

# H7 Network PTZ Dome Camera Firmware

## Version: V5.5.40 Release Note

(2020-09-01)

### 1. Firmware Version Information

#### 1.1 Firmware Basic Information

H7 DF dome:

IPD\_H7\_EN\_XXX\_5.5.40\_200721.zip

H7 DY positioning system:

IPYT\_H7\_EN\_XXX\_5.5.40\_200721.zip

### 2. Related Resource Versions

#### 2.1 Built-in Resource Versions

- (1) SDK version: HCNetsDKV6.1.3.30\_build20191217
- (2) Play lib (PlayCtrl.dll): V7.3.8.44
- (3) iVMS 4200 client: V3.1.4.1 Build20200108
- (4) Plugin: V4.0.1 build 200108

#### 2.2 Protocol Versions

- (1) Onvif version: 1806SR1
- (2) ISAPI version: 2.4
- (3) Ehome version: V2.0, V4.0, ISUPV5.0
- (5) Hik-Connect version: V1.7

#### 2.3 Third-party Platform Software Versions

- (1) Milestone software version (Milestone Enterprise 8.1a(2016 R2 10.2a)), Milestone driver

version (Device Pack 9.6)

(2) Milestone software version (Milestone Corporate 2017 R3 11.3a), Milestone driver version (Device Pack 9.6)

(3) Exacqvision software

(4) Avigilon Control Center

(5) digifort

(6) Hik Central version: V1.4.0.6

## 2.4 Browser support:

IE8+

Firefox 30+

Chrome 41+

Safari 11+

## 3. Version Main Updates(Compared with V5.5.27)

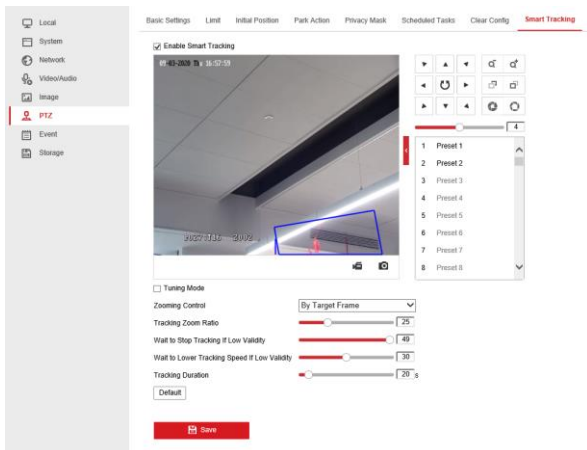
### 3.1 New Features

- **Support GIS with Gyroscope on below model:**

DS-2DF6225X-AELY(STD)(T3)
DS-2DF6225X-AEL(STD)(T3)
DS-2DF6A425X-AEL(STD)(T3)
DS-2DF6A225X-AEL(NEU)(T3)
DS-2DF6A225X-AEL(STD)(T3)
DS-2DF6A436X-AELY(STD)(T3)
DS-2DF6A436X-AEL(STD)(T3)
DS-2DF6A236X-AELY(STD)(T3)
DS-2DF6A236X-AEL(STD)(T3)
DS-2DF8A242IX-AEL(STD)(T3)
DS-2DF8A242IX-AELY(STD)(T3)
DS-2DF8250I8X-AELW(STD)(T3)
DS-2DF8242I5X-AELW(STD)(T3)
DS-2DF8242IX-AELY(STD)(T3)
DS-2DF8250I5X-AEL(STD)(DJ)(T3)
DS-2DF8425IX-AEL(STD)(T3)
DS-2DF8250I8X-AEL(STD)(T3)
DS-2DF8242IX-AELWY(STD)(T3)
DS-2DF8250I5X-AELW(STD)(DJ)(T3)

DS-2DF8436I5X-AELW(STD)(T3)
DS-2DF8225IX-AELW(STD)(T3)
DS-2DF8225IX-AEL(STD)(T3)
DS-2DF8242IX-AEL(STD)(T3)
DS-2DF8242IX-AELW(STD)(T3)
DS-2DF8425IX-AELW(STD)(T3)
DS-2DF8225IX-AEL(NEU)(T3)
DS-2DF8225IX-AELW(NEU)(T3)
DS-2DF8236IX-AELW(NEU)(T3)
DS-2DF8250I5X-AEL(NEU)(DJ)(T3)

- **Support unbind on Hik-connect.**
- **Import broke locking strategy for laser positioning system**
- **Add ICR working life protection strategy**
- **Add white light brightness constraint and IR brightness constraint for mixed light device**
- **Release advance parameters for smart tracking**



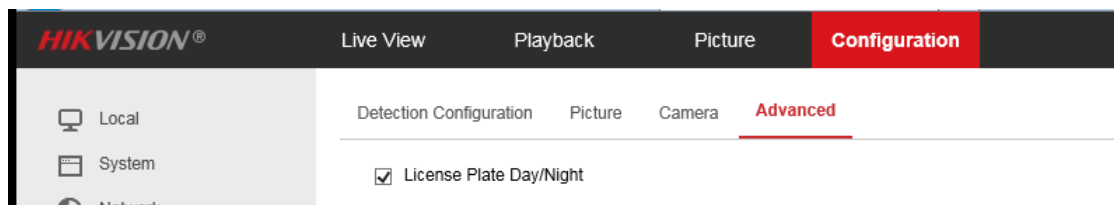
- **Add upgrade isolation for 7C**
- **Delete high frame rate on H7 platform**
- **Road Traffic support duplicated license plates filter: Add Remove Duplicated License Plates function, (Enabled by default); Add Time Interval configuration (1-5 min, 4min by default), recalculate time counting when device reboot or turn off this function.**

Remove Duplicated License Plates

Time Interval  minute(s)

- **Vehicle feature recognition:**

1. For the supported vehicle feature, only support recognition when vehicle is forward to camera, do not support when it is back;
  2. Support 11 kinds of colors including: Red, Yellow(Orange and Golden), Green, Cyan, Blue, Purple, Pink, Brown, White, Gray(Silver), Black;
  3. Support 7 kinds of vehicle: Coach, Truck, Car, Van, Buggy, SUV/MPV, Pickup;
- Support metadata protocol for third-party access.
  - Support License Plate Day/Night mode: Only work when Image Day/Night mode (Configuration-Image-Day/Night Switch) is Auto. It switch Day/Night mode according to the brightness of license plate.



- Road Traffic-Detection mode: support Vehicle Priority and License Plate & Vehicle: In License Plate & Vehicle mode, in low illuminate environment, the vehicle may not be recognized, this mode can recognize license plate directly and capture. If vehicle could be recognized, this mode is the same with the Vehicle Priority.
- Add upgrade package for DY9 positioning system.

## 3.2 Improved Features

- Update mixed-target detection algorithm
- Update auto-tracking algorithm
- Update perimeter algorithm

### 3.3 Remove Function

- Delete 2MP@60PFS high frame

## Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.

For any questions and request for this firmware, please contact our local technical support team.

#### Remarks:

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

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### Supported Product List (DFxxxxX (T3)Series)

Product Category	Model Number
PTZ Dome Camera	DS-2DF5225X-AE3(STD)(T3)

PTZ Dome Camera	DS-2DF5225X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF5232X-AE3(STD)(T3)
PTZ Dome Camera	DS-2DF5232X-AE3(NEU)(T3)
PTZ Dome Camera	DS-2DF5232X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF5232X-AEL(NEU)(T3)
PTZ Dome Camera	DS-2DF6225X-AELY(STD)(T3)
PTZ Dome Camera	DS-2DF6225X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF6A425X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF6A225X-AEL(NEU)(T3)
PTZ Dome Camera	DS-2DF6A225X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF6A436X-AELY(STD)(T3)
PTZ Dome Camera	DS-2DF6A436X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF6A236X-AELY(STD)(T3)
PTZ Dome Camera	DS-2DF6A236X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF7225IX-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF7225IX-AELW(STD)(T3)
PTZ Dome Camera	DS-2DF7232IX-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF7232IX-AELW(STD)(T3)
PTZ Dome Camera	DS-2DF7232IX-AELW(NEU)(T3)
PTZ Dome Camera	DS-2DF8A242IX-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF8A242IX-AELY(STD)(T3)
PTZ Dome Camera	DS-2DF8250I8X-AELW(STD)(T3)
PTZ Dome Camera	DS-2DF8242I5X-AELW(STD)(T3)
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PTZ Dome Camera	DS-2DF8425IX-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF8250I8X-AEL(STD)(T3)
PTZ Dome Camera	DS-2DF8242IX-AELWY(STD)(T3)
PTZ Dome Camera	DS-2DF8250I5X-AELW(STD)(DJ)(T3)
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PTZ Dome Camera	DS-2DF8425IX-AELW(STD)(T3)
PTZ Dome Camera	DS-2DF8225IX-AEL(NEU)(T3)
PTZ Dome Camera	DS-2DF8225IX-AELW(NEU)(T3)

PTZ Dome Camera

DS-2DF8250I5X-AEL(NEU)(DJ)(T3)

### Positioning system

DS-2DY9236X-A/T3(STD)

DS-2DY9236IX-A/T3(STD)

DS-2DY9236I8X-A/T3(STD)

*Note: Models in red font are newly released models.*