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

- Revolutionary dual-sensor design, superb ultra-low-light performance
- DarkFighter technology incorporates into ultra-high resolution
- Excellent image stabilization in challenging conditions
- Powerful focusing capability
- Remarkable efficiency in bandwidth and storage usage
- Effective VCA for practical applications

DarkFighterX
- Higher brightness
- Better color fidelity
- Sharper edge
- Less noise and blur
*Note: only for DS-2DF8225IH-AEL(W) and DS-2DF8225I5H-AEL(W)

Visible Light/Color

- IR/Brightness

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-2DF8250ISX-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?

- H.264: 5 cameras
- H.265: 10 cameras
- H.265+: 20+ cameras

Most Efficient Use of Storage

How long can 5 TB of storage space last for eight 2 MP cameras?

- H.264: 0.5 months
- H.265: 1 month
- 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.

APPLICATION SCENARIOS

Squares  Harbors  Cities

Stadiums  Intersections  Airports

Schools  Parking lots  Warehouses
DF SERIES PTZ CAMERAS

### DarkFighterX

- **DS-2DF8225IS-H-AEL(W)**
  - 2 MP 25x 500 m Laser Network PTZ Dome
  - 50x optical zoom, 16x digital zoom
  - 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-2DF8250ISX-AEL(W)**
  - 2 MP 50x 500 m Laser Network PTZ Dome
  - 50x optical zoom, 16x digital zoom
  - 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-2DF8250I5X-AEL(W)**
  - 2 MP 25x 500 m Laser Network PTZ Dome
  - 25x optical zoom, 16x digital zoom
  - 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)

### Super Zoom

- **DS-2DF8825I5X-AEL(W)**
  - 2 MP 25x 200 m IR Network PTZ Dome
  - 25x optical zoom, 16x digital zoom
  - 120 dB WDR, 3D DNR, HLC, BLC
  - Optical defog
  - 24 VAC & Hi-PoE
  - Up to 500 m IR distance
  - 24 VAC & Hi-PoE
  - IP67
  - IK10 (without wiper)

- **DS-2DF8825I5X-AEL(W)**
  - 2 MP 25x 800 m Laser Network PTZ Dome
  - 25x optical zoom, 16x digital zoom
  - Optical Image Stabilization
  - 120 dB WDR, 3D DNR, HLC, BLC
  - Optical defog
  - 24 VAC & Hi-PoE
  - Up to 1920 × 1080 resolution
  - 1/2.8" Progressive Scan CMOS
  - Dual-sensor, 1/2.8" Progressive Scan CMOS
  - Up to 1920 × 1080 resolution
  - Min. illumination:
    - B/W: 0.0004 lux @ (F1.5, AGC ON)
    - Color: 0.004 lux @ (F1.5, AGC ON)
  - Optical defog
  - 24 VAC & Hi-PoE
  - Up to 500 m IR distance
  - 24 VAC & Hi-PoE
  - IP67
  - IK10 (without wiper)

### 4K

- **DS-2DF8836I5X-AEL(W)**
  - 8 MP 36x 500 m Laser Network PTZ Dome
  - 36x optical zoom, 16x digital zoom
  - 50x optical zoom, 16x digital zoom
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Optical defog
  - 24 VAC & Hi-PoE
  - Up to 200 m IR distance
  - 24 VAC & Hi-PoE
  - IP67
  - IK10 (without wiper)

- **DS-2DF8836IX-AEL(W)**
  - 8 MP 36x 200 m IR Network PTZ Dome
  - 36x optical zoom, 16x digital zoom
  - 25x optical zoom, 16x digital zoom
  - 50x optical zoom, 16x digital zoom
  - H.265+/H.265 video compression
  - Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
  - Optical defog
  - 24 VAC & Hi-PoE
  - Up to 800 m IR distance
  - 24 VAC & Hi-PoE
  - IP67
  - IK10 (without wiper)
PRODUCT SHOWCASE

4 MP DarkFighter

- 1/1.8" progressive scan CMOS
- Up to 2560 × 1440 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.5, AGC ON)
  - B/W: 0.0002 lux @ (F1.5, AGC ON)
- 36× optical zoom, 16× 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 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux @ (F1.5, AGC ON)
  - B/W: 0.0002 lux @ (F1.5, AGC ON)
- 25× optical zoom, 16× 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)
DF SERIES PTZ CAMERAS

**DS-2DF6225X-AEL**
2 MP 25x Network PTZ Dome

- 1/1.8” 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
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IP67, IK10

**DS-2DF7225X-AEL(W)**
2 MP 32x 200 m IR Network PTZ Dome

- 1/1.8” 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
- H.265+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IP66

**DS-2DF6225X-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+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10

**DS-2DF7225X-AEL(W)**
2 MP 32x 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+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10

**DS-2DF5225X-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
- 24 VAC & Hi-PoE
- H.265+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP66

**DS-2DF7225X-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)
- 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-2DF5232X-AEL**
2 MP 32x Network PTZ Dome

- 1/1.9” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux (F1.5, AGC ON)
  - B/W: 0.0002 lux (F1.5, AGC ON)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Optical Defog
- 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
- IK10, IP67

**DS-2DF5232X-AEL3**
2 MP 32x Indoor Network PTZ Dome

- 1/1.9” progressive scan CMOS
- Up to 1920 × 1080 resolution
- Min. Illumination:
  - Color: 0.002 lux (F1.5, AGC ON)
  - B/W: 0.0002 lux (F1.5, AGC ON)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC
- 24 VAC & Hi-PoE
- Optical defog
- H.265+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP66

**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+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP66

**DS-2DF5225X-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
- 24 VAC & Hi-PoE
- H.265+ video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10, IP66

**DS-2DF7225X-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)
- 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
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:
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A NEW GENERATION OF DF SERIES PTZ CAMERAS