DS-2DF series Network PTZ Firmware
Revision: V5.1.4, build131219
Release note
(2014-01-02)

Firmware Basic Information	Firmware Revision:	V5.1.4 build131219
	SDK Revision:	V4.2.6.8
	Play Library (PlayCtrl.dll)	V6.5.1.6
	Encapsulation Library (SystemTransform.dll)	V2.3.0.5
	RTSP Communication Library (StreamTransClient.dll)	V1.1.2.8
	iVMS-4200 PCNVR	V1.03.03.04 build201301127
	Web Client version	V3.1.3.131203 Plugin:3.0.5.1
	Web Browser supported	IE7+, Safari 5+, Chrome18+, Firefox5.0+

Hikvision DS-2DF series Network PTZ Firmware V5.1.4 build 131219 Features

1. **New Features:**

   For all DS-2DF series PTZ models:

   1. Add the priority level selection towards PTZ control;

   2. Add the item of capture_mode;

   3. Telnet & ftp are closed as default. "setFtpStartftp" command is required for opening ftp, while telnet can be opened in plug-in;

   4. Zoom speed can be adjusted (plug-in);

   5. Add the item of audio input type switch and volume adjustment;

   6. Support environmental noise filtering;

7. Audio exception detection;

8. Shortest delay mode is added in "local configuration" of web and PCNVR;

9. Support audio encoding format of MP2L2;

10. Add the character of modifying NFS parameter without rebooting; add the function of CIFS storage;

11. Add Hikvision expanding function for ONVIF protocol: 3D positioning, pattern, privacy mask, acquisition and configuration of IO alarm status, OSD, tamper-proof;

12. QP value can be adjusted: It takes effect immediately for main stream under constant bitrate, while it is invalid for sub-stream and third stream. The configuration that has kept in database is still in effect after reboot.

*For DS-2DF7284, DS-2DF7274 series PTZ models:

1. Add "Defog, Digital WDR, HLC, Smart IR" functions.

*For DS-2DF5284, DS-2DF5274 series PTZ models:

1. Add "Defog, Digital WDR, HLC" functions.

2. Improved Features

1. No need to reboot for DDNS mode switch and wipe off the information of reboot returned from uniform interface. Reboot will not be prompted as configuring DDNS with plug-in;

2. Wipe off reboot requirement for 802.1X configuring in uniform interface;

3. Improved: Illegal SNMP can be set in client software and trap address cannot be filled as domain name;

4. Adopt ISAPI protocol for plug-in; plug-in and protocol have been changed;

5. Tamper-proof and privacy area are different under different signal system if added by protocol;

6. MTU configuring takes effect in time in network parameter configuring of uniform interface. No reboot requirement for modifying the value of MTU;

7. The device terminates automatically if no stop command is received in about 3min when conducting remote control of one action;

8. The alarm triggering record and node of log search are wiped off for XML of SDK software and hardware;

9. Improve accuracy of 3D positioning under digital zoom mode;

10. The preset site can be zoomed accurately after reboot under the mode of power-off memory.

3. Drawback Fixed

1. Fixed: When searching for large amount of log and the matched types are less than 2000, the plug-in will feed error of overtime back as the printing message is too much and searching process is slow;

2. Fixed: SD card formatting error after rapid plugging and unplugging;

3. Fixed: Private multicast viewing failure caused by information head sending failure;

4. Fixed: For edge recording function, the time of network collapse is not in accordance with the time searched by device;

5. Fixed: It takes Sony zoom model a long time of power off for resolution switching, during which the video error may occur for many times of video input switch;

6. Fixed: Other users fail to formatting HDD if playback is paused;

Compatibility Update

- ✧ **HIKCGI 2.0**
- ✧ **PSIA 1.1**
- ✧ **ONVIF 2.2(profile S) Official test version V13.06.**
- ✧ **NUUO:**

  Version: 4.1.12
  Drive version: 2.17
  Protocol: HIKCGI

- ✧ **Milestone**

  Version: Milestone Enterprise 8.1a, Milestone Corporate 6.0a；
  Drive Version: Driver 6.9
  Protocol: ONVIF

- ✧ **ExcaqVision**

  Version: 5.8.1
  Protocol: HIKCGI, ONVIF

Customer Impact and Recommended Action

This update refers to function improvement will take effect automatically after 01/03/2104. 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 defects or 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.

Supported Product List

Product Category	Model Number	Product Description
Smart MP IR PTZ	DS-2DF7286-A	2MP, 30X optical zoom, smart tracking, defog, 150m IR, 24 VAC
Smart MP IR PTZ	DS-2DF7286-AEL	2MP, 30X optical zoom, smart tracking, defog, 150m IR, High-PoE / 24 VAC
Smart MP IR PTZ	DS-2DF7284-A	2MP, 20X optical zoom, smart tracking, defog, 150m IR, 24 VAC
Smart MP IR PTZ	DS-2DF7284-AEL	2MP, 20X optical zoom, smart tracking, defog, 150m IR, High-PoE / 24 VAC
Smart MP IR PTZ	DS-2DF7276-A	1.3MP, 30X optical zoom, smart tracking, defog, 150m IR, 24 VAC
Smart MP IR PTZ	DS-2DF7276-AEL	1.3MP, 30X optical zoom, smart tracking, defog, 150m IR, High-PoE / 24 VAC
Smart MP IR PTZ	DS-2DF7274-A	1.3MP, 20X optical zoom, smart tracking, defog, 150m IR, 24 VAC
Smart MP IR PTZ	DS-2DF7274-AEL	1.3MP, 20X optical zoom, smart tracking, defog, 150m IR, High-PoE / 24 VAC
Smart MP 5" PTZ	DS-2DF5286-A	2MP, 30X optical zoom, smart tracking, defog, 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5286-A3	2MP, 30X optical zoom, smart tracking, defog, 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5286-AEL	2MP, 30X optical zoom, smart tracking, defog, High-PoE / 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5286-AE3	2MP, 30X optical zoom, smart tracking, defog, PoE+ / 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5284-A	2MP, 20X optical zoom, smart tracking, defog, 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5284-A3	2MP, 20X optical zoom, smart tracking, defog, 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5284-AEL	2MP, 20X optical zoom, smart tracking, defog, High-PoE / 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5284-AE3	2MP, 20X optical zoom, smart tracking, defog, PoE+ / 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5276-A	1.3MP, 30X optical zoom, smart tracking, defog, 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5276-A3	1.3MP, 30X optical zoom, smart tracking, defog, 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5276-AEL	1.3MP, 30X optical zoom, smart tracking, defog, High-PoE / 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5276-AE3	1.3MP, 30X optical zoom, smart tracking, defog, PoE+ / 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5274-A	1.3MP, 20X optical zoom, smart tracking, defog, 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5274-A3	1.3MP, 20X optical zoom, smart tracking, defog, 24 VAC, indoor
Smart MP 5" PTZ	DS-2DF5274-AEL	1.3MP, 20X optical zoom, smart tracking, defog, High-PoE / 24 VAC, outdoor
Smart MP 5" PTZ	DS-2DF5274-AE3	1.3MP, 20X optical zoom, smart tracking, defog, PoE+ / 24 VAC, indoor
WDR MP IR PTZ	DS-2DF7283-A	2MP, 20X optical zoom, WDR, 150m IR, 24 VAC
WDR MP IR PTZ	DS-2DF727A-A	1MP, 18X optical zoom, WDR, 150m IR, 24 VAC

WDR MP 5" PTZ	DS-2DF5283-A	2MP, 20X optical zoom, WDR, 24 VAC, outdoor
WDR MP 5" PTZ	DS-2DF5283-A3	2MP, 20X optical zoom, WDR, 24 VAC, indoor
WDR MP 5" PTZ	DS-2DF527A-A	1MP, 18X optical zoom, WDR, 24 VAC, outdoor
WDR MP 5" PTZ	DS-2DF527A-A3	1MP, 18X optical zoom, WDR, 24 VAC, indoor
Wiper PTZ	DS-2DF7286-AW	2MP, 30X optical zoom, smart tracking, defog, 150m IR, 24 VAC, wiper
Wiper PTZ	DS-2DF7284-AW	2MP, 20X optical zoom, smart tracking, defog, 150m IR, 24 VAC, wiper
Wiper PTZ	DS-2DF7246-AW	1.3MP, 30X optical zoom, smart tracking, defog, 150m IR, 24 VAC, wiper
Wiper PTZ	DS-2DF7274-AW	1.3MP, 20X optical zoom, smart tracking, defog, 150m IR, 24 VAC, wiper