

Explosion-Proof Cameras & Anti-Corrosion Cameras

Reliable protection in harsh conditions

**Explosion-Proof Cameras &
Anti-Corrosion Cameras**

Reliable protection in harsh conditions



What [?] 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.



HIKVISION



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

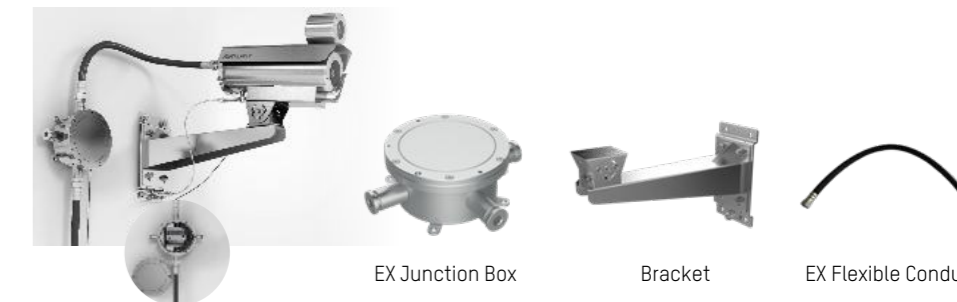
Explosion-proof test

AI algorithm development

Water-proof test

Security is in the details

Hikvision offers specially designed accessories to further mitigate explosion risks.



EX Junction Box

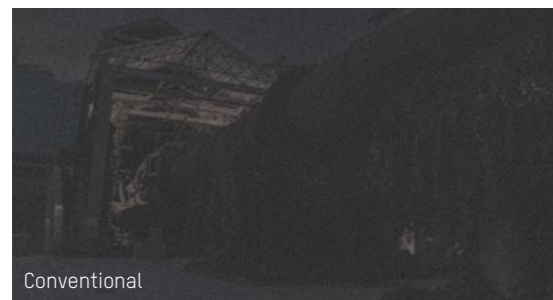
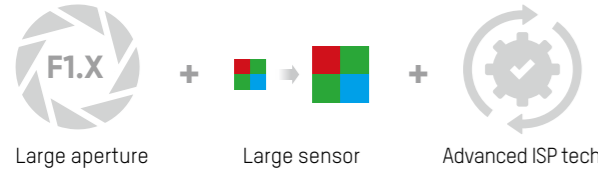
Bracket

EX Flexible Conduit

Unstoppable Protection, Unmatched Performance

See beyond the dark

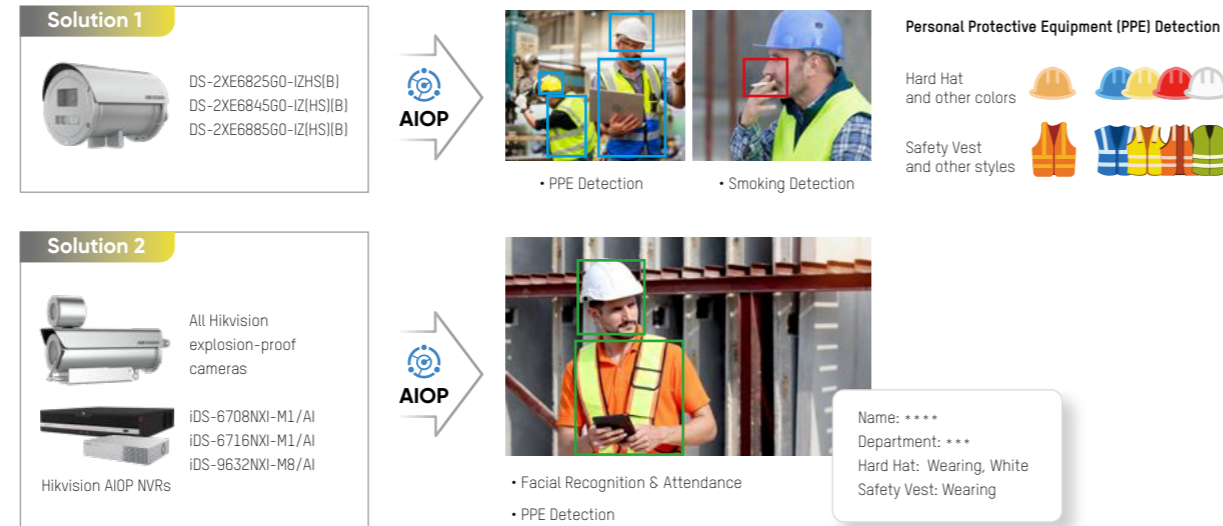
Hikvision's explosion-proof cameras provide industry-leading low-light imagery. The premium 316L stainless steel models come equipped with DarkFighter technology, delivering vibrant, high-definition images even in low light.



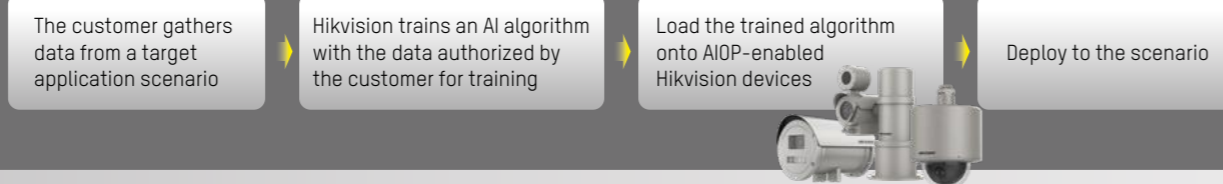
Enhance safety with AI

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

1. Customers deploy AI algorithms directly on Hikvision's explosion-proof cameras, tailored to their unique safety needs.
2. 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.

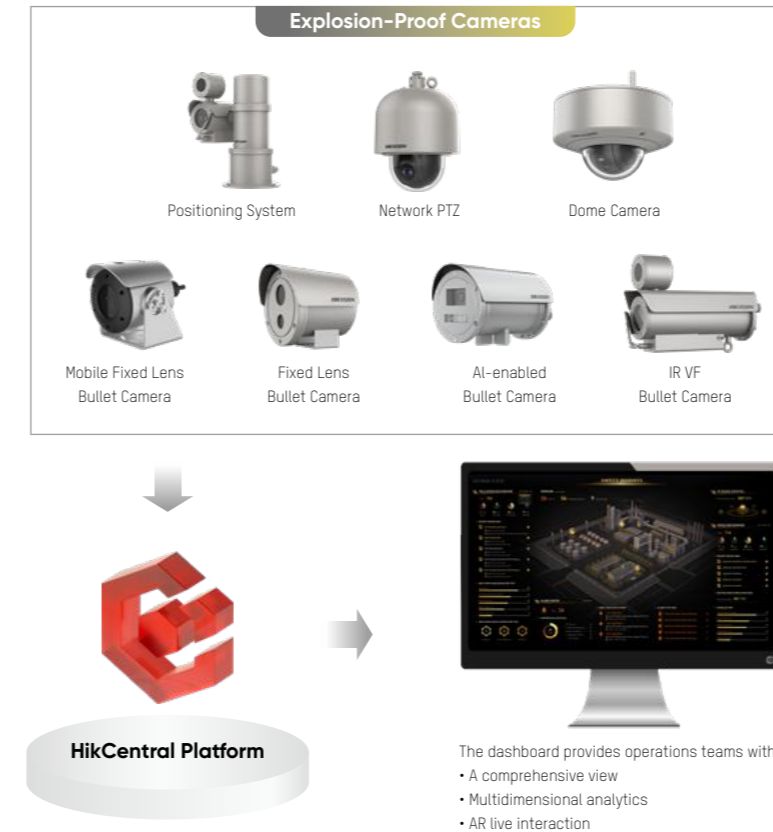


How to have custom AI algorithms?
 The answer is Hikvision's AI Open Platform (AIOP). See how it works.



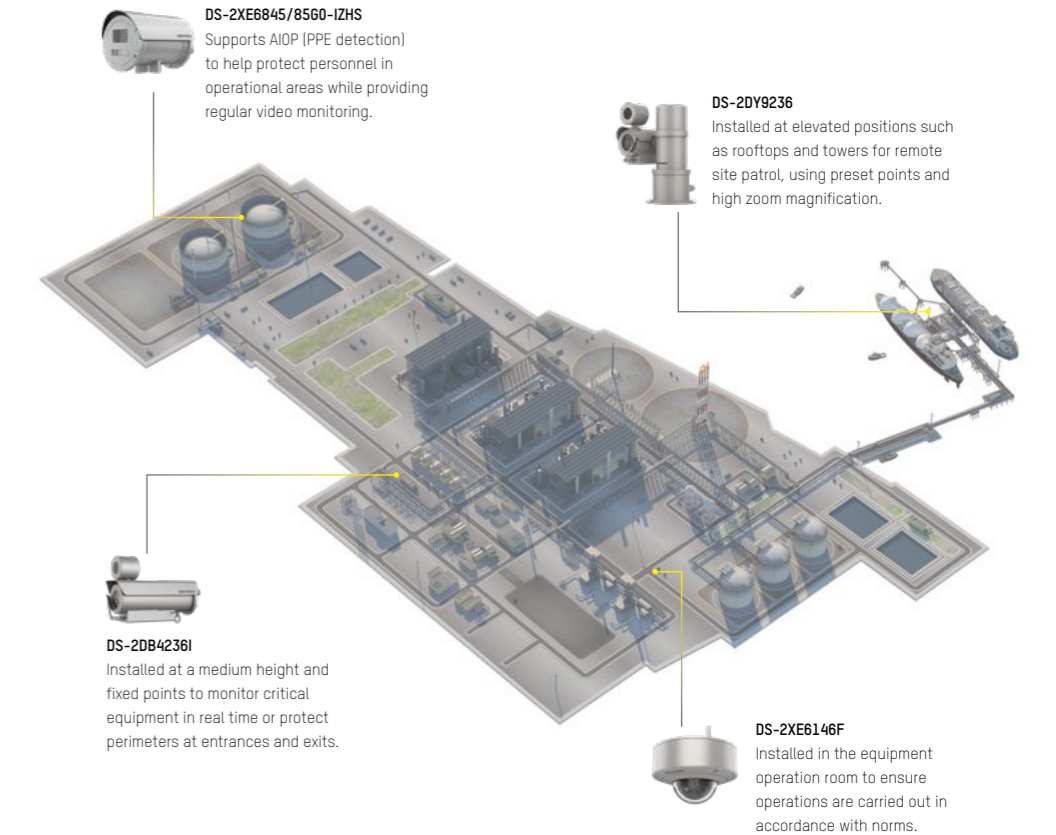
Manage it all on one platform

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



IP

6

8

Ingress Protection

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
 IP68



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

DarkFighter
 NEMA 4X
 IP68



DS-2DF4420-DX(S6)

- 4 MP
- 20x optical zoom

AcuSense
 NEMA 4X
 IP68



DS-2XE6445G0-IZS

- 4 MP
- 4x varifocal lens

DarkFighter
 NEMA 4X
 IP68



DS-2XE6145G0-HS

- 4 MP
- Fixed lens

DarkFighter
 NEMA 4X
 IP68



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

- 2 MP
- 20x optical zoom

DarkFighter
 NEMA 4X
 IP68



DS-2DB4223I-CX

- 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

DarkFighter
 NEMA 4X
 IP68



DS-2XE60x5G0-I

- 2/4 MP
- Fixed lens

AcuSense
 NEMA 4X
 IP68



DS-2XE6242F-IS

- 4 MP
- Fixed lens

DarkFighter
 NEMA 4X
 IP68



DS-2XE6146F-HS(C)

- 4 MP
- Fixed lens

Product Showcase

Anti-Corrosion Cameras

Polymer

316L



AcuSense
DarkFighter
AIOIP

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
C5-M
NEMA 4X
IP68 **HEOP**

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

- 2/4/8 MP
- Fixed lens

Upcoming



DarkFighter
C5-M
NEMA 4X
140db

DS-2DT6232X-AELY(T5)

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



DarkFighter
C5-M
NEMA 4X

DS-2XC66x5G0(D)

- 2/4/8 MP
- Varifocal lens



DarkFighter
C5-M
NEMA 4X

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

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



AcuSense
DarkFighter
C5-M
NEMA 4X
IP68 **HEOP**

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

- 2/4/8 MP
- Varifocal lens

Upcoming




AcuSense
DarkFighter
C5-M
NEMA 4X
IP68 **HEOP**

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

- 2/4/8 MP
- Fixed lens

Upcoming



AcuSense
DarkFighter
C5-M
NEMA 4X
IP68 **HEOP**

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

- 2/4/8 MP
- Varifocal lens

Upcoming



DarkFighter
C5-M
NEMA 4X
DNV

DS-2XC60x3G0-IHRS

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

Upcoming



DarkFighter
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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