

HIKVISION®

2.0



DARKFIGHTER 2.0

Technology & Products

Sharper motion in any light

Why Is Low-light Imaging Important?

Security demands are evolving, particularly in challenging environments where light is less than ideal. The ability to capture clear images in low light is essential in places like intersections or car parks, where it's important to clearly see various objects and movements at all times. Whether day or night, it's crucial to ensure that every detail is visible, vivid, and in colour.

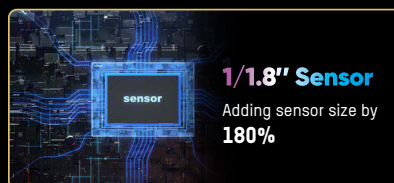
DarkFighter Technology Family: See Without Compromises

Since its introduction, Hikvision's DarkFighter technology family has been at the forefront of low-light imaging. Hikvision is leading the way with its DarkFighter, DarkFighterS, and DarkFighterX technologies. DarkFighter 2.0 builds on this legacy, offering advanced features and superior imagery that set a new standard in the security industry.

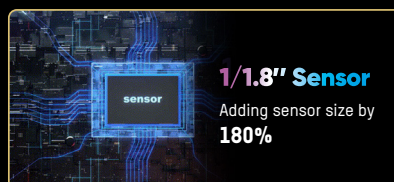
DarkFighter 2.0

AI-powered low-light imaging running on powerful processor

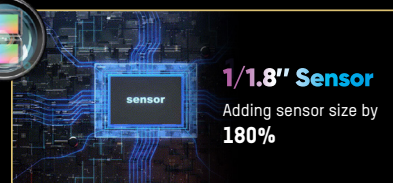
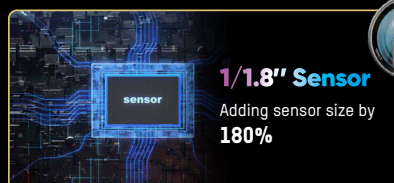
DarkFighter



DarkFighter S



DarkFighter X





Help Users Get the Max from Video

DarkFighter 2.0 technology uses advanced camera sensors, large apertures, and new AI-driven technologies to provide sharp images with lifelike colors in ultra-low light. It ensures that critical details are never compromised, no matter the lighting conditions. This allows users to consistently obtain useful footage.

Capture detail, not noise

The SharpMotion feature guarantees sharp and colorful video of dynamic scenes with minimised noise and blur by combining AI and image signal processing (ISP).



Keep everything crisp & clear

The ShotN feature* simultaneously captures clear images of objects moving at different speeds, such as a car and a person. This is accomplished by setting suitable shutter speeds according to object types.

**This feature will only function when Multi-Target-Type-Detection is activated.*



Fluid motion, unmatched clarity

High Frame Rate enables clear capture of fast-moving objects, with a resolution of up to 4K at 60 fps.



Balance all the pixels

In the face of challenging light conditions, Auto Wide Dynamic Range (AWDR) automatically enhances dynamic range by blending multiple exposure data, preventing overexposure in bright areas and retaining detail in dark areas.



Make the Most of AI

For select cameras empowered by DarkFighter 2.0, AI is not just used to enhance image signals. It also means enhanced AI capabilities. The **dual AI functionality** enables the simultaneous operation of two AI algorithms. For example, perimeter protection and ANPR can operate simultaneously on one Gen-2 DeepinView camera at a car park, making it versatile for complex applications.



☒ **ANPR on** to recognise passing vehicles

☒ **Perimeter Protection on** to alert pedestrians in the traffic lanes

Application Scenarios



Industrial parks



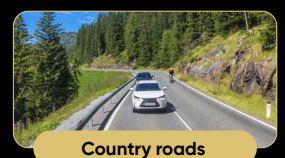
Residences



Urban roads



Outdoor car parks



Country roads

Product Showcase DeepinView Series

7-Line Multi-Intelligence (Varifocal Lens)



IDS-2CD7Ax762-XZHS(Y)

- 4/8 MP@60 fps, 2.8-12 mm motor lens
- 1/1.8" sensor, P-Iris, F1.0, smart hybrid light
- SharpMotion, ShotN, AWDR
- HEOP, AIOP, 8-in-1 intelligence, simultaneous dual AI
- G-Sensor, TPM 2.0, Power Meter
- 1/1 Audio I/O, 2/2 Alarm I/O, 1 CVBS Video Out, -Y: 1 RS-485, 12V DC Power Out
- IP67, IK10, EN50121-4, PVC FREE, NEMA 4X for -Y models



IDS-2CD7Ax662-IZHS(Y)(1T)

- 4/8 MP@60 fps, or 12 MP@30 fps, 2.8-12 mm/8-32 mm motor lens
- 1/1.8" sensor, P-Iris
- SharpMotion, ShotN, AWDR
- HEOP, AIOP, 8-in-1 intelligence, simultaneous dual AI
- G-Sensor, TPM 2.0, Power Meter
- 1/1 Audio I/O, 2/2 Alarm I/O, 1 CVBS Video Out, -Y: 1 RS-485, 12V DC Power Out
- IP67, IK10, EN50121-4, PVC FREE, NEMA 4X for -Y models
- (1T): built-in 1 TB SSD (4 MP models only)



IDS-2CD75x662-XZHS(Y)

- 4/8 MP@60 fps, or 12 MP@30 fps, 2.8-12 mm/8-32 mm motor lens, PTRZ
- 1/1.8" sensor, P-Iris, smart hybrid light
- SharpMotion, ShotN, AWDR
- HEOP, AIOP, 8-in-1 intelligence, simultaneous dual AI
- G-Sensor, TPM 2.0, Power Meter
- 1/1 Audio I/O, 1/1 Alarm I/O, Built-in 2 Mics & 1 Speaker, 1 RS-485, 12V DC Power Out, 1 CVBS Video Out
- IP67, IK10, EN50121-4, PVC FREE, NEMA 4X for -Y models



IDS-2CD71x662-IZ(H)S(Y)(1T)

- 4/8 MP@60 fps, or 12 MP@30 fps, 2.8-12 mm/8-32 mm motor lens
- 1/1.8" sensor, P-Iris
- SharpMotion, ShotN, AWDR
- HEOP, AIOP, 8-in-1 intelligence, simultaneous dual AI
- G-Sensor, TPM 2.0, Power Meter
- 1/1 Audio I/O, 2/2 Alarm I/O, Built-in 2 Mics & 1 Speaker, 1 RS-485, 12V DC Power Out, 1 CVBS Video Out
- IP67, IK10, EN50121-4, PVC FREE, NEMA 4X for -Y models
- (1T): built-in 1 TB SSD (4 MP models only)



IDS-2CD704662/E-IHS(Y)

- 4/8 MP@60 fps, or 12 MP@30 fps, 3.8-16 mm/11-40 mm motor lens
- 1/1.8" sensor, P-Iris
- SharpMotion, ShotN, AWDR
- HEOP, AIOP, 8-in-1 intelligence, simultaneous dual AI
- G-Sensor, TPM 2.0, Power Meter
- 2/2 Alarm I/O, 1 RS-485, 12V DC Power Out, 1 CVBS Video Out, without -R: 1/1 Audio I/O
- IP66, IK10, NEMA 4X, PVC FREE, EN50121-4 for -R models



IDS-2CD7A4662-IZHS(Y)(6-132mm)

- 4 MP@60 fps, 6-132 mm motor lens, 22x optical zoom
- 1/1.8" sensor, P-Iris
- SharpMotion, ShotN, AWDR
- 8-in-1 intelligence, support AIOP, HEOP
- G-Sensor, TPM 2.0, Power Meter, built-in gyroscope image stabilisation
- 1/1 Audio I/O, 2/2 Alarm I/O, 1 CVBS Video Out, -Y: 1 RS-485, 12V DC Power Out
- IP67, IK10, PVC FREE, NEMA 4X for -Y models

8-Line Special Models

COMING SOON



IDS-2CD8A4862-XZHS(Y)

- 2-ch 4 MP@30 fps
- 15-45 mm DarkFighterX motor lens + 4 mm F1.0 fixed lens
- Dual 1/1.8" sensors, smart hybrid light
- P-Iris, 140 dB WDR
- SharpMotion, ShotN
- 6-in-1 intelligence on CH-1; Perimeter Protection on CH-2
- TPM 2.0
- 1/1 Audio I/O, 2/2 Alarm I/O, 1 CVBS Video Out, 1 RS-485, 12V DC Power Out
- IP67, IK10, PVC FREE, NEMA 4X for -Y models



IDS-2CD8Ax662-XZHS(Y)

- 4 MP@60 fps + 4 MP@30 fps/8 MP@24 fps + 4 MP@30 fps
- 8A46: 8-32 mm DarkFighter motor lens + 4 mm F1.0 fixed lens; 8A86: 10-50 mm DarkFighter motor lens + 4 mm F1.0 fixed lens;
- 8A46: Dual 1/1.8" sensors, 8A86: 1/1.2" sensor + 1/1.8" sensor
- P-Iris, smart hybrid light, 140 dB WDR
- SharpMotion, ShotN
- 6-in-1 intelligence on CH-1; Perimeter Protection on CH-2
- TPM 2.0
- 1/1 Audio I/O, 2/2 Alarm I/O, 1 CVBS Video Out, 1 RS-485, 12V DC Power Out
- IP67, IK10, PVC FREE, NEMA 4X for -Y models



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