

# Explosion-Proof Cameras & Anti-Corrosion Cameras

Reliable protection in harsh conditions

**HIKVISION**

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Reliable protection in harsh conditions



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**HIKVISION**



# What<sup>?</sup> Hikvision Offers

Unveil Hikvision's specialized cameras designed and built for harsh environments.

**Explosion-proof cameras** are perfect for safely monitoring hazardous sites such as chemical plants and gas stations, where flammable materials may be present. **Anti-corrosion cameras**, built with advanced polymer or marine-grade stainless steel, provide robust protection in harsh, corrosive environments like coastal areas.

## Explosion-Proof Series

Certified and rigorously tested to operate in hazardous environments



## Anti-Corrosion Series

Protected by special corrosion-resistant materials and designs



## Why Hikvision's Explosion-Proof Cameras?

Places like oilfields, gas stations, and chemical plants are prone to explosion risks due to the presence of flammable and combustible materials. In these places, machinery and electronic equipment must be designed to prevent explosions. When it comes to video security in explosion-prone areas, specially designed explosion-proof cameras are the solution.



### Complete protection, certified

All Hikvision explosion-proof cameras have obtained IECEx and ATEX certifications.

### Built and tested in-house

Hikvision manages all stages of production within its own facilities to ensure quality.



Refined  
manufacturing

Stability test

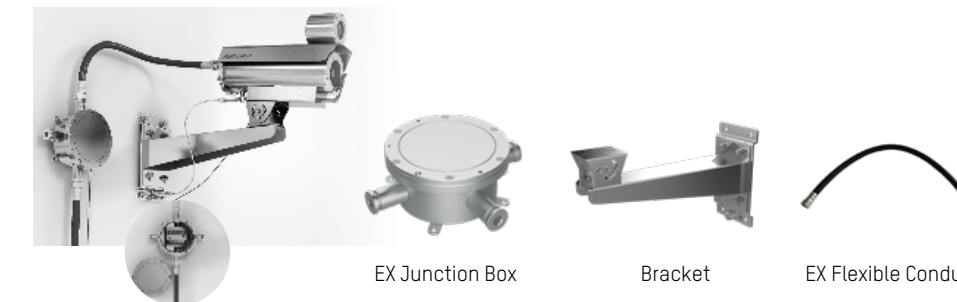
Explosion-proof  
test

AI algorithm  
development

Water-proof test

### Security is in the details

Hikvision offers specially designed accessories to further mitigate explosion risks.



EX Junction Box

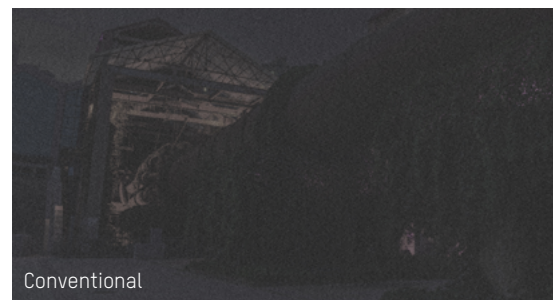
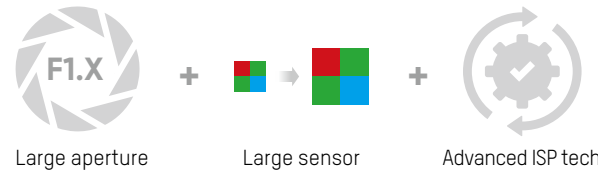
Bracket

EX Flexible Conduit

# Unstoppable Protection, Unmatched Performance

## See beyond the dark

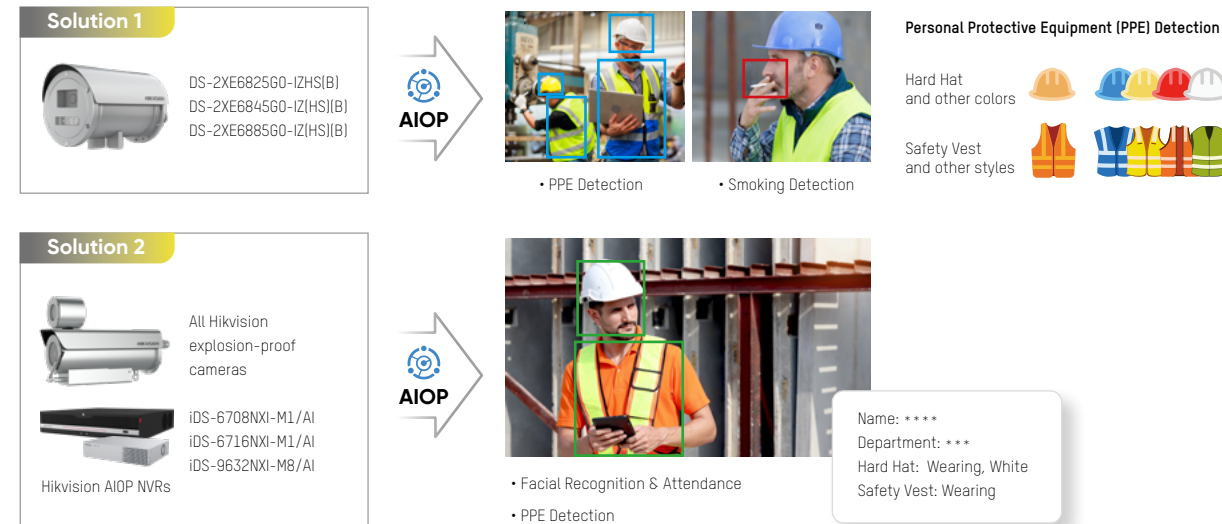
Hikvision's explosion-proof cameras provide industry-leading low-light imagery. The premium 316L stainless steel models come equipped with DarkFighter technology, delivering vibrant, high-definition images even in low light.



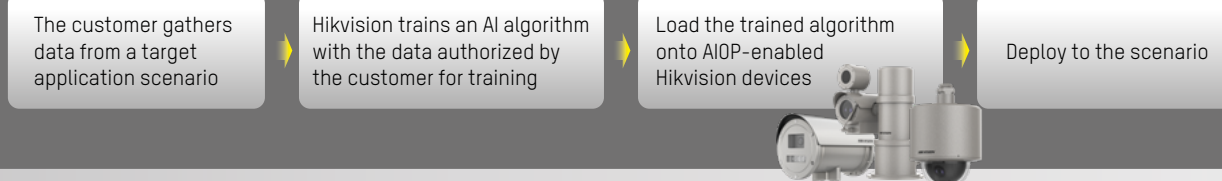
## Enhance safety with AI

We offer two AI solutions for businesses in explosion-prone environments:

- Customers deploy AI algorithms directly on Hikvision's explosion-proof cameras, tailored to their unique safety needs.
- Customers run their custom AI on a Hikvision AIOP NVR connected to their explosion-proof cameras. Either way provides customers with enhanced safety and peace of mind.

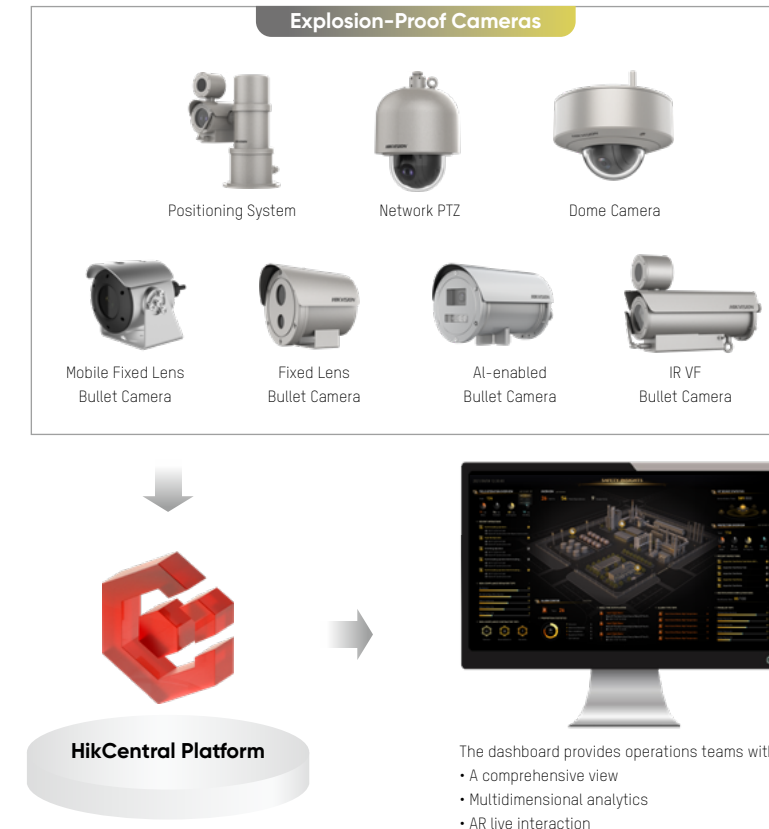


How to have custom AI algorithms ?  
The answer is Hikvision's AI Open Platform (AIOP). See how it works.



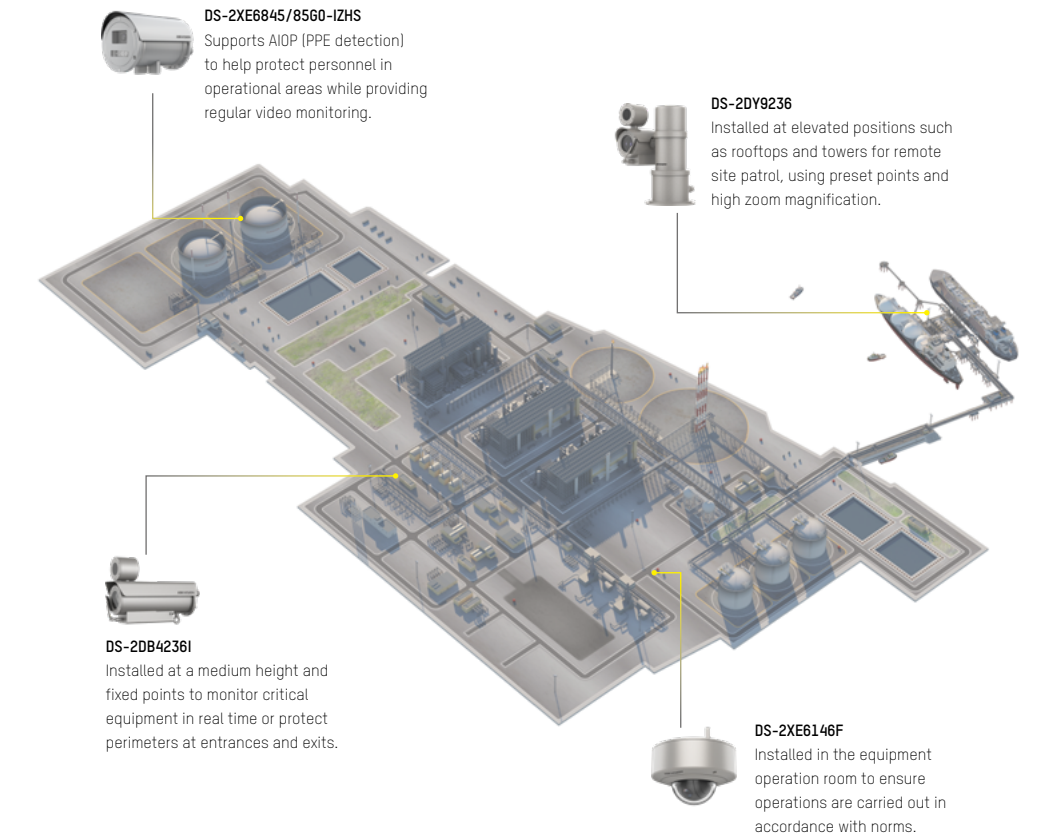
## Manage it all on one platform

Hikvision offers a robust HikCentral software platform for managing all Hikvision products, including explosion-proof cameras. With an intuitive dashboard, users can remotely monitor ongoing site operations, check device health in real time, receive emergency alarms, and much more. Enabling seamless management and rapid response, HikCentral enhances security throughout operations.



## Protect every critical point

Hikvision is a trusted provider of vertical solutions, with expertise in mission-critical environments such as oilfields and chemical plants. We understand the unique challenges faced by these industries. That's why each model of our explosion-proof cameras is designed to address the unique demands of a specific location or scenario.





# Why Hikvision's Anti-Corrosion Cameras?

Cameras installed in chemical or marine settings are frequently exposed to harsh chemicals, salt, and other corrosive materials. Therefore, inner camera components that can be easily damaged in these environments need to be enclosed in durable, protective housings.



Rusted housing



Malfunction due to corrosion



Loosen installation due to corrosion

Hikvision's anti-corrosion cameras are engineered with corrosion-resistant materials and designs, including polymers and 316L stainless steel, to endure harsh, corrosive environments.

## Next-gen material, next-level performance

Our latest offerings feature a special polymer to resist corrosion while providing an excellent strength/weight ratio and ease of use.

## All-around ruggedness, certified

All Hikvision's anti-corrosion cameras are certified to C5-M & NEMA 4X standards. Select models have both corrosion-resistant housings and accessories.

## Excellent imaging, flexible intelligence

Enjoy perfect low-light imaging, AI person and vehicle detection, and compatibility with third-party or user-defined applications on select camera models.



# Discover Our Latest Advances in Corrosion Resistance

## Weight down, cost down

Hikvision's polymer anti-corrosion cameras weigh less than 1 kg, with the housing just one-seventh the weight of stainless steel. This lightweight, optimized design offers users and installers greater convenience while reducing costs for camera transportation, installation, and maintenance.

## Effortless installation, remote control

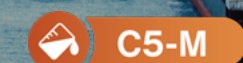
The PTRZ polymer anti-corrosion camera streamlines installation by saving several on-site steps and offers 24/7 protection with remote motorized adjustments via the NVR interface, web portal, or HPP mobile app.

## Certified with the highest standards

The highest international standard level for marine environments. The North American standard for superior corrosion resistance.

## Ready for the tough challenges

Hikvision's polymer anti-corrosion cameras come with an IP68 rating, ensuring top-tier dust and water resistance for reliable performance.



C5-M



NEMA 4X



Ingress Protection

IP

6

8

Immersion in water without causing harm  
Complete protection against dust



Durable

Lightweight

Powerful



## Major Benefits of the Two Anti-Corrosion Camera Types

### Polymer Anti-Corrosion Cameras



- High corrosion resistance (C5-M & NEMA 4X)  
No galvanic corrosion (seen in metals)
- Light weight
- Cost-effectiveness

### 316L Stainless Steel Anti-Corrosion Cameras

- High corrosion resistance  
(C5-M & NEMA 4X)
- High impact resistance
- High pressure resistance



Anti-corrosion cameras with polymer or stainless steel housings each offer unique advantages. To select the ideal solution for your needs, consult our sales team and product experts for tailored advice.

## Where to Use Hikvision's Anti-Corrosion Cameras?

In fish farms, underwater CCTV cameras provide clear monitoring of aquatic activities. Durable outdoor IP cameras enhance security in chemical plants and along coastal roads. In ports, their resilience and resistance make them essential for maritime security, preventing unauthorized access.





# Product Showcase

## Explosion-Proof Cameras

316L stainless steel with anti-corrosion surface spray treatment

304 stainless steel

Aluminum alloy

DarkFighter
NEMA 4X
IP68



**DS-2DY9236I-CWX(T5/316L)**

- 2 MP
- 36x optical zoom
- Deep-learning face capture

DarkFighter
NEMA 4X
IP68



**DS-2DY7432IXG-XY**

- 4 MP
- 32x optical zoom
- Deep-learning face capture

DarkFighter
NEMA 4X
Upcoming



**DS-2DF8432IWR-CXF**

- 4 MP
- 32x optical zoom
- Deep-learning face capture, face comparison, perimeter protection

DarkFighter
NEMA 4X
IP68



**DS-2DF6C431-CX(T5/316L)**

- 4 MP
- 31x optical zoom
- Deep-learning face capture

IECEX
IP68



**DS-2DF4420-DX(S6)**

- 4 MP
- 20x optical zoom

AcuSense
IECEX
IP68



**DS-2XE6445G0-IZS**

- 4 MP
- 4x varifocal lens

IECEX
IP68



**DS-2XE6145G0-HS**

- 4 MP
- Fixed lens

NEMA 4X
IECEX
IP68



**DS-2DF4420-DX(S6/316L)(C)**

- 2 MP
- 20x optical zoom

DarkFighter
NEMA 4X
IP68



**DS-2DB4223I-CX**  
**DS-2DB4236I-CWX**

- 2 MP
- 23x/36x varifocal lens
- Deep-learning face capture

AcuSense
DarkFighter
NEMA 4X
IP68



**DS-2XE64x2F-IZHRS**

- 4/8 MP
- 4x varifocal lens
- Deep-learning perimeter protection

AcuSense
DarkFighter
NEMA 4X
AIOP IP68



**DS-2XE68x5G0-IZHS**

- 4/8 MP
- 4x varifocal lens
- Deep-learning face capture and hard hat detection
- Integrated junction

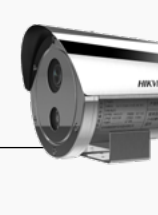
IECEX
IP68



**DS-2XE60x5G0-I**

- 2/4 MP
- Fixed lens

AcuSense
NEMA 4X
IP68



**DS-2XE6242F-IS**

- 4 MP
- Fixed lens

NEMA 4X
IECEX
IP68



**DS-2XE6146F-HS(C)**

- 4 MP
- Fixed lens



Product Showcase

Anti-Corrosion Cameras

Polymer

316L

AcuSense  
DarkFighter<sup>+</sup>  
AIOP



**DS-2DT8C442MXG-LWT**

- 4 MP
- 42x optical zoom

Standard  
4G  
C5-M  
NEMA 4X



**DS-2DT5432MWG-T (PA)**  
**DS-2DT5432MWG-T/4G (PA)**

- 4 MP
- 32x optical zoom

AcuSense  
ColorVu  
C5-M  
NEMA 4X  
IP68 HEOP



**DS-2XC60x7G0-L(S)**

- 2/4 MP
- Fixed lens

AcuSense  
DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
IP68 HEOP



**DS-2XC6Tx6G0H-LI(S)(U)**

- 2/4/8 MP
- Fixed lens

Upcoming

DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
140dB



**DS-2DT6232X-AELY(T5)**

- 2 MP
- 32x optical zoom
- Deep-learning ANPR / face capture


DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X



**DS-2XC66x5G0(D)**

- 2/4/8 MP
- Varifocal lens


DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X



**DS-2XC66x6G0/P-IZH(R)S**

- 2/4/8 MP
- Varifocal lens
- Deep-learning ANPR / perimeter protection

AcuSense  
DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
IP68 HEOP



**DS-2XC66x6G0H-LIZ(S)(U)**

- 2/4/8 MP
- Varifocal lens

Upcoming

AcuSense  
DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
IP68 HEOP



**DS-2XC61x6G0H-LI(S)(U)**

- 2/4/8 MP
- Fixed lens

Upcoming

AcuSense  
DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
IP68 HEOP




**DS-2XC67x6G0H-LIZ(S)(U)**

- 2/4/8 MP
- Varifocal lens

Upcoming

DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
DNV



**DS-2XC60x3G0-IHRS**

- 2/4/8 MP
- Fixed lens
- Deep-learning ANPR / perimeter protection

Upcoming

DarkFighter<sup>+</sup>  
C5-M  
NEMA 4X  
IP68



**DS-2XC67x5G0-IZHS**

- 2/4 MP
- Varifocal lens

C5-M  
NEMA 4X



**DS-2XC6142FWD-IS(C)**

- 4 MP
- Fixed lens





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