



ALL AROUND INTELLIGENT  
**ULTRA SERIES IP CAMERAS -**  
**5 SERIES NETWORK CAMERAS**



# ULTRA SERIES IP CAMERAS – 5 SERIES NETWORK CAMERAS

The 5 Series Network Cameras are not simply upgraded 4 Series IP Cameras. They are truly a technological revolution, combining low-light surveillance and high-definition recognition – two advanced technologies that are compatible for the first time. New codec technology and more available transmission streams also serve to loosen the bottleneck of surveillance data. These features make the 5 Series Cameras perfect for high quality, smart surveillance scenarios.

## KEY FEATURES

### 1 H.265/H.265+ Codec

H.265 is the latest codec technology in video surveillance which doubles the efficiency of H.264. Hikvision combined H.265 and an internally-developed intelligent algorithm to release the H.265+ technology that further boosts transmission efficiency.

Different codec for  
moving target and stable  
background

Prediction Encoding

Extract and abandon  
noise

Noise Suppression

Compensate more bitrate  
to busy hours in the long  
term

Bitrate Control

The latest codec  
technology in video  
surveillance

An intelligent algorithm  
developed by Hikvision that  
vastly decreases the bitrate of  
video based on a standard codec  
technology

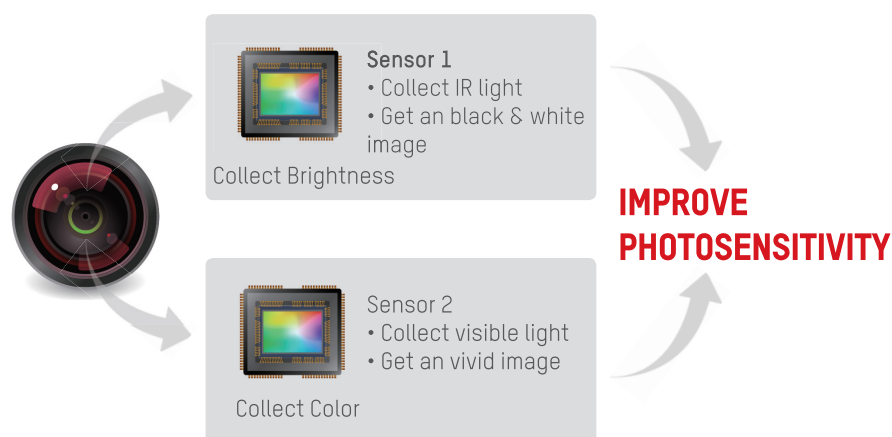


**H.265+**

A codec technology that vastly  
decreases the bandwidth and  
storage requirements for  
security video

## 2 DarkFighter & DarkFighterX

The 5 Series Network Cameras are powered by the well-known DarkFighter Technology – which provides amazing improvements in image quality in low light. And now, they are available in even higher resolution. This technology empowers smart and sophisticated high-quality, wide-range, 24-hour surveillance in the most critical applications.



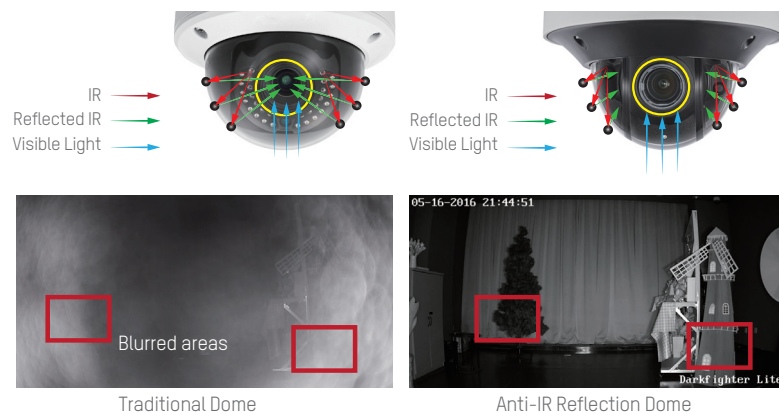
In addition, the DS-2CD5028G0/E-HI with DarkFighterX technology boasts an innovative dual-sensor design – one sensor for IR imaging to guarantee image brightness, and the other sensor for visible light to guarantee vivid color. The camera then combines the two images formed by different spectra into one full-colour image.

## 3 Anti-IR Reflection Bubble

Most often, Infrared-equipped cameras don't use bubble covers for lens protection. This is because when dust and water cling to the bubble's surface, obscured IR light will distort images. Hikvision's new generation of bubble cover design guarantees high image quality, unaffected by matter on the bubble's surface.

When the bubble is adhered with dust and water, the reflected IR will make image blurred.

The new generation bubble guarantees the image quality.



## 4 LightFighter

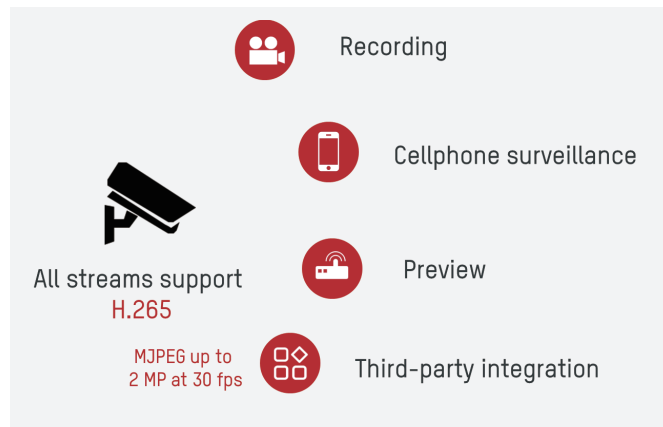
The LightFighter Series integrates true Wide Dynamic Range technology and uses a special algorithm to combine three images with different exposure times into one sharp picture. Its 140 dB dynamic range (2- and 4-MP models) gives this series the power to capture more complete information in situations with highly unbalanced brightness and/or contrast.

## 5 NEMA 4X Anti-Corrosion Paint

NEMA 4X is the National Electrical Manufacturers Association standard for anti-corrosion capability. Anti-corrosion paint on the 5 Series products (-Y models) suits them for environments where cameras without protection corrode – such as environments with heavy rainfall or snow, on the coasts of oceans or lakes, areas with chemical-rich gases or fumes, and more.

## 6 Multiple Streams

Multiple streams are now available for more possibilities with third-party integration, including five defined streams and five custom streams.



## 7 Hikvision Smooth Streaming

Hikvision Smooth Streaming technology automatically adjusts the bit rate and resolution under low-data-rate network conditions to ensure live viewing that's steady, stable, and fluid. Added to that is its self-correcting data processing mechanism, which solves latency and mosaic problems caused by packet loss or error codes.

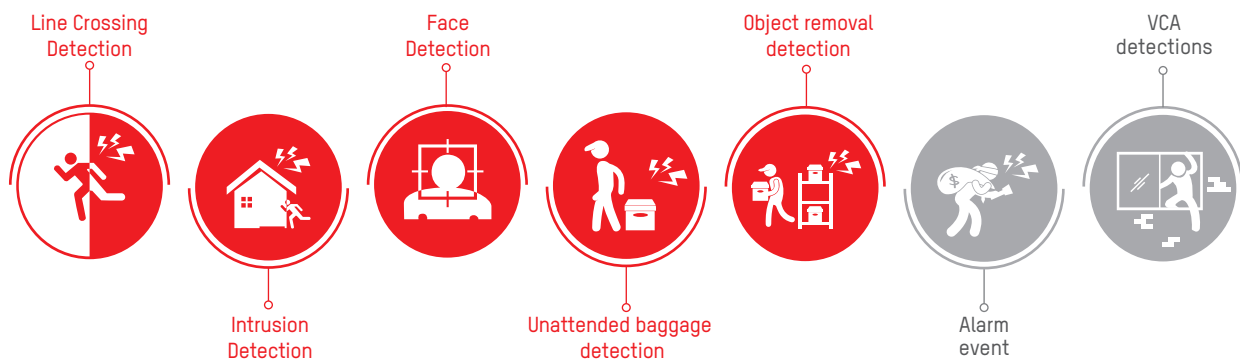
## 8 Hikvision Embedded Open Platform

The Hikvision Embedded Open Platform (HEOP) enables third-party partners to develop applications that can be downloaded and installed on Hikvision network cameras. With this platform, system integrators will be able to meet very specific needs of their clientele by selecting the most suitable applications. What's more, development partners will open the door to more business opportunities, while platform partners would be able to access cameras safely and conveniently through private protocols, reducing server resources.



## 9 Smart Functions

Line crossing detection, intrusion detection, region entry detection, region exit detection, unattended baggage detection, object removal detection, scene change detection, audio anomaly detection, defocus detection, face detection, line crossing counting





## More Features

True WDR

HFOV  
up to 112°

ABF &amp; P-iris

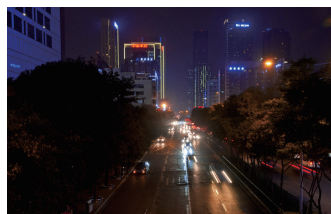
IK10  
including lens

## APPLICATION SCENARIOS

The 5 Series Cameras can be used for wide ranges of high-definition imaging, especially where 24-hour colorful images are needed – such as streets, roads, railways, squares, banks, shopping malls, office buildings, and many more.



Office buildings



Streets



Roads



Railways

## PRODUCT SHOWCASE

**DS-2CD502860/E-HI**  
5 Series DarkFighterX Box Camera  
with Housing



- DarkFighterX
- Min. illumination: 0.001 Lux
- H.265/H.265+
- Dual sensors, Bi-Spectral Fusion
- IP66
- 5-50 mm vari-focal lens
- 10x optical zoom
- IR distance up to 100 m
- 3 data streams
- 120 dB WDR

**DS-2CD50xxG0-(AP)**  
**DS-2CD51xxG0-IZS**  
5 Series Indoor Network Cameras



- 2/4/8/12 MP
- H.265/H.265+
- DarkFighter & LightFighter at 2 MP and 4 MP
- Multiple streams (5 defined streams and 5 custom streams)
- 120 dB WDR (8- and 12-MP models)
- ABF & P-iris (50x6 optional)
- Socket-style interfaces
- 12V DC output interface (speaker)
- Motorised vari-focal lens (51x6)
- IK10 (51x6)

**DS-2CD5AxxG0-IZS(HY)**  
**DS-2CD55xxG0-IZS(HY)**  
5 Series Outdoor Network Cameras



- 2/4/8/12 MP
- H.265/H.265+
- DarkFighter & LightFighter at 2 MP and 4 MP
- Socket-style interfaces
- IK10, IP67
- Anti-IR reflection bubble (55xx)
- Multiple streams (5 defined streams and 5 custom streams)
- 120 dB WDR (8- and 12-MP models)
- Heater and anti-corrosion paint optional (NEMA 4X certification)



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Distributed by



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