GREAT INNOVATION
FROM DEEP INSIDE
A NEW GENERATION OF
DF SERIES PTZ CAMERAS
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DF Series PTZ Cameras are designed with excellent pan, tilt, and zoom capabilities for round-the-clock operation – meeting and exceeding customer’s critical needs across vertical markets. To take this great technology over the next horizon, Hikvision has launched a new generation of DF Series Cameras with tremendous innovation while maintaining nearly the same, perfectly-suited housings.

The new DF Series – designed around an entirely new platform – come with various innovative features. Revolutionary dual-sensor DarkFigherX, 50x super zoom with OIS, Rapid-Focus, the latest deep learning algorithm and H.265+ codec are all integrated into this series to better fulfill every challenging need in the industry.
FEATURES OF NEW DF SERIES

1 DarkFighterX

DarkFighterX
- Higher brightness
- Better color fidelity
- Sharper edge
- Less noise and blur

*Note: only for DS-2DF8225IH-AEL(W) and DS-2DF8225I5H-AEL(W)

Revolutionary Dual-Sensor Design
One sensor captures black and white images while the other captures color images. The two images then merge into one with full color and sufficient brightness.

* Note: only for DS-2DF8225IH-AEL(W) and DS-2DF8225I5H-AEL(W)
**4 MP DarkFighter**

Outdoor low-light performance with 4 MP resolution
Sharper images with less noise to enhance outdoor surveillance.

Conventional PTZ

4 MP DarkFighter PTZ

**OIS**

Optical Image Stabilization
Equipped with gyroscopes, Optical Image Stabilization (OIS) lenses, and dedicated processors. Hikvision PTZ cameras can sense vibrations, then make quick and precise compensations to keep the video stable.

OIS off

OIS on

**SUPER ZOOM**

Zoom lens with unconventionally large focal length factors
Up to 50x optical zoom

1x

6x

27x

50x

*Note: only for DS-2DF8250ISX-AEL(W), DS-2DF8250I8X-AEL(W)*
4K

8 MP ultra-high definition

H.265+ CODEC

Most Efficient Use of Bandwidth
How many 2 MP cameras can be carried by a 20 Mbps broadband network?

Most Efficient Use of Storage
How long can 5 TB of storage space last for eight 2 MP cameras?

- 5 cameras: H.264 (0.5 month), H.265 (1 month), H.265+ (2 months)
- 10 cameras: H.264 (1 month), H.265 (2 months), H.265+ (2 months)
- 20+ cameras: H.264 (2 months), H.265 (2 months), H.265+ (2 months)

20 Mbps broadband network
Eight 2 MP cameras
5 TB of storage
**EMBEDDED DEEP LEARNING ALGORITHM**

**False Alarm Filter and Auto-Tracking 2.0**

Deep learning algorithm filters out false alarms caused by non-target objects such as animals, leaves, and light changes, greatly improving the accuracy of false alarm filter and auto-tracking.

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**APPLICATION SCENARIOS**

- Squares
- Harbors
- Cities
- Stadiums
- Intersections
- Airports
- Schools
- Parking lots
- Warehouses
DF SERIES PTZ CAMERAS

**DarkFighterX**

- **DS-2DF8250I5X-AEL(W)**
  - 2 MP 50x 500 m Laser Network PTZ Dome
  - Dual-sensor, 1/2.8” Progressive Scan CMOS
  - Up to 1920 × 1080 resolution
  - Min. illumination:
    - Color: 0.0004 lux @ (F1.8, AGC ON)
    - B/W: 0.0001 lux @ (F1.5, AGC ON)
  - 50× optical zoom, 16× digital zoom
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)

- **DS-2DF8225I5H-AEL(W)**
  - 2 MP 25x 500 m Laser Network PTZ Dome
  - Dual-sensor, 1/2.8” Progressive Scan CMOS
  - Up to 1920 × 1080 resolution
  - Min. illumination:
    - Color: 0.0004 lux @ (F1.5, AGC ON)
    - B/W: 0.0001 lux @ (F1.5, AGC ON)
  - 25× optical zoom, 16× digital zoom
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - 24 VAC & Hi-PoE
  - Up to 200 m laser distance
  - 24 VAC & Hi-PoE
  - Optical defog
  - Wiper, optional
  - IP67
  - IK10 (without wiper)

**Super Zoom**

- **DS-2DF8250I5X-AEL(W)**
  - 2 MP 50x 500 m Laser Network PTZ Dome
  - Dual-sensor, 1/2.8” Progressive Scan CMOS
  - Up to 1920 × 1080 resolution
  - Min. illumination:
    - Color: 0.0004 lux @ (F1.8, AGC ON)
    - B/W: 0.0001 lux @ (F1.8, AGC ON)
  - 50× optical zoom, 16× digital zoom
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)

- **DS-2DF8225I8X-AEL(W)**
  - 2 MP 25x 200 m IR Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 × 2160 resolution
  - Min. illumination:
    - Color: 0.005 lux @ (F1.5, AGC ON)
    - B/W: 0.0005 lux @ (F1.5, AGC ON)
  - 36× optical zoom, 16× digital zoom
  - Digital WDR, 3D DNR, HLC, Smart IR
  - 24 VAC & Hi-PoE
  - Optical defog
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)

**4K**

- **DS-2DF8836I5X-AEL(W)**
  - 8 MP 36x 500 m Laser Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4098 × 2162 resolution
  - Min. illumination:
    - Color: 0.005 lux @ (F1.5, AGC ON)
    - B/W: 0.0005 lux @ (F1.5, AGC ON)
  - 36× optical zoom, 16× digital zoom
  - Digital WDR, 3D DNR, HLC, Smart IR
  - 24 VAC & Hi-PoE
  - Optical defog
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)

- **DS-2DF6A825X-AEL**
  - 8 MP 25x 200 m IR Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 × 2160 resolution
  - Min. illumination:
    - Color: 0.005 lux @ (F1.5, AGC ON)
    - B/W: 0.0005 lux @ (F1.5, AGC ON)
  - 25× optical zoom, 16× digital zoom
  - Digital WDR, 3D DNR, HLC, Smart IR
  - 24 VAC & Hi-PoE
  - Optical defog
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67, IK10

**50X**

- **DS-2DF8250I5X-AEL(W)**
  - 2 MP 50x 500 m Laser Network PTZ Dome
  - 1/2.8” Progressive Scan CMOS
  - Up to 1920 × 1080 resolution
  - Min. illumination:
    - Color: 0.01 lux @ (F1.8, AGC ON)
    - B/W: 0.001 lux @ (F1.8, AGC ON)
  - 50× optical zoom, 16× digital zoom
  - Optical Image Stabilization
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)

- **DS-2DF8836IX-AEL(W)**
  - 8 MP 36x 200 m IR Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 × 2160 resolution
  - Min. illumination:
    - Color: 0.005 lux @ (F1.5, AGC ON)
    - B/W: 0.0005 lux @ (F1.5, AGC ON)
  - 36× optical zoom, 16× digital zoom
  - Digital WDR, 3D DNR, HLC, Smart IR
  - 24 VAC & Hi-PoE
  - Optical defog
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Rapid focus
  - IP67
  - IK10 (without wiper)
PRODUCT SHOWCASE

4 MP DarkFighter

- 1/1.8” progressive scan CMOS
- Up to 2560 x 1440 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.5, AGC ON)
  - B/W: 0.0002 lux @ (F1.5, AGC ON)
- 36x optical zoom, 16x digital zoom
- WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Optical defog
- Up to 500 m laser distance
- H.265+/H.265 video compression
- Rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP67
- IK10 (without wiper)

2 MP DarkFighter

- 1/1.8” progressive scan CMOS
- Up to 1920 x 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.5, AGC ON)
  - B/W: 0.0002 lux @ (F1.5, AGC ON)
- 25x optical zoom, 16x digital zoom
- WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Optical defog
- Up to 200 m IR distance
- H.265+/H.265 video compression
- Rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP67
- IK10 (without wiper)
**PRODUCT SHOWCASE**

**DS-2DF6A225X-AEL**
2 MP 25x Network PTZ Dome
- 1/2.8” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.2, AGC ON)
  - B/W: 0.0002 lux @ (F1.2, AGC ON)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Optical defog
- H.265+/H.265 video compression
- Rapid focus
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP67, IK10

**DS-2DF7232IX-AEL(W)**
2 MP 32x 200 m IR Network PTZ Dome
- 1/2.8” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.2, AGC ON)
  - B/W: 0.0002 lux @ (F1.2, AGC ON)
- 0 lux with IR
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Up to 150 m IR distance
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IP66

**DS-2DF6225X-AEL**
2 MP 25x Network PTZ Dome
- 1/2.8” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.2, AGC ON)
  - B/W: 0.0002 lux @ (F1.2, AGC ON)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Optical Defog
- 24 VAC & Hi-PoE
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection

**DS-2DF5232X-AEL**
2 MP 32x Network PTZ Dome
- 1/2.8” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.2, AGC ON)
  - B/W: 0.0002 lux @ (F1.2, AGC ON)
- 32× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- Optical defog
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- FP6, IK10

**DS-2DF5225X-AEL3**
2 MP 25x Indoor Network PTZ Dome
- 1/2.8” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.2, AGC ON)
  - B/W: 0.0002 lux @ (F1.2, AGC ON)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC
- 24 VAC & Hi-PoE
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP66
PRODUCT COOPERATION PROPOSAL

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 organisation. 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.

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 following integration approaches based on the partner’s strengths:

**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

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.
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