

# NEW ULTRA SERIES DF8 PTZ

With Smart Pan-Tilt Correction



## Overview

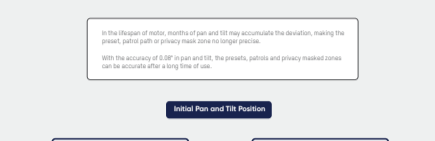
The DF8 series PTZ cameras are upgraded with **Smart Pan-Tilt Correction**, which allows the camera to return to previous direction when it suffers unexpected rotation and pans and tilts more accurately.

- 4K**  
4K Ultra HD  
Clearer image and more details even in darkness
- 60W PoE Power Supply**  
Supports 60W power supply from PoE switch without an injector
- Glass Heater**  
Prevents the lens from fogging and ensures a clear picture
- Up to 42x Zoom Ratio**  
Sees images that are further away clearly
- Auto Tracking**  
Based on human and vehicle classification
- Smart Pan-Tilt Correction**  
Protects the direction of PTZ and provides higher Pan-Tilt accuracy
- Better Night View**  
Super large 1/1.2" CMOS sensor provides excellent night view
- Gyroscope/Optical Image Stabilisation**  
Guarantees the stability and clarity of the image

### Smart Pan-Tilt Correction

#### 1. Auto Back: automatically recover lens direction

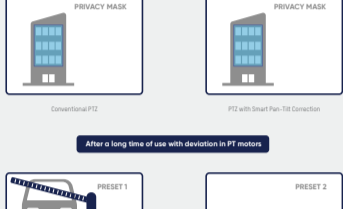
PTZ with Smart Pan-Tilt Correction can return to previous direction when it suffers unexpected rotation caused by violence or strong wind.



#### 2. Precise Pan and Tilt with accuracy up to 0.08°

In the lifespan of motor, months of pan and tilt may accumulate the deviation, making the preset, patrol path or privacy mask zone no longer precise. With the accuracy of 0.08° in pan and tilt, the presets, patrols and privacy masked zones can be accurate after a long time of use.

##### Initial Pan and Tilt Position

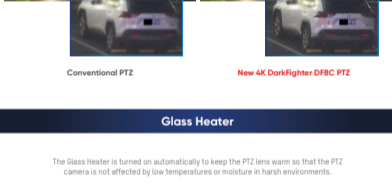


##### After a long time of use with deviation in PT motors



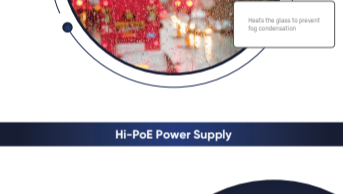
### 4K DarkFighter

At night, the new DF8C PTZ camera can see the licence plate 300 meters away.

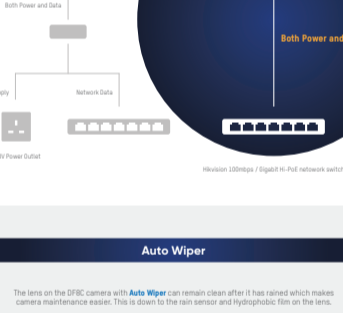


### Glass Heater

The Glass Heater is turned on automatically to keep the PTZ lens warm so that the PTZ camera is not affected by low temperatures or moisture in harsh environments.



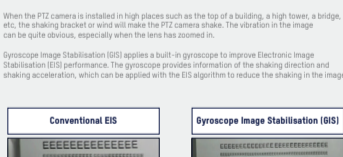
### Hi-PoE Power Supply



### Auto Wiper

The lens on the DF8C camera with **Auto Wiper** can remain clean after it has rained which makes camera maintenance easier. This is down to the rain sensor and Hydrophobic film on the lens.

- Rain Sensor**  
The rain sensor detects 4 levels of rain: No rain / Small rain / Medium rain / Heavy rain. The wiper is triggered automatically with proper frequency and wiping times according to the level of information from the rain sensor.
- Hydrophobic film on the lens**  
Hydrophobic film applies a Lotus Effect, which supports super hydrophobicity, self-cleaning and water can hardly stay on the surface of the lens.



\*Only -W models support auto wiper

### Gyroscope Image Stabilisation (GIS)

When the PTZ camera is installed in high places such as the top of a building, a high tower, a bridge, etc, the shaking bracket or wind will make the PTZ camera shake. The vibration in the image can be quite obvious, especially when the lens has zoomed in.

Gyroscope Image Stabilisation (GIS) applies a built-in gyroscope to improve Electronic Image Stabilisation (EIS) performance. The gyroscope provides information of the shaking direction and shaking acceleration, which can be applied with the EIS algorithm to reduce the shaking in the image.



### Optical Image Stabilisation (OIS)

Optical Image Stabilisation (OIS) detects the shake of the PTZ camera through the gyroscope, and then corrects the image by moving the **optical correction lens** to stabilise the image.



### PTZ with GIS Product Showcase

**DS-2DF8C842IX6-EL(W)**

- 4K 42x **DarkFighter**
- 1/1.2" sensor
- 400 m IR distance
- GIS
- Rapid focus
- Built-in glass heater
- Supports 802.3bt, 60 W PoE power supply
- W Rain-sensing auto control wiper
- 40°C to 70°C (-40°F to 158°F)

**DS-2DF8C442IX6-EL(W)**

- 4MP, 42x **DarkFighter**
- 1/1.8" sensor
- 400 m IR distance
- GIS
- Rapid focus
- Built-in glass heater
- Supports 802.3bt, 60 W PoE power supply
- W Rain-sensing auto control wiper
- 40°C to 70°C (-40°F to 158°F)

**DS-2DF8A442IX6-EL**

- 4MP, 42x **DarkFighter**
- 1/1.8" sensor
- 500 m IR distance
- GIS
- Rapid focus
- Built-in glass heater
- 24 VAC, Hi-PoE
- 40°C to 70°C (-40°F to 158°F)

**DS-2DF8A842IX6-EL**

- 4K 42x **DarkFighter**
- 1/1.2" sensor
- 500 m IR distance
- GIS
- Rapid focus
- Built-in glass heater
- 24 VAC, Hi-PoE
- 40°C to 70°C (-40°F to 158°F)

### PTZ with OIS Product Showcase

**DS-2DF8C260IX6-ELW**

- 4MP, 60x **DarkFighter**
- 1/1.2" sensor
- 500 m Laser IR distance
- GIS
- Rapid focus
- Built-in glass heater
- Supports 802.3bt, 60 W PoE power supply
- Rain-sensing auto control wiper
- 40°C to 70°C (-40°F to 158°F)

**DS-2DF8C480IX6-ELW**

- 4MP, 42x **DarkFighter**
- 1/1.2" sensor
- 500 m Laser IR distance
- GIS
- Rapid focus
- Built-in glass heater
- Supports 802.3bt, 60 W PoE power supply
- Rain-sensing auto control wiper
- 40°C to 70°C (-40°F to 158°F)