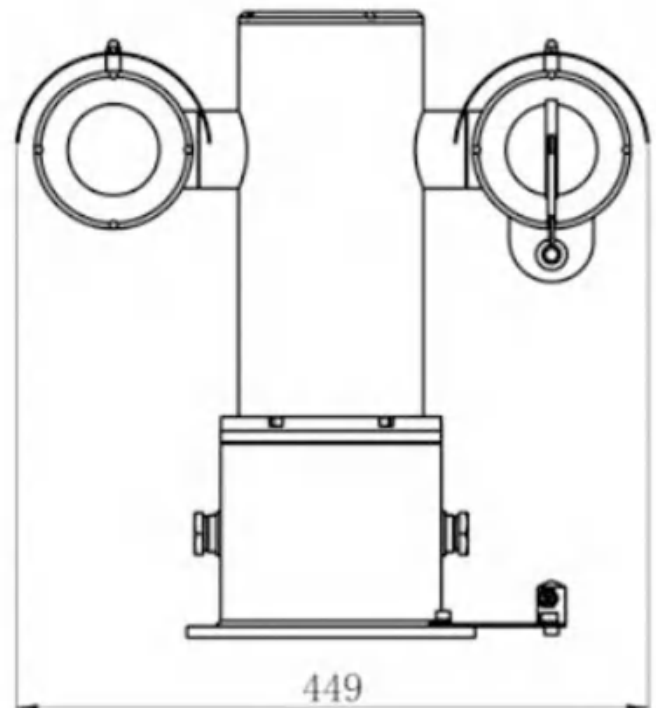
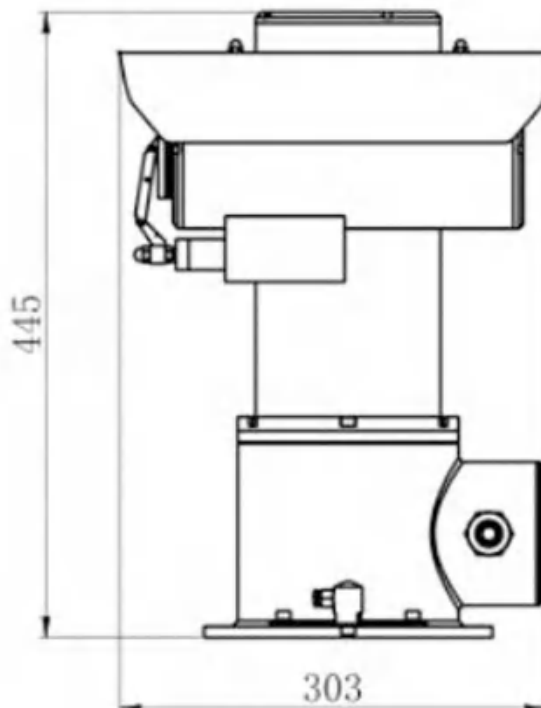
Oil tankers

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

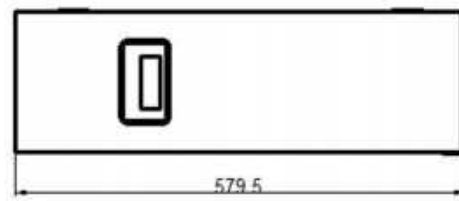
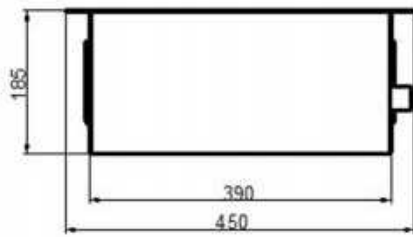
Group II (Gas & Dust)	ATEX / IECEx / EAC-Ex				
Zone	0	1	2	21	22
Application	✗	✓	✓	✓	✓

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

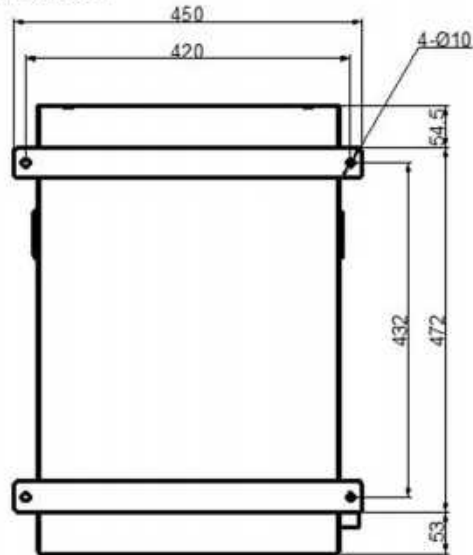
DIMENSIONS



DIMENSIONS



Mounting dimension:



- 316L Stainless Steel For All-Weather Use
- Oversized ,10 L Water Storage
- Low Energy Consumption
- Water Spray Automatic Closure , Saving Water Resources
- Simple And Generous Appearance
- Compact,Easy To Install.

Accessories



Bracket



Ex-Proof Hose



Ex-Proof Junction Box