GREAT INNOVATION
FROM DEEP INSIDE
A NEW GENERATION OF
DF SERIES PTZ CAMERAS
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DF SERIES PTZ CAMERAS

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 VCAs for practical applications

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

*Note: only for DS-2DF8225H-AEL(W) and DS-2DF8225I5H-AEL(W)*

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**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-2DF8225H-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

*Note: only for DS-2DF8250I5X-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?

<table>
<thead>
<tr>
<th>Cameras</th>
<th>H.264</th>
<th>H.265</th>
<th>H.265+</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td></td>
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<td></td>
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<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20+</td>
<td></td>
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</table>

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

<table>
<thead>
<tr>
<th>Storage</th>
<th>H.264</th>
<th>H.265</th>
<th>H.265+</th>
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<tbody>
<tr>
<td>0.5 month</td>
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<td></td>
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<tr>
<td>1 month</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2 months</td>
<td></td>
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</tr>
</tbody>
</table>
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-2DF8250I5X-AEL(W)**
  - 2 MP 25x 500 m Laser Network PTZ Dome
  - Dual-sensor, 1/2.8” Progressive Scan CMOS
  - Up to 1920 x 1080 resolution
  - IK10 (without wiper)
  - IP67
  - Min. illumination: B/W: 0.0001 lux @ (F1.5, AGC ON) Color: 0.005 lux @ (F1.8, AGC ON)
  - Up to 200 m IR distance
  - 24 VAC & Hi-PoE
  - Optical defog
  - Wiper, optional
  - IK10 (without wiper)

- **DS-2DF8250I8X-AEL(W)**
  - 2 MP 25x 800 m Laser Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 x 2160 resolution
  - IK10 (without wiper)
  - Optical Image Stabilization
  - 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

### Super Zoom

- **DS-2DF8225IX-AEL(W)**
  - 2 MP 25x 200 m IR Network PTZ Dome
  - Dual-sensor, 1/2.8” Progressive Scan CMOS
  - Up to 1920 x 1080 resolution
  - Min. illumination: B/W: 0.0001 lux @ (F1.5, AGC ON) Color: 0.0004 lux @ (F1.5, AGC ON)
  - Up to 500 m laser distance
  - 24 VAC & Hi-PoE
  - Optical defog
  - Wiper, optional
  - IK10 (without wiper)

- **DS-2DF8250IX-AEL(W)**
  - 2 MP 50x 500 m Laser Network PTZ Dome
  - 1/2.8” Progressive Scan CMOS
  - Up to 1920 x 1080 resolution
  - Min. illumination: B/W: 0.0004 lux @ (F1.5, AGC ON) Color: 0.001 lux @ (F1.8, AGC ON)
  - Up to 500 m laser distance
  - 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

### 4K

- **DS-2DF8836IX-AEL(W)**
  - 8 MP 36x 500 m Laser Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 x 2160 resolution
  - Min. illumination: B/W: 0.0005 lux @ (F1.5, AGC ON) Color: 0.005 lux @ (F1.5, AGC ON)
  - Up to 500 m laser distance
  - 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-2DF6A836X-AEL**
  - 8 MP 36x Network PTZ Dome
  - 2/3” progressive scan CMOS
  - Up to 4096 x 2160 resolution
  - 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
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)
- 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)

Network PTZ Dome

- 4 MP 36x 500 m Laser
- DS-2DF8436IX-AEL(W)

- 4 MP 36x 200 m IR
- DS-2DF8436IX-AEL(W)

2 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)
- 36× optical zoom, 16× digital zoom
- 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

Network PTZ Dome

- 4 MP 36x 500 m Laser
- DS-2DF8250I8X-AEL(W)

- 4 MP 25x 200 m IR
- DS-2DF8250I8X-AEL(W)

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)
- 36× optical zoom, 16× digital zoom
- 120 dB 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

Network PTZ Dome

- 2 MP 36x 500 m Laser
- DS-2DF8236IX-AEL(W)

- 2 MP 25x 200 m IR
- DS-2DF8236IX-AEL(W)

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)
- 36× 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
PRODUCT SHOWCASE

**DF SERIES PTZ CAMERAS**

**DS-2DF6A225X-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
- 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)
- 25× optical zoom, 16× digital zoom
- 120 dB WDR, 3D DNR, HLC, Smart IR
- 24 VAC & Hi-PoE
- 0 lux with IR
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- IP66

**DS-2DF7225X-AEL(W)**
2 MP 25x 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
- 0 lux with IR
- 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
- 1/1.8" 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
- 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-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
- Optical defog
- H.265+/H.265 video compression
- Rapid focus
- IP67, IK10

**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
- 24 VAC & Hi-PoE
- 0 lux with IR
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- Rapid focus
- 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
- Optical defog
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10

**DS-2DF5223X-AEL**
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)
- 32× 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
- IK10

**DS-2DF7223X-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
- 0 lux with IR
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP66

**DS-2DF7222X-AEL(W)**
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
- Optical defog
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10

**DS-2DF5222X-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+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IP66

**DS-2DF5222X-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
- Optical defog
- H.265+/H.265 video compression
- Deep-learning-based target classification algorithm for auto-tracking 2.0 and perimeter protection
- IK10
PRODUCT COOPERATION PROPOSAL

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 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.

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 following integration approaches based on the partner’s strengths:

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

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www.hikvision.com