

63XX Fisheye Camera V5.3.5 Release Note

I . Software Version

1. Firmware Version: V5.3.5 build 151209

Encoding Version: V7.0 build 151207

2. Models Supportable:

[DS-2CD6332FWD-I\(V\)\(S\)\(1.19mm\);](#)

[DS-2CD6362F-I\(V\)\(S\)\(1.27mm\);](#)

[DS-2CD63C2F-I\(V\)\(S\)\(2mm\);](#)

II. Relevant Resource

1. Kernel version: U-Boot 2.0.8-70208 (Apr, 3rd 2014 - 14:08:24)

2. U-Boot Version: U-Boot 2.0.8-114186 (Feb, 2nd 2015 - 13:47:48)

3. SDK Version: V5.1.5.6

Play library (PlayCtrl.dll): [PlayCtrl_V7.3.0.41_Build20151125](#)

Encapsulation library (SystemTransform.dll): [2.5.0.9](#)

RTSP communication library (StreamTransClient.dll): [1.1.3.0](#)

Voice intercom library (AudioIntercom.dll): [2.02.09.08](#)

Smart configuration library: [V3.2.29.3](#)

Behavior analysis algorithm library: [V2.1.0](#)

Heat-map algorithm library: [V1.0](#)

4. Widget: [V3.0.5.53 build151208](#)

5. 4200 client: [V2.02.12.106 build151208](#)

6. NVR version accessing:

(1) Marvell E series: DS-96128N-E16 (V3.0.4_150616)

(2) Marvell F series: DS-96128N-F16 (V3.2.2 150725)

(3) Hisi3535 E series: DS-7732N-E4/16P (V3.4.0 build 150929)

(4) Hisi3535 G series: DS-7608N-G2/4P/GLT (V3.4.0 build 150929)

(5) Hisi3798 K1 series: DS-7816N-K1 (V3.3.3_150703)

- (6) Hisi3536 I8 series: DS-8664N-I8 (V3.3.6_150828)
- (7) DS-7632N-I2/16P (V3.3.6_150828)
- (8) Hisi 3520D\3521: DS-7608N-SHT (V3.0.17_150804)
- (9) Netra DVR: DS-9016HF-ST (V3.4.0 build 150929)
- (10) 8107 plat: DS-7616N-SE (V3.0.15_150528)
- (11) Hisi plat F series: DS-9664N-F8/I (V3.3.4_150715)
- (12) HISI3536 K series: V3.3.6 build150906

7. Standard protocol and third party plat version

- 1) Milestone software version (Milestone Enterprise 8.1a (8.6d), Milestone drive version (Device Pack 8.1)
- 2) Milestone software version (Milestone Corporate 7.0d), Milestone drive version (Device Pack 8.1)
- 3) Exacqvision software version (7.2.1.85489) Adopt ONVIF protocol accessing and increase the warning function of motion detection.
- 4) NUUO software version (V6.0.5), NUUO drive version (V4.4)
- 5) Avigilon Control Center 5.6.0.24
- 6) Genetec Omnicast 4.8 SR8
Security Center 5.2 SR7,
ONVIF official tool version 1506

III. Improvement

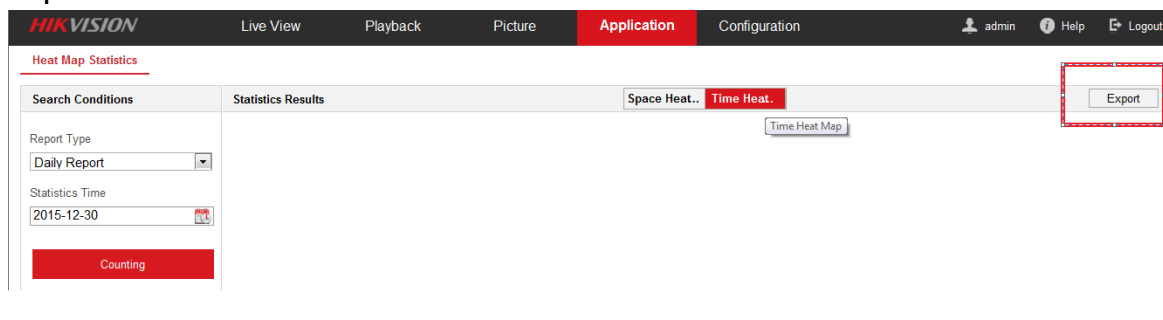
1. Newly Added

- 1) Modify the "Fisheye or 4PTZ" mode to two modes, namely "Fisheye" (Only supports one fisheye channel with main stream and sub stream) and "4PTZ" (Only 4 PTZ channels);

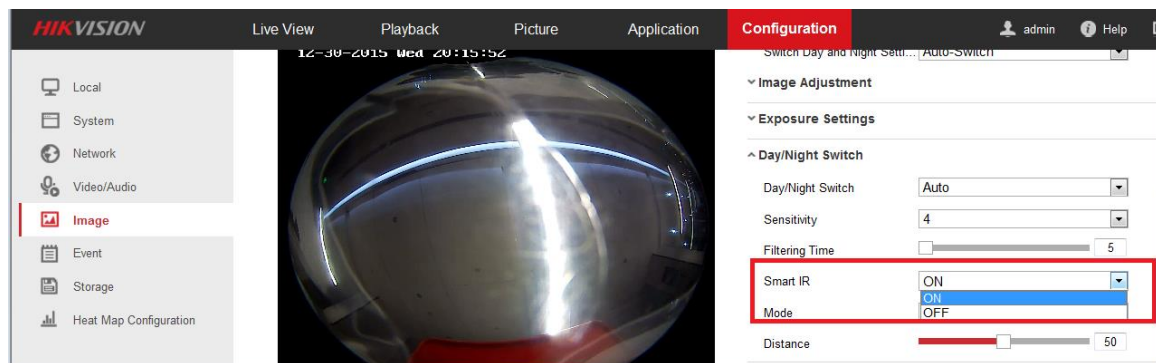


2) Fisheye camera supports hardware and software dewarpping simultaneously. The default mode in web component is software dewarpping. Three mount types (Ceiling, Wall, Table) can be chosen in the live view interface.

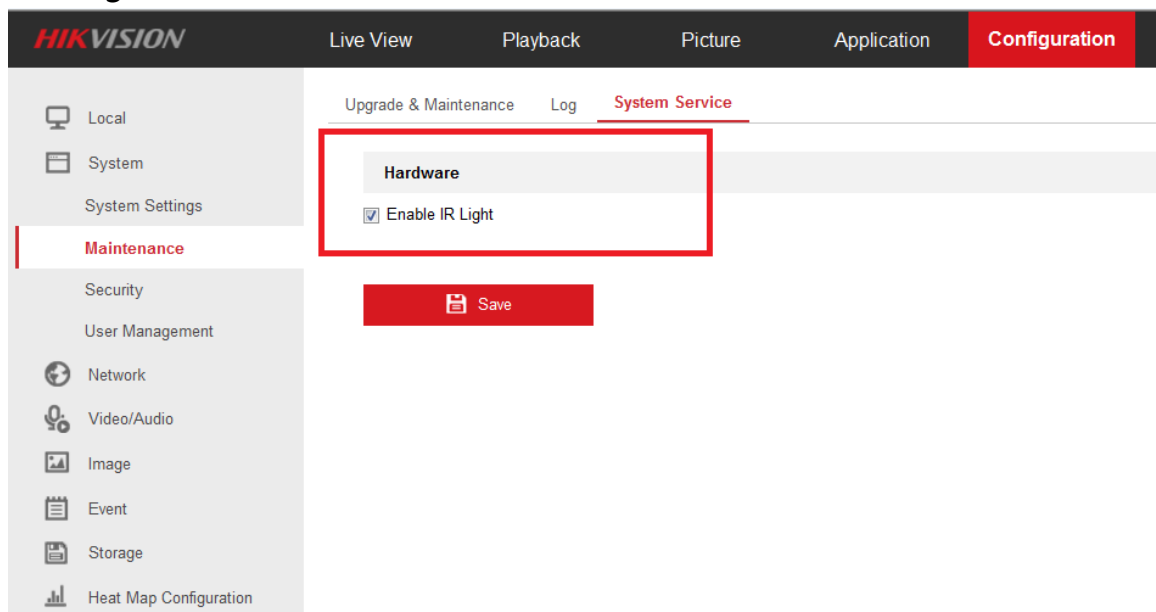
3) We can configure heat map of fisheye camera in web component and baseline iVMS-4200 software. The Heat-map data can be stored in Micro SD card or NAS, storage server, NVR, from which Excel file can be exported.



4) Smart IR function is newly added, which can prevent over-exposure.





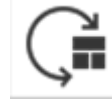


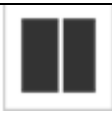

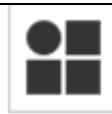



5) IR light can be enabled or disabled.



6) Multiple modes in software dewarpping: Different display modes and mount types are shown with different icons.

Mount Type	Ceiling	Table	Wall
	Fisheye		
	180° Panorama	Panorama	

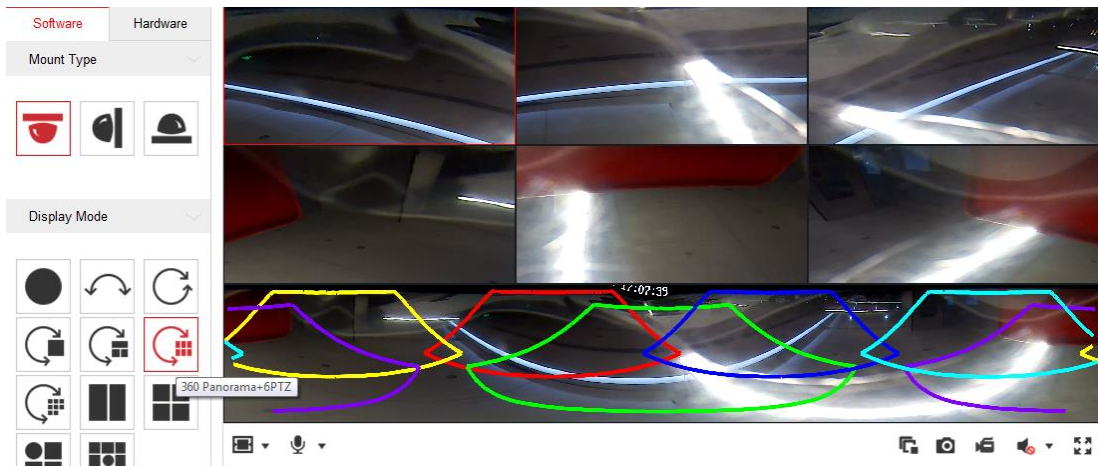
Display Mode	360° Panorama		Panorama+3PTZ 
	360° Panorama+PTZ		Panorama+8PTZ 
	360° Panorama+3PTZ		
	360° Panorama+6PTZ		
	360° Panorama+8PTZ		
	2PTZ 		
	4PTZ		
	Fisheye+3PTZ		
	Fisheye+8PTZ		

7) We can capture one picture for every single window when viewing the multi-screen in software dewarping.



2. Optimization

- 1) The icons of PTZ on the fisheye are shown as polygons with different colors, which are in corresponding with different PTZ channels.



- 2) Increase the resolution of PTZ in software and hardware dewarpping.
- 3) Optimize the UI interface. Adopt the format of graphical + suspended characters to clarify different mount types and display modes.

3. Note

- 1) When upgrading DS-2CD6332 and DS-2CD6362 from V5.0.9 to V5.3.5, it needs to be upgraded to an interim version first. Old version of DS-2CD63C2 can be directly upgraded to V5.3.5.
- 2) Switching from hardware dewarpping to software dewarpping is not supportable only when the current display mode does not contain fisheye channel (Shown as icons in red box).

