VIVID COLORS, ALL DAY, ALL NIGHT
Using Dual-Sensor Imaging to Provide Full Color Images

HIKVISION DarkFighterX CAMERAS
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WHAT IS DarkFighterX?

Of all known crimes, 70% happen at night, hidden under cover of darkness. Yet even in the dark, Hikvision technology continually captures information about suspects and vehicles, such as facial features, height and clothing of suspects, as well as license plate number, vehicle color and type. Until 2012, infrared light is used to improve imaging in low-light environments. Then, in 2013, Hikvision launched its DarkFighter Series Cameras. Since that time, Hikvision has been overcoming challenges to improve image brightness, reduce noise, and enhance color rendition. The result is Hikvision’s ultra-low-light cameras—the DarkFighterX Series, delivering amazing brightness and vivid colors along with extremely sharp, clear images.

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WHAT MAKES DarkFighterX SO POWERFUL?

Based on the retinal imaging that human eyes use to process color and brightness, the DarkFighterX Series Cameras feature an innovative dual-sensor design, one sensor for IR imaging that guarantees image brightness, and the other sensor for visible light that guarantees vivid colors. These signals are then combined into BRIGHT FULL-COLOR imagery in ultra-low light.

Conventional Camera

Normal color reproduction and image brightness

DarkFighter Camera

• 1/4” sensor
• Improved brightness and color

DarkFighterX Camera

• Two 1/2.8” sensors
• Excellent brightness and color for extremely clear imagery

1 LENS

Patented design, one lens for two kinds of light, IR and visible light

2 SPECTRUMS

Patented Bi-Spectrum Image Fusion technology fuses IR and visible light to get colorful and bright imagery

35x OPTICAL ZOOM

Captures clear, bright, and colorful images at night

EXCELLENT PERFORMANCE

Supports H.265+ compression for more efficient bitrate and storage

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IMAGING PERFORMANCE OF DarkFighterX

Indoor

At night, DarkFighterX renders outdoor images that are as bright as day.

Outdoor

Sharper images with no blurring to enhance indoor surveillance.

BUSINESS OPPORTUNITIES

With the official launch of Hikvision’s Integration Partner Program, we are glad to offer an opportunity for extensive cooperation between Hikvision and its various partners. This effort will harness the power of combined networks to create a joint value proposition and gain the leading edge in the market.

When joining this program as a Hikvision Strategic Partner, you will enjoy access to a wealth of technical and commercial resources, and we will ensure that your solution enjoys strategic marketing through our communication channels. You will also get instant access to our entire sales organization. A vital part of our program is streamlined online communication with our technical teams as well as the tools to plan the go-to-market activities.

COOPERATION PROCESS

Demand for cooperation → Online request via partner ecosystem portal

After evaluation, you'll receive a welcome package with a business cooperation proposal.

MARKETING

- Partner application recommendation on Hikvision global network
- Co-promotion opportunities
colored access stories
- Global press releases
- Social media exposure
- Branding opportunities
- Hikvision product materials

TECHNICAL SUPPORT

- Regular local networking opportunities
- Dedicated partner management
- Project-sharing possibilities

BUSINESS DEVELOPMENT

- Qualified integration service
- Dedicated integration development support
- Strategic partner cooperation value proposal
- In-depth training

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DarkFighterX CAMERAS
Hikvision DarkFighterX Cameras have been officially released all around the world, and are project-ready from all of our distribution networks and branch offices, ensuring a quarantined logistic supply and local technical support.

In order to build a better joint value proposition with our DarkFighterX cameras, we will take the integration approaches based on the partner’s strengths.

5 APPLICATION SCENARIOS

The DarkFighterX Series Cameras can be used in a wide range of scenarios where high-definition colorful images are required, such as streets, forests, railways, airports, and parks.

- Video, alarm, on-board VCA
- ISAPI + HCNetSDK
- Partner’s platform
- A specified partner application that we’ll promote in dedicated areas
DEVICES MODEL FUNCTIONS

**NVR**
- Conventional NVR
  - Preview, storage, playback, parameter configuration

**VMS**
- Conventional CVR
  - Preview, storage, CVR playback
- Conventional Decoder
  - Preview, decode and display on wall

**Accessories**
- PTZ bracket
  - DS-1603ZJ-P and DS-1603ZJ-P, wall mount
  - DS-1603ZJ-Pole-P, vertical pole mount
  - DS-1661ZJ-P, pendant mount
- Bullet bracket
  - DS-1293ZJ, wall mount
  - DS-1269ZJ and DS-1668ZJ(20)-P, pendant mount

**DS-2CD2535F1-I-A**
- Dual-sensor, 1/3" progressive scan CMOS
- Full-color image output
- 1500 x 1088 @ 30 fps
- 1560MHz, 2 alarms/inputs/outputs, 1 audio input/output
- Operating temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- Supports H.265/H.264 video compression
- Up to 100 m IR range

**DS-2DF8225IH-AEL**
- Dual-sensor, 1/1.8" progressive scan CMOS
- Full-color image output
- 3500 x 1944 resolution
- Full-color image output
- 0.001 lux (F1.5, AGC ON)
- 0 lux with IR
- 35x optical zoom, 16x digital zoom
- Supports 1080P, 2.8-12mm, H.265, BLC, 3DNR, Smart IR
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Digital WDR, 3D DNR, HLC, BLC, EIS, Chroma defog
- Supports H.265+ video compression
- Supports rapid focus
- Smart IR, with up to 500 m IR distance
- Rain-sensing auto wiper
- IP67

**DS-2CD2335-I**
- Dual-sensor, 1/3" progressive scan CMOS
- Full-color image output
- 1920 x 1080 resolution
- Full-color image output
- 0.001 lux (F1.5, AGC ON)
- 0 lux with IR
- 35x optical zoom, 16x digital zoom
- Supports 1080P, 2.8-12mm, H.265, BLC, 3DNR, Smart IR
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Digital WDR, 3D DNR, HLC, BLC
- Up to 200 m IR distance, Smart IR
- 3x zoom & 2-IR
- Optical defog
- Wiper (optional)
- IK10 for model without wiper
- IP67

**DS-2DF9C435IH-DLW**
- Dual-sensor, 1/2.8" progressive scan CMOS
- Full-color image output
- 1920 x 1080 @ 30 fps
- 1 RS485, 2 alarm inputs/outputs, 1 audio input/output
- Operating temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- Supports H.265/H.264 video compression
- Up to 100 m IR range

**DS-2CD5028FWD-E-IRA**
- Dual-sensor, 1/2.8" progressive scan CMOS
- Full-color image output
- 1920 × 1080 @ 30 fps
- 1 RS485, 2 alarm inputs/outputs, 1 audio input/output
- Operating temperature: -40 °C to +60 °C (-40 °F to +140 °F)
- Supports H.265/H.264 video compression
- Up to 100 m IR range
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