HIKVISION
First Choice for Security Professionals

2nd generation of DeepinMind NVR V4.1.70 Build190814 Release Notes (2019-09-06)

Firmware Basic Information	Firmware Version:	V4.1.70build190814
	SDK Version:	V6.1.0.30build20190731
	Play Library (PlayCtrl.dll)	6.0.0.5/7.3.3.61
	Web version	V4.0.1 build 190812
	Client version	V2.6.18.104 build20190731

Reason of Upgrade

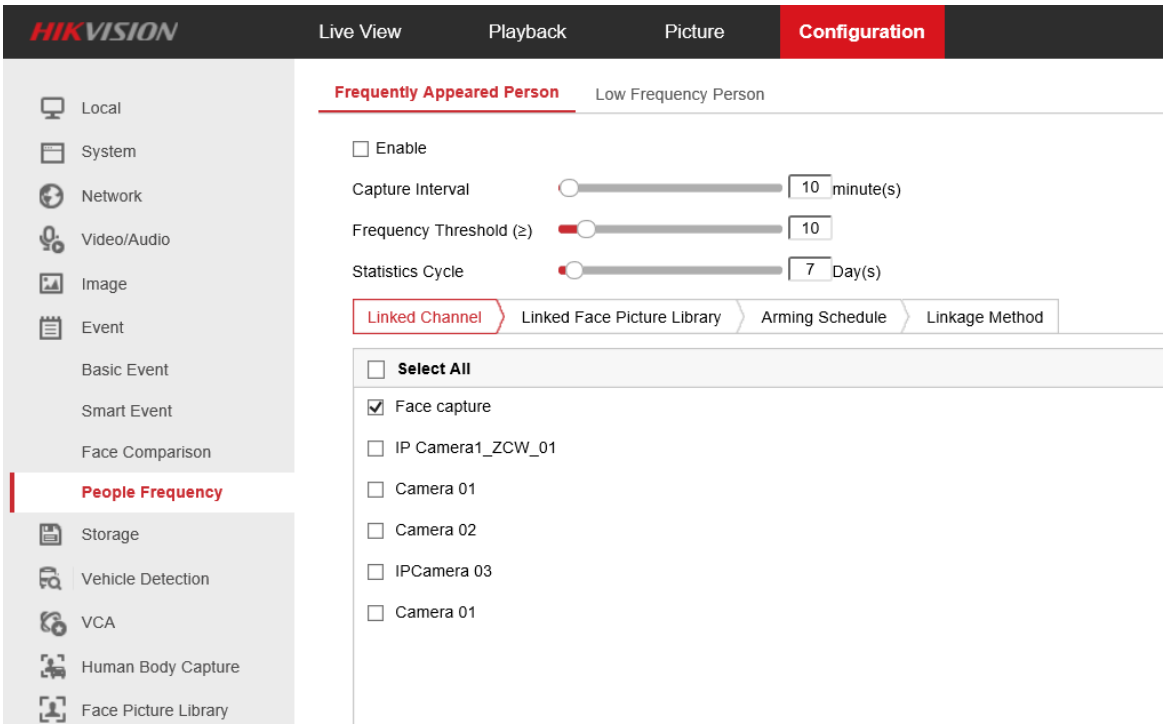
Add new features and optimize product performance.

New features

1. Optimize face detection and facial recognition algorithm.

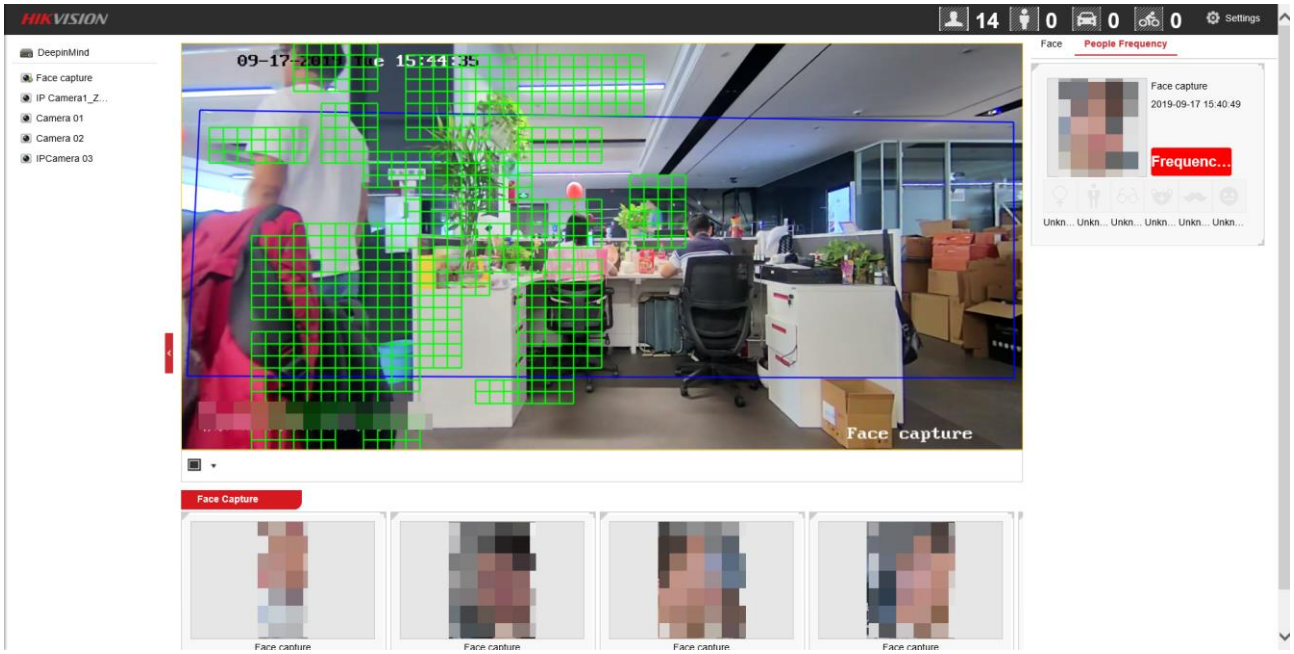
2. People Frequency - Frequently appeared person:

1) [WEB] Configuration: Can configure linked face picture library , arming schedule, linked method.

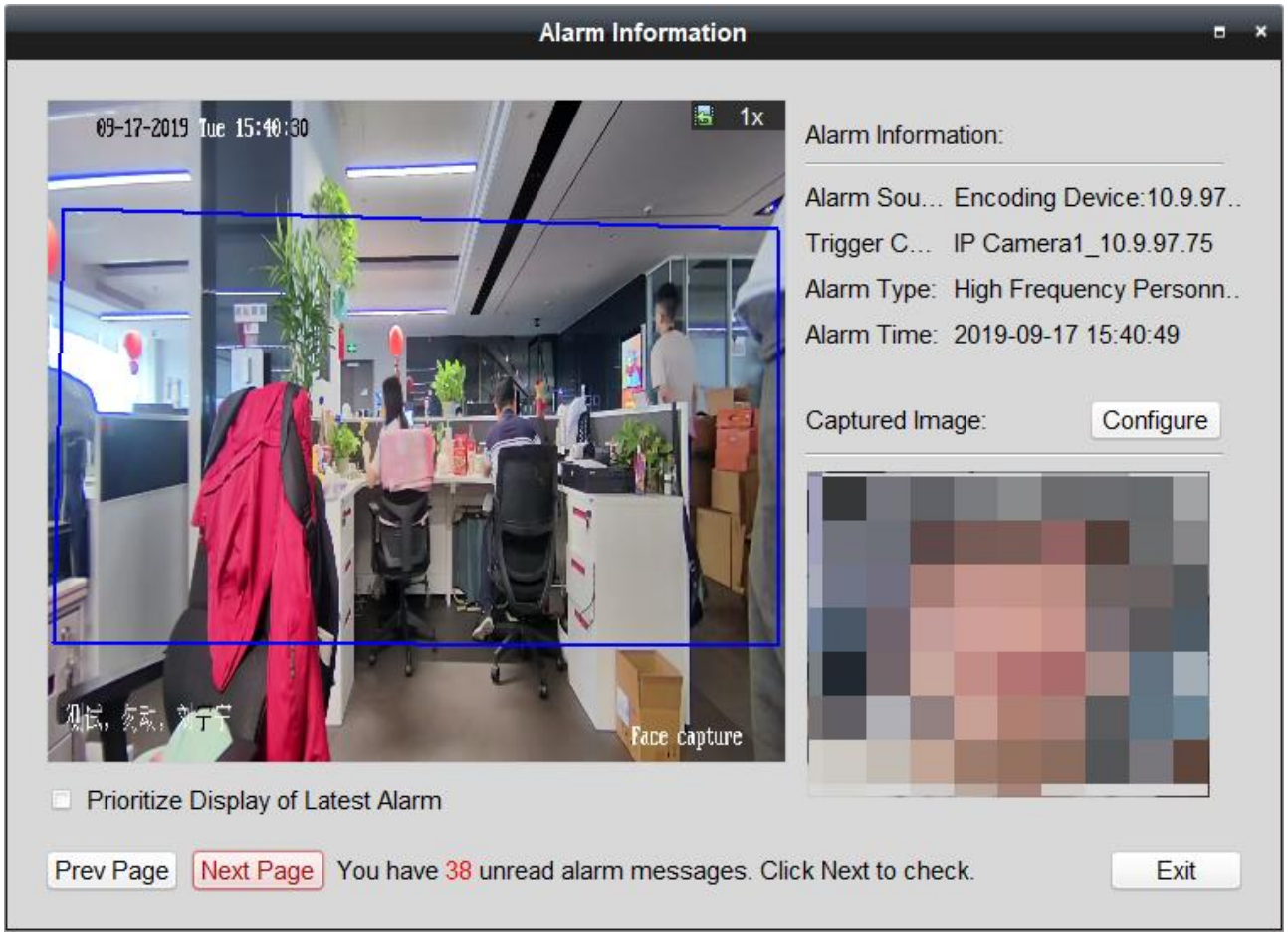


2) Support upload frequently appeared person alarm;

3)[WEB/GUI/4200] Support frequently appeared person alarm display;

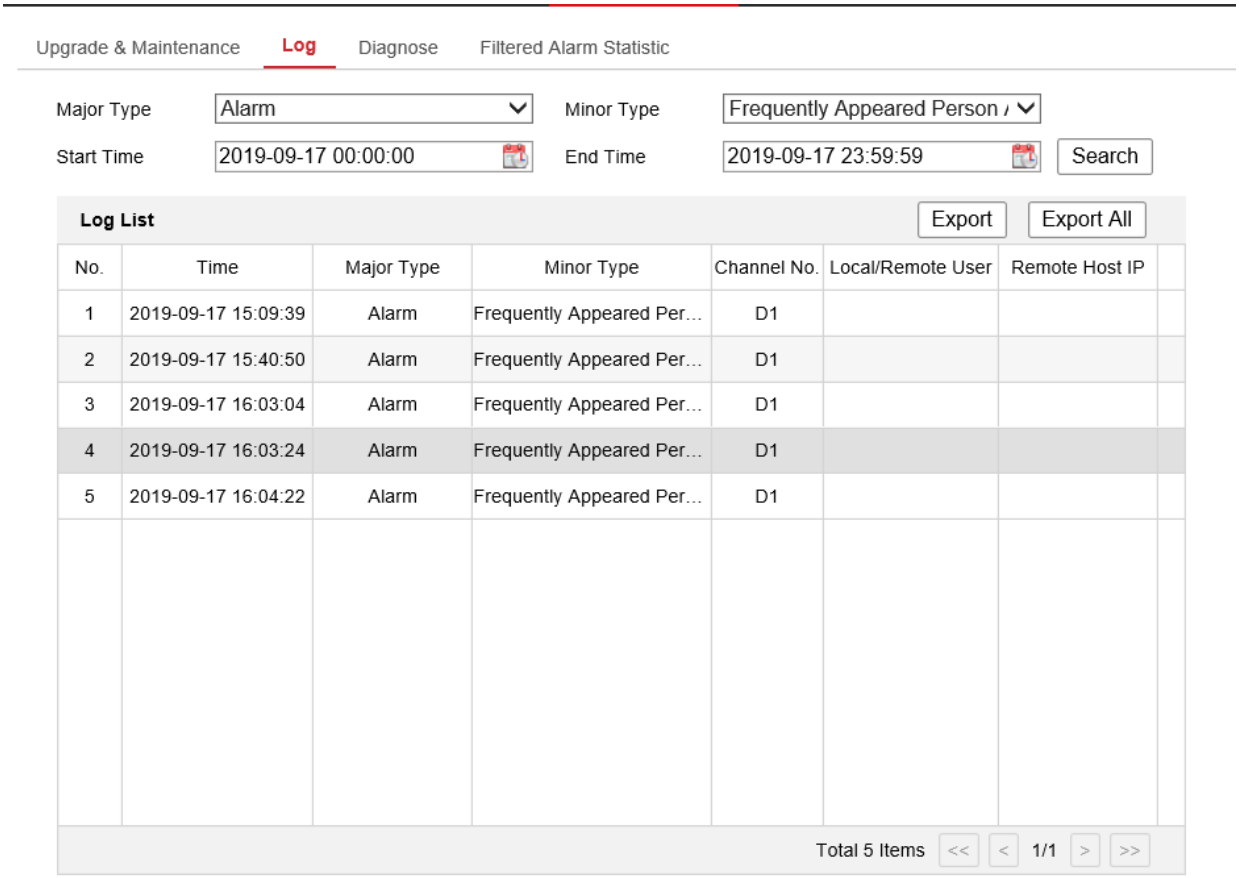


Web interface

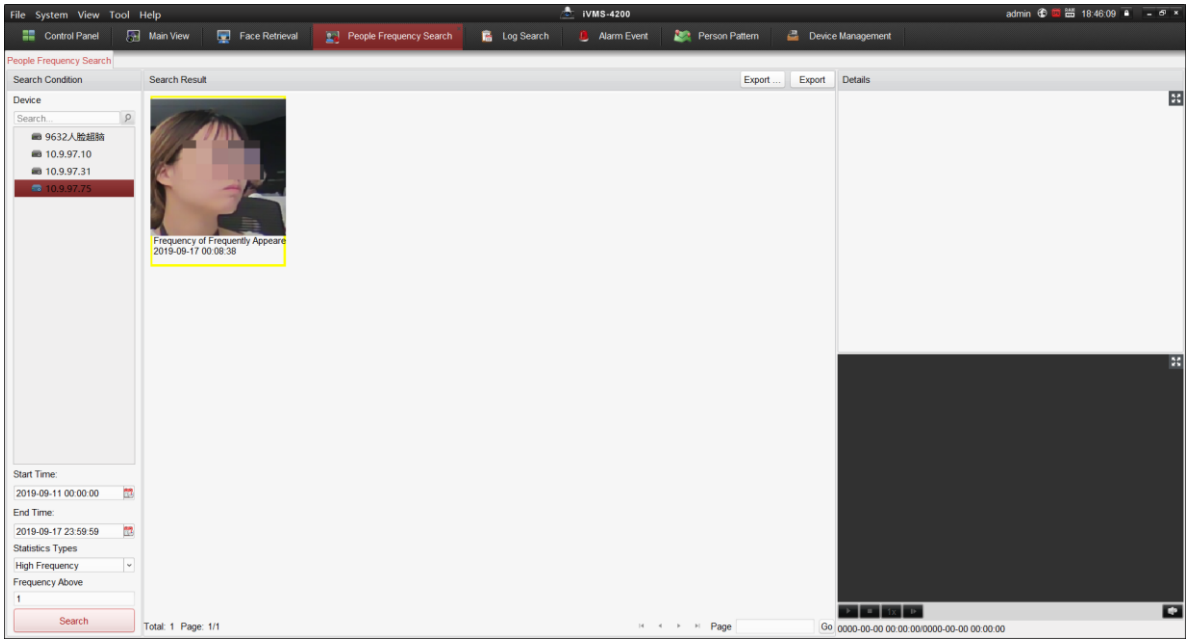


iVMS-4200 interface

4)[WEB/4200] Support to search frequently appeared person alarm log. Support to view the alarm detail on iVMS-4200.

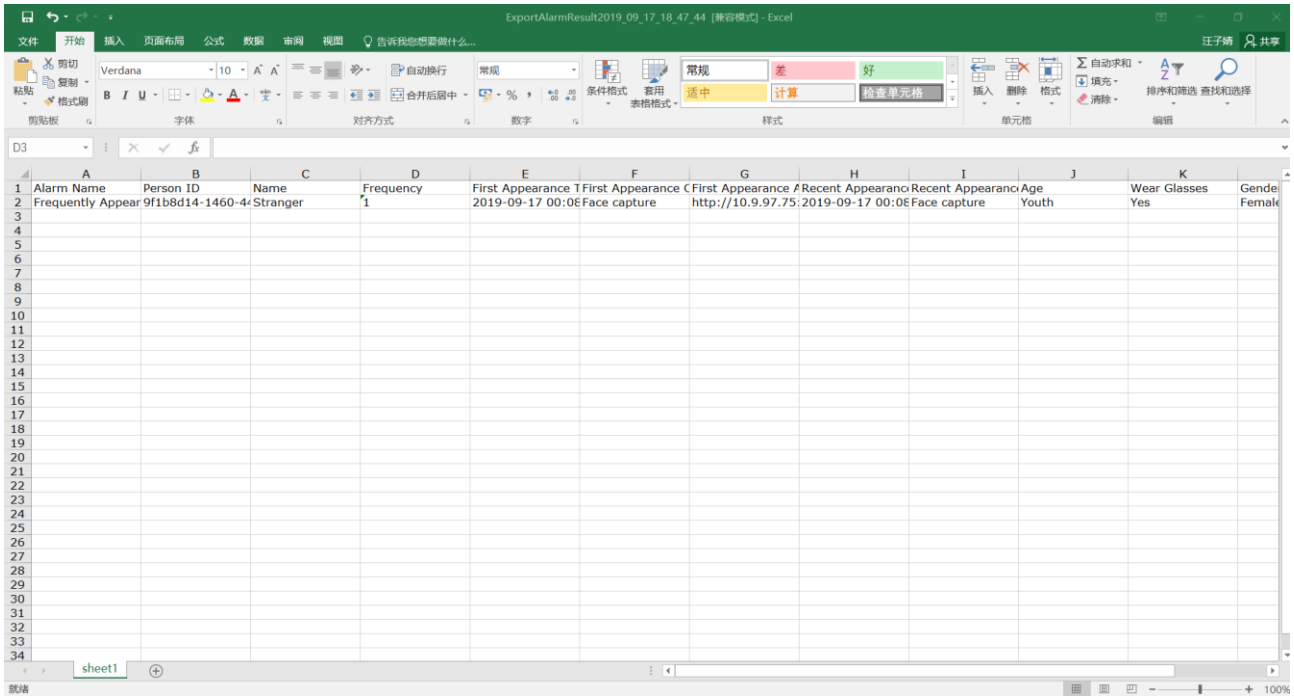


Web interface



iVMS-4200 interface

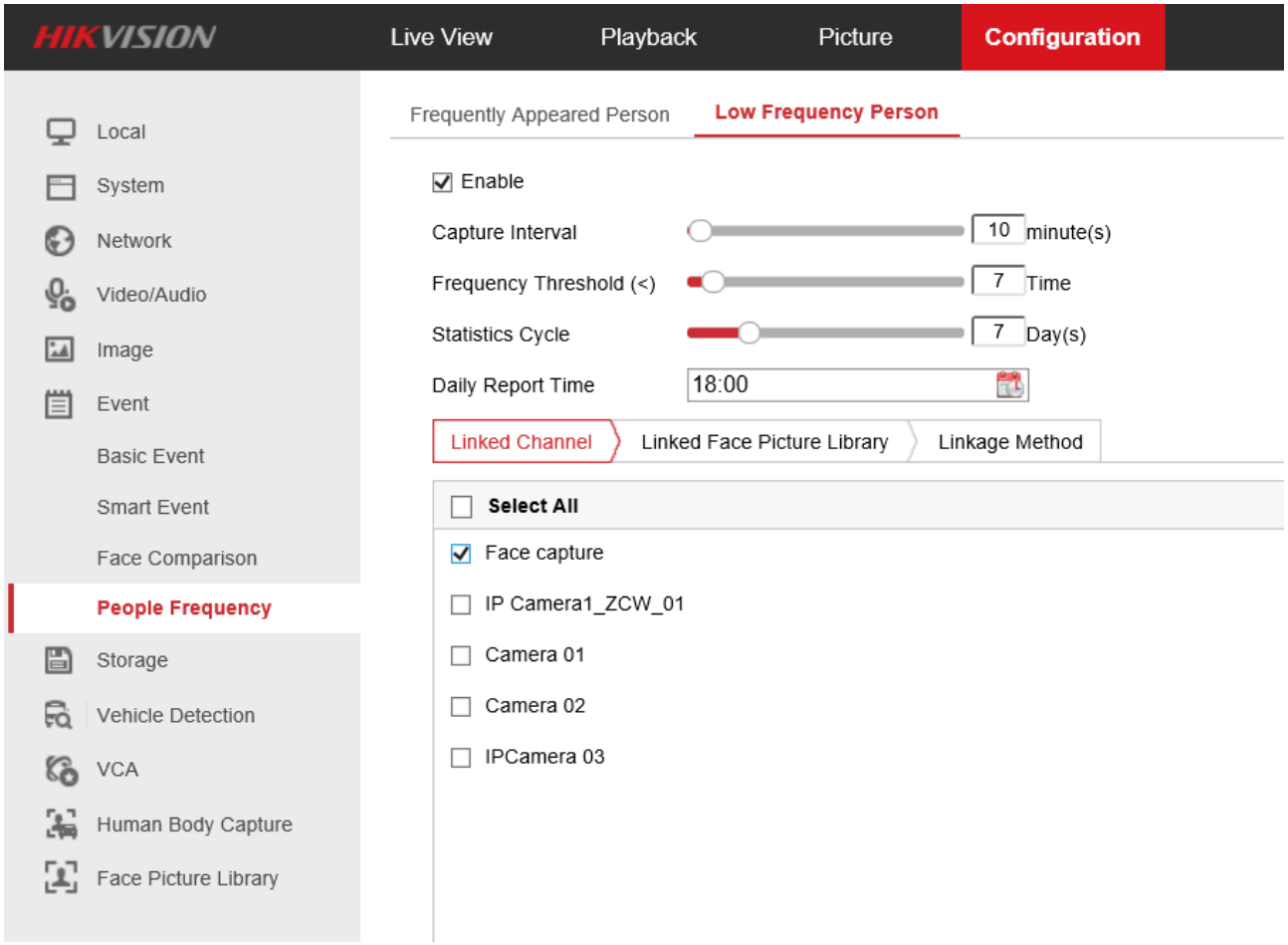
5)[4200] Support to export frequently appeared person alarm log.



Alarm Name	Person ID	Name	Frequency	First Appearance T	First Appearance C	First Appearance A	Recent Appearanc	Recent Appearanc	Age	Wear Glasses	Gende
Frequently Appear	9f1b8d14-1460-4	Stranger	1	2019-09-17 00:08	Face capture	http://10.9.97.75	2019-09-17 00:08	Face capture	Youth	Yes	Female

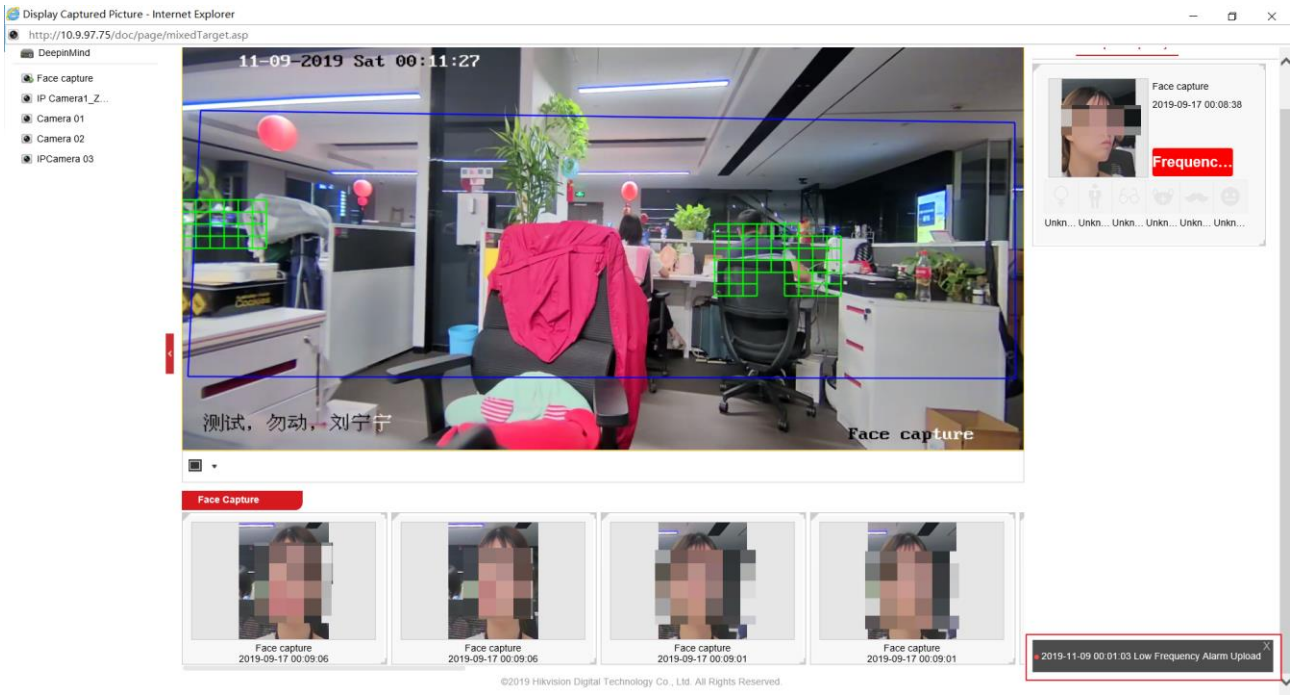
3. People Frequency – Low frequency person

1) [WEB] Configuration

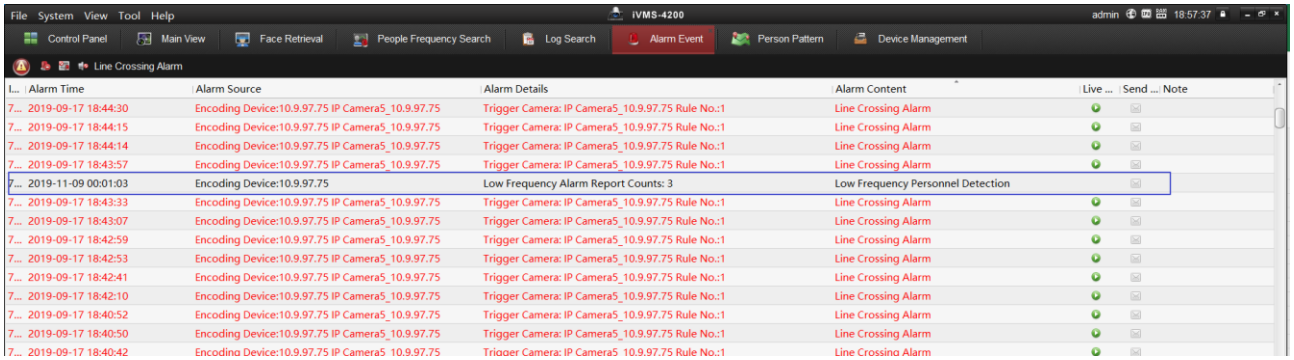


2) Support to upload low frequency person alarm (once a day).

3) [WEB/4200] Support low frequency person alarm display.

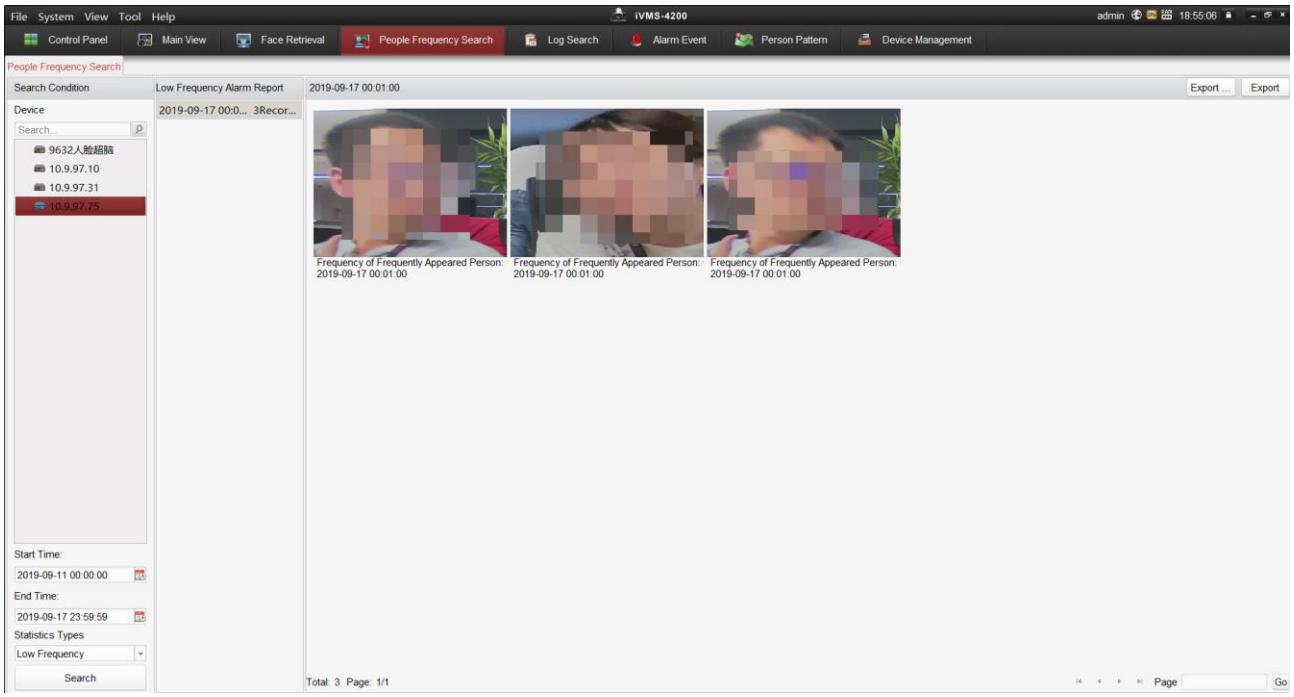


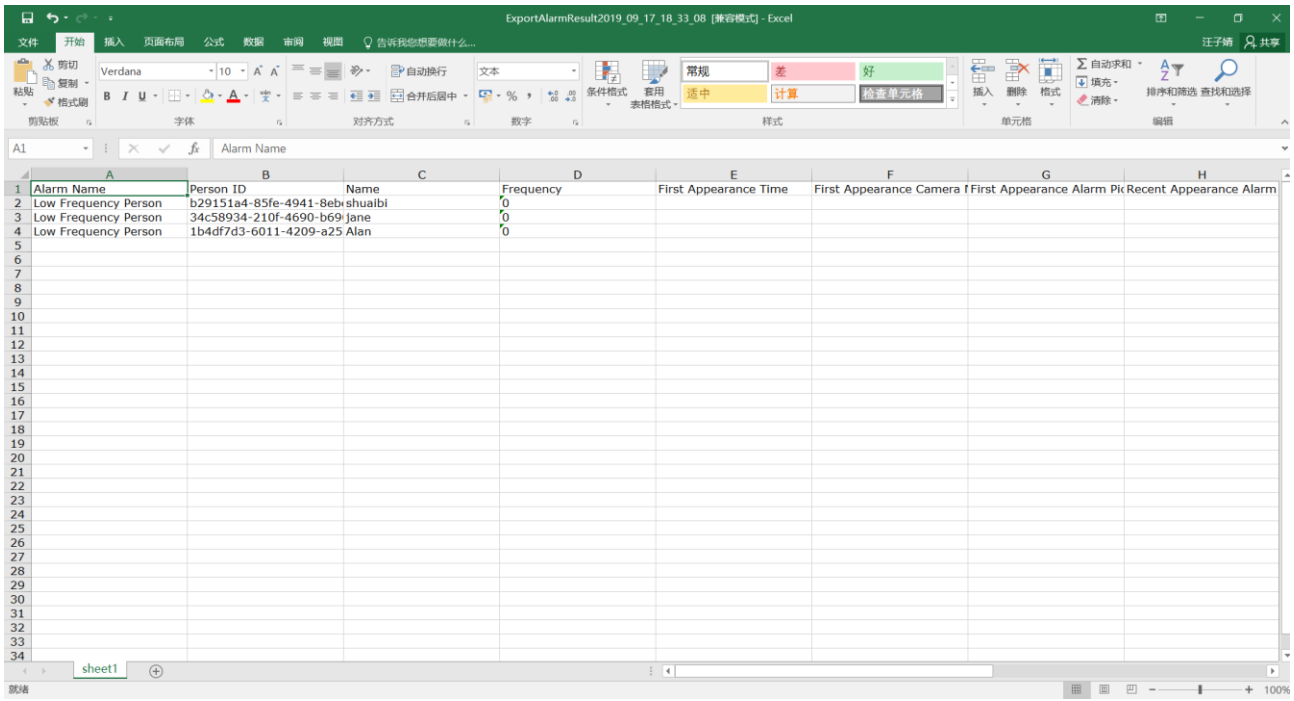
Web interface



iVMS-4200

4) [4200]Support to search low frequency person alarm report , view the detail and export record.



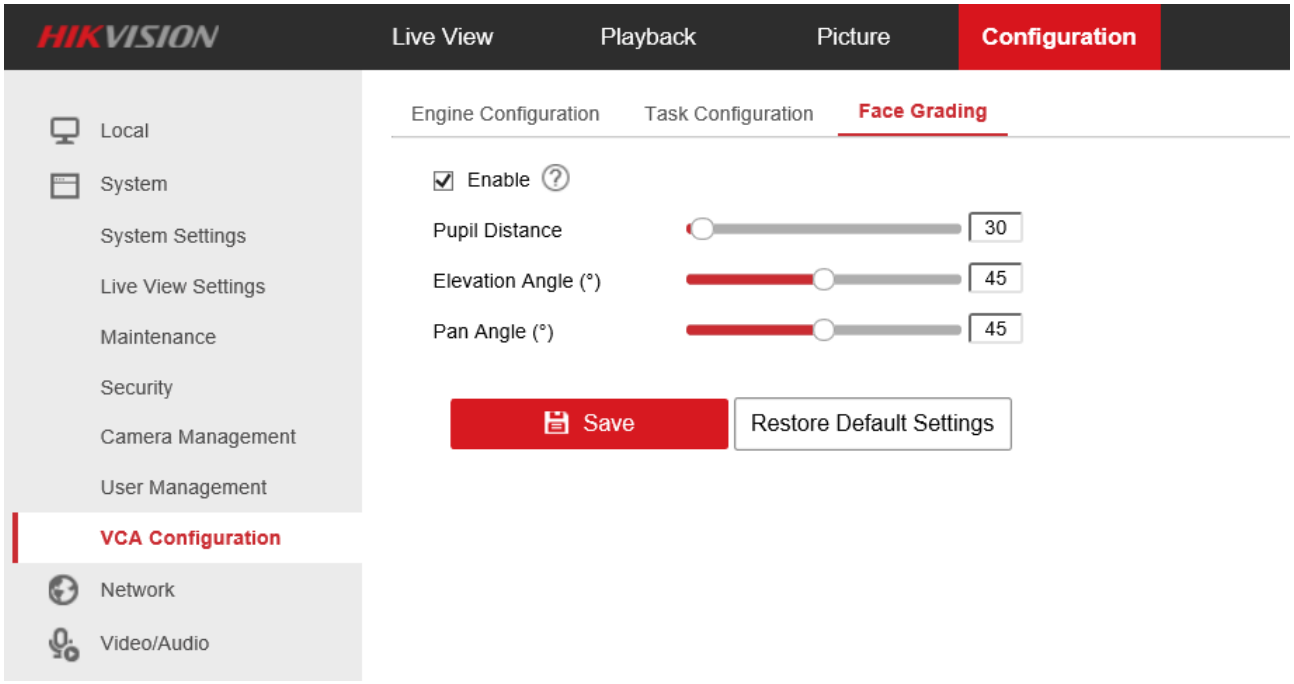


4. Face Grading

1) Support to enable face grading (enabled by default), configure pupil distance, elevation angle and pan angle.

2) Support to restore default settings.

3) People frequency and face comparison using the same face grading rule.



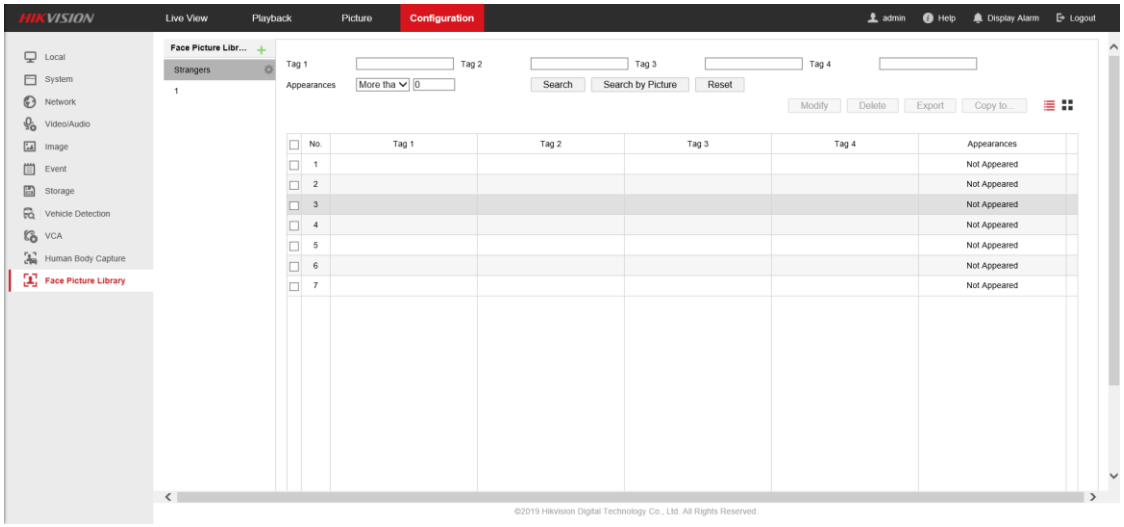
5. Stranger library management

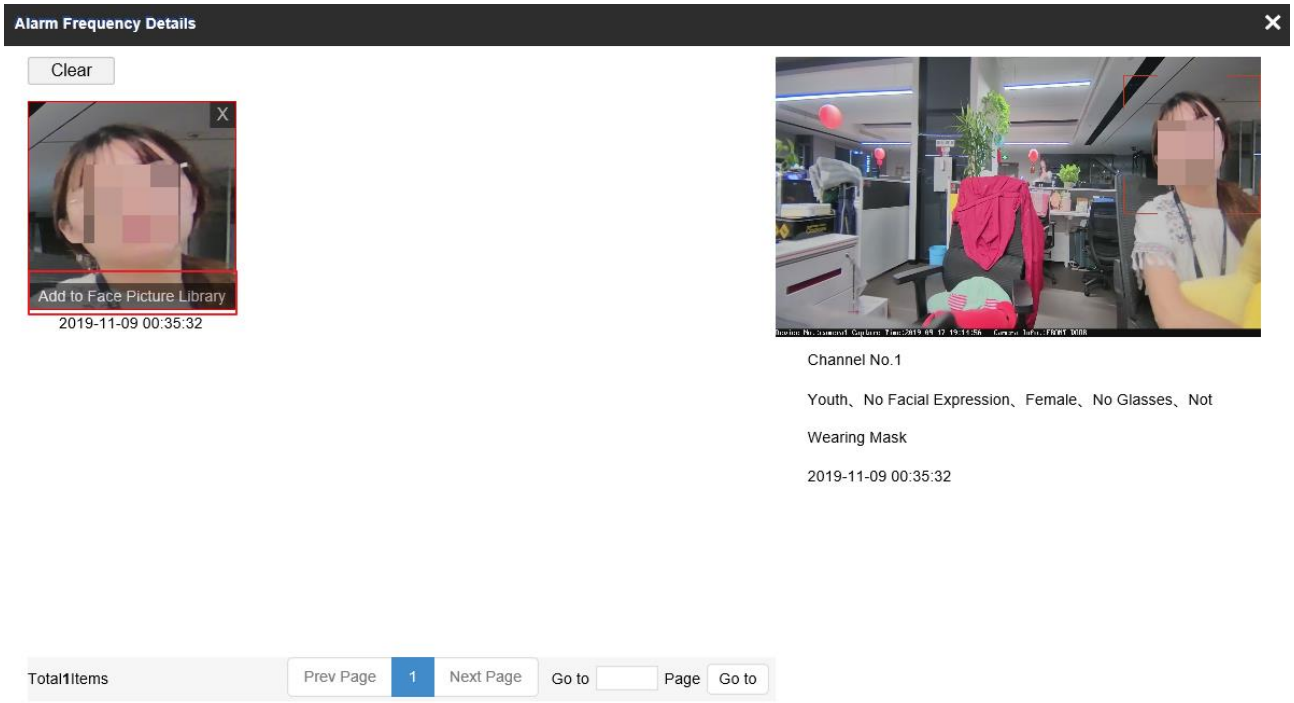
1) [GUI/WEB] Support edit and search tag;

2) [GUI/WEB] Support appearances display;

3) [GUI/WEB] Support delete people and appearance record;

4) [GUI/WEB] Support add stranger face picture to other face picture library.





6. Face picture library:

1) [GUI] Newly added display and search of modeling status;

2) [GUI/WEB] Support face picture display by list (100/p) or thumbnails (12/p) ;

7. Optimize face picture comparison alarm and stranger alarm;

1) When the face capture alarm is triggered, if the face comparison alarm or stranger alarm is enabled, it will trigger only one alarm of the three (successful face comparison succeed alarm, face comparison failed alarm and stranger alarm). Each result alarm has an independent linkage mode;

2) Priority: Face comparison succeed>Stranger alarm>Face comparison failed

8. Input and output bandwidth

1) Each hik protocol access channel will increase 512k fixed bandwidth for picture alarm;

2) The picture output bandwidth accounts for 10% of the network output bandwidth.

9. Optimize file management;

10. Optimize search by picture;

1) The lowest retrieval similarity is 50%;

2) Achieve asynchronous retrieval;

11. Optimize search by property;

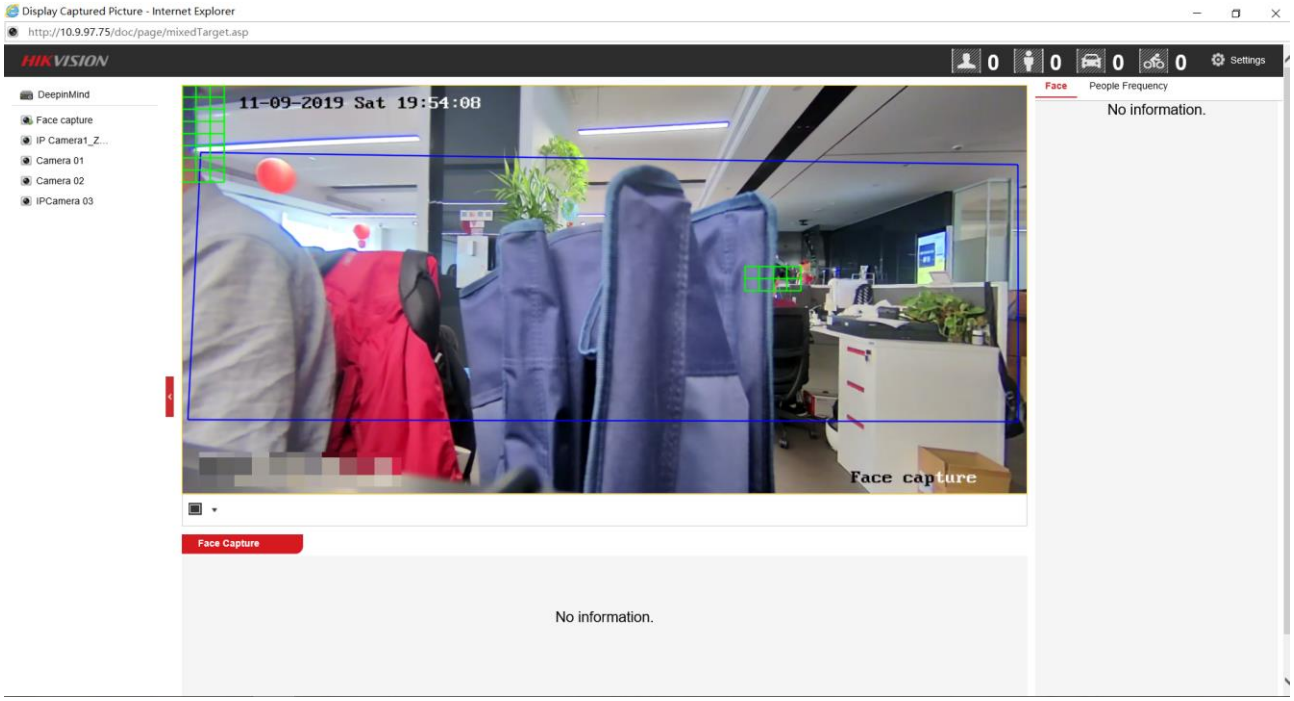
1) Search conditions remain unchanged;

2) Show the result of first channel by default;

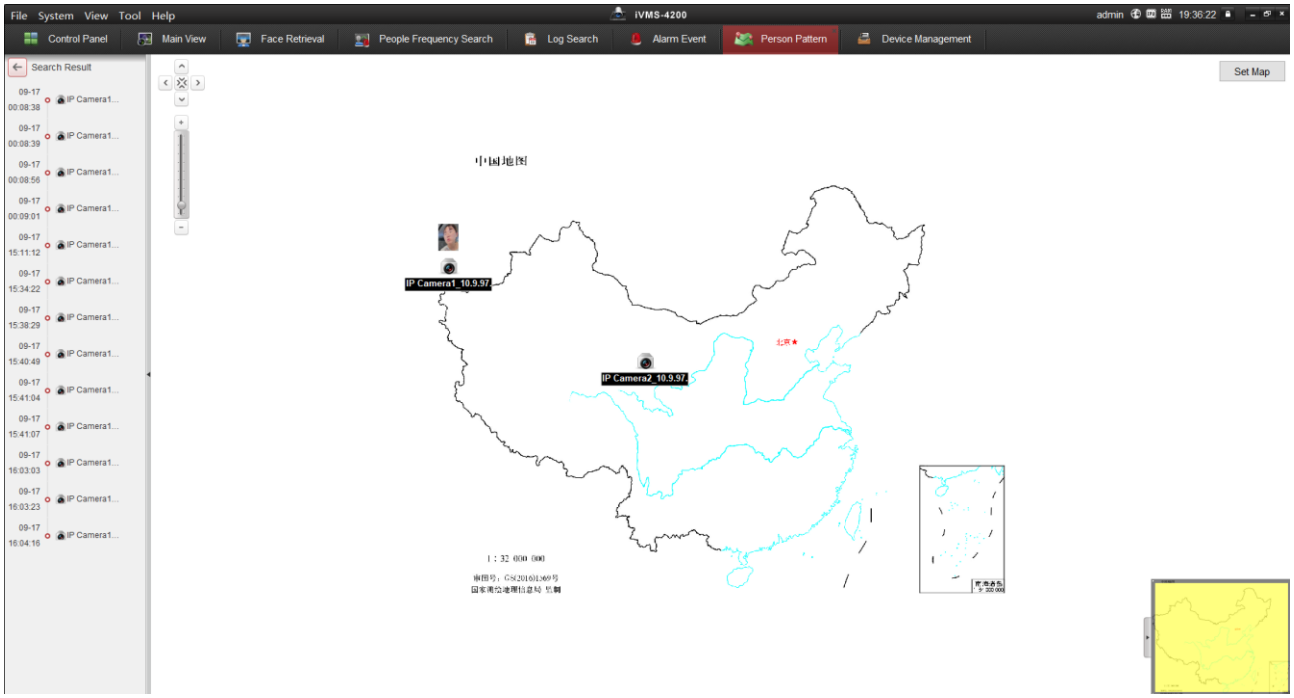
3) Show 12 results each page;

4) Supports switching channels, full selection, adding to face database, adding to sample database, and backup operation.

12. [WEB] Optimize alarm display;



13. [4200] Support person pattern;



Related product list:

2nd generation of DeepinMind NVR	iDS-9600NXI-I8/X(B) iDS-9600NXI-I16/X(B) iDS-9600NXI-I8/8F(B) iDS-9600NXI-I16/8F(B) iDS-9600NXI-I8/16S(B) iDS-9600NXI-I16/16S(B) iDS-7700NXI-I4/16S(B) iDS-7700NXI-I4/16P/16S(B) iDS-7700NXI-I4/X(B) iDS-7700NXI-I4/16P/X(B) iDS-6716NXI-I/16S(B) iDS-6708NXI-I/8F(B) iDS-96064NXI-I16(B) iDS-96128NXI-I16(B) iDS-96128NXI-I24(B)

Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after upgrading from previous versions. We'd like to inform you the above changes. Also, we are sorry for any possible inconvenience of use-habit changes caused by this action.

For questions or concerns, please contact our local technical support team.

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Hikvision Digital Technology CO., Ltd.
No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China
Tel: +86-571-8807-5998
FAX: +86-571-8993-5635
Email: support@hikvision.com