

VIVID COLORS, ALL DAY, ALL NIGHT

Using Dual-Sensor Imaging to Provide Full Color Images

HIKVISION DarkFighterX CAMERAS



HIKVISION[®]



VIVID COLORS,
ALL DAY, ALL NIGHT

DarkFighterX CAMERAS

- 1** WHAT IS DarkFighterX?
- 2** WHAT MAKES DarkFighterX SO POWERFUL?
- 3** IMAGING PERFORMANCE OF DarkFighterX
- 4** BUSINESS OPPORTUNITIES
- 5** APPLICATION SCENARIOS
- 6** PRODUCT SHOWCASE
- 7** RELATED PRODUCTS

1. 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.

Conventional Camera

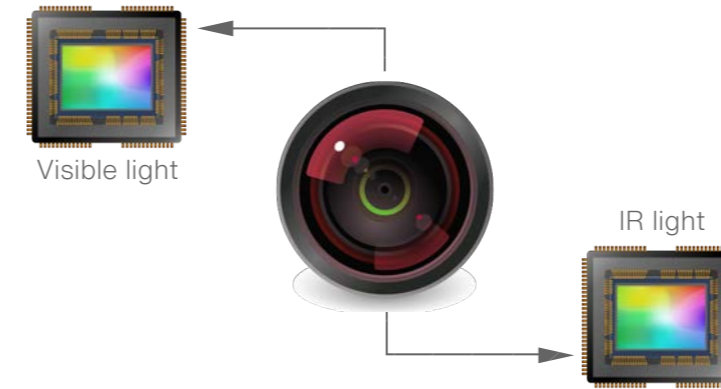
Normal color reproduction and image brightness

DarkFighter Camera

- 1/1.8" sensor
- Improved brightness and color

DarkFighterX Camera

- Two 1/2.8" sensors
- Excellent brightness and color for extremely clear imagery



2. 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.

2 SENSORS

Patented design, one sensor for IR light, one sensor for visible light

1 LENS

Only 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

DarkFighterX

35X OPTICAL ZOOM

35x OPTICAL ZOOM

EXCELLENT PERFORMANCE

Captures clear, bright, and colorful images at night

EXTREME LOW BITRATE AND STORAGE

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

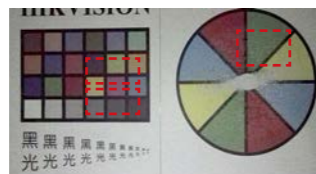
3 IMAGING PERFORMANCE OF DarkFighterX

Indoor

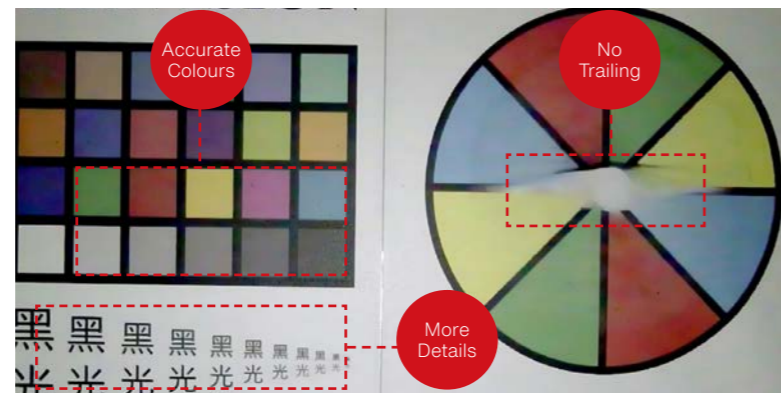
At night, DarkFighterX renders outdoor images that are as bright as day.



Conventional camera



DarkFighter



DarkFighterX

Outdoor

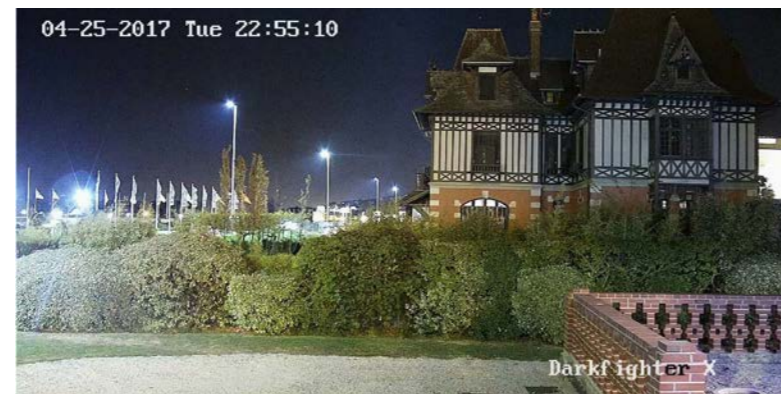
Sharper images with no blurring to enhance indoor surveillance.



Conventional camera



DarkFighter

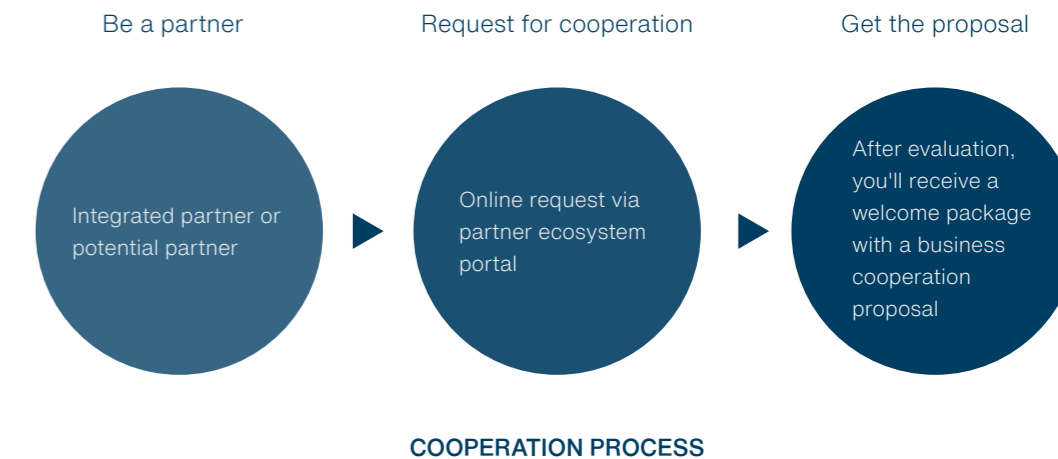


DarkFighterX

4 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.



VIVID COLORS,
ALL DAY, ALL NIGHT
DarkFighterX CAMERAS



MARKETING

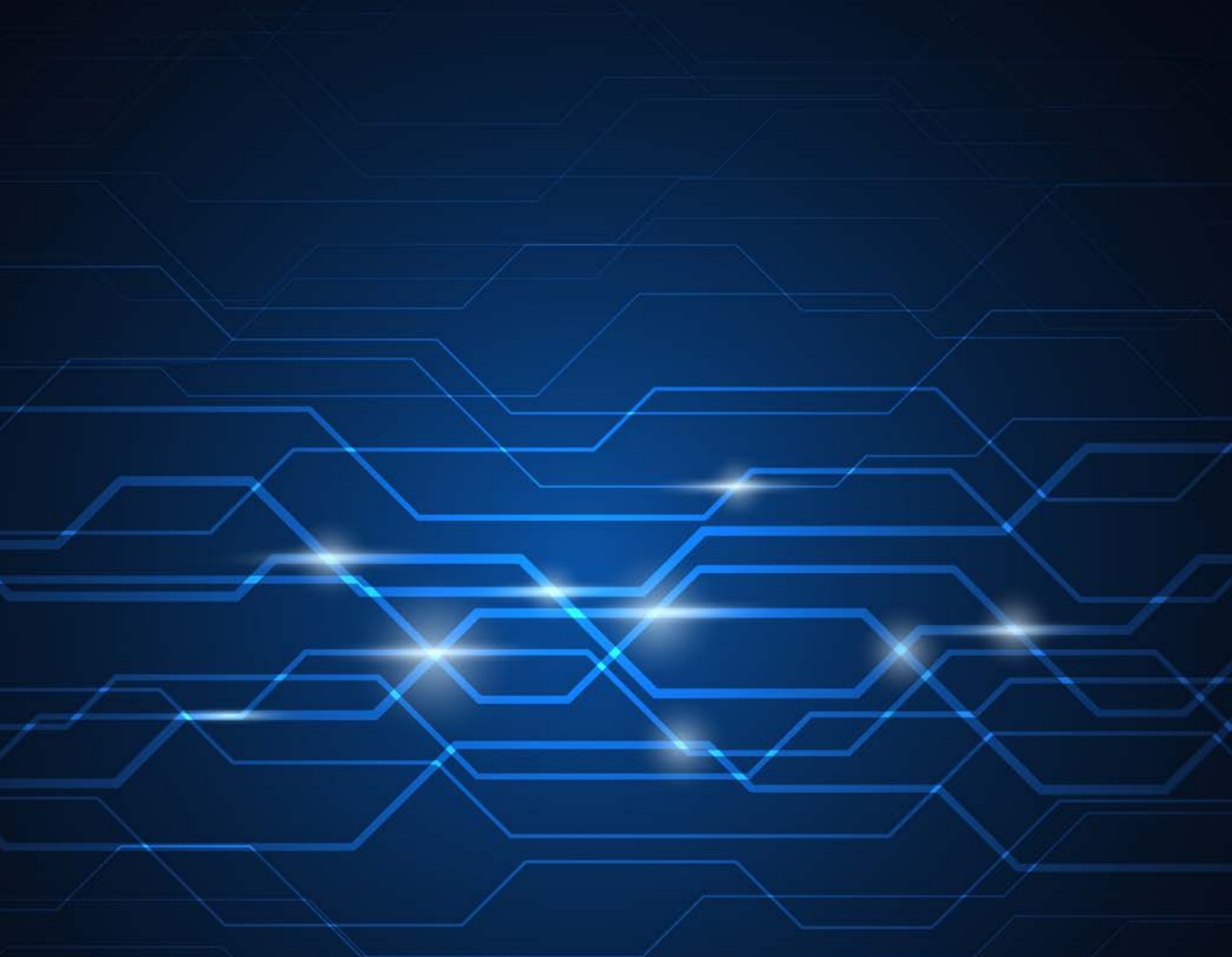
- Partner application recommendation on Hikvision global network
- Co-exhibition opportunities
- Co-branded success stories
- Global press releases
- Social media exposure
- Branding opportunities
- Hikvision product materials

TECHNICAL SUPPORT

- Qualified integration service
- Dedicated integration development support
- Integration priority service
- Targeted product & cooperation value proposal
- In-depth training

BUSINESS DEVELOPMENT

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



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.



Video, alarm, on-board VCAs



ISAPI + HCNetsDK



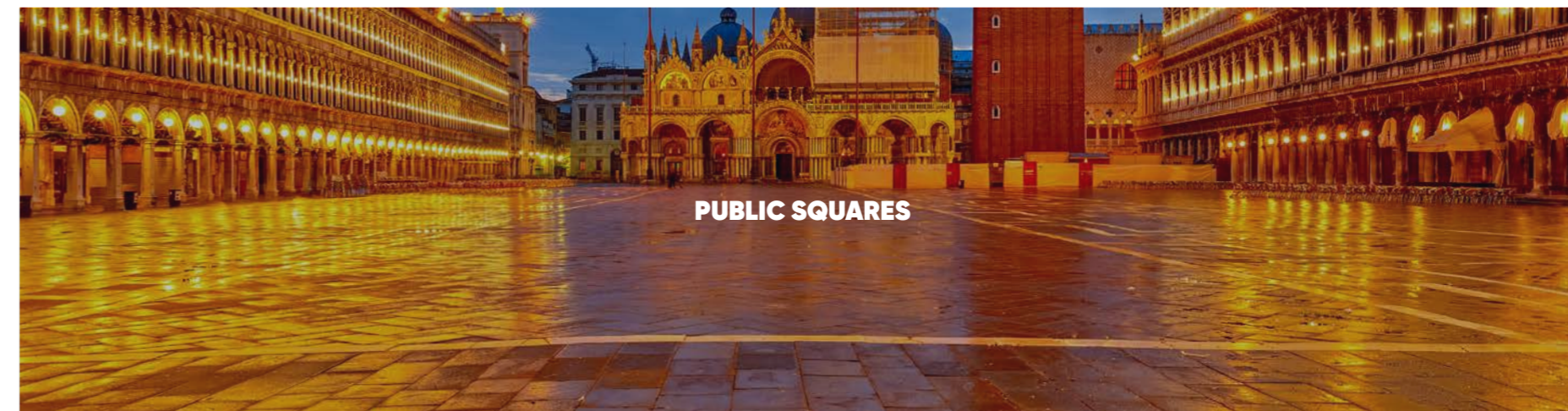
Partner's platform



A specified partner application that we'll promote in dedicated areas

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.



VIVID COLORS,
ALL DAY, ALL NIGHT
DarkFighterX CAMERAS

6

PRODUCT SHOWCASE

**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

**DS-2DF9C435IH-DLW**

35X

- Dual-sensor, 1/1.8" progressive scan CMOS
- Full-color image output
- Up to 2688 × 1512 resolution
- Min. illumination:
Color: 0.0005 lux @ (F1.5, AGC ON)
B/W: 0.0001 lux @ (F1.5, AGC ON)
0 lux with IR
- 35x optical zoom, 16x digital zoom
- 120 dB WDR, 3D DNR, HLC, BLC, EIS, Chromatic defog
- Supports H.265+/H.265 video compression
- Supports rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Smart IR, with up to 500 m IR distance
- Rain-sensing auto wiper
- IP67

**DS-2DF8225IH-AEL**

25X

- Dual-sensor, 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. illumination:
Color: 0.001 lux @ (F1.5, AGC ON)
B/W: 0.0001 lux @ (F1.5, AGC ON)
0 lux with IR
- 25x optical zoom, 16x digital zoom
- Supports H.265+/H.265 video compression
- 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
- 24 VAC & Hi-PoE
- Optical defog
- Rapid focus
- Wiper (optional)
- IK10 for model without wiper
- IP67

7

RELATED PRODUCTS

DEVICES	MODEL	FUNCTIONS
NVR VMS	Conventional NVR	Preview, storage, playback, parameter configuration
	Conventional CVR	Preview, storage, CVR playback
	Conventional Decoder	Preview, decode and display on wall
Accessories	iVMS 4200	Preview, storage, playback, parameter configuration
	PTZ bracket	DS-1602ZJ-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

VIVID COLORS,
ALL DAY, ALL NIGHT
DarkFighterX CAMERAS

VIVID COLORS, ALL DAY, ALL NIGHT

Using Dual-Sensor Imaging to Provide Full Color Images

HIKVISION DarkFighterX CAMERAS

Distributed by



HIKVISION®



Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

Follow us on social media to get the latest product and solution information

