



Dahua Security Surveillance Solution

System Composition

ALARM HOST



CLIENT



PC



NKB3000



Mobile

TV WALL



DVI/VGA



M70

IVS



ACCESS CONTROL



VIDEO



IP camera



NVR

STORAGE



EVS



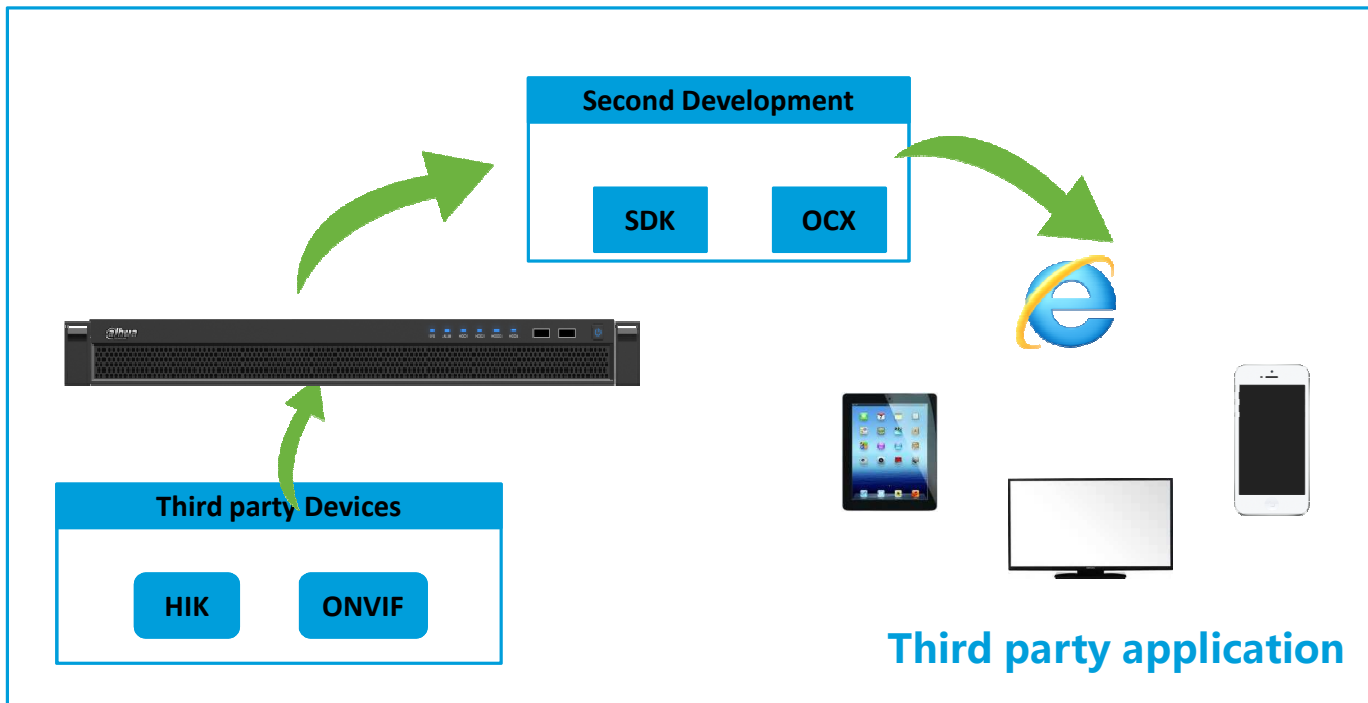
System Composition



<http://www.dahuasecurity.com>

Open Third party

- Open platform SDK, Support partners to develop their own business and Applications. Support windows, IOS, android platform.
- Support ONVIF devices, third party equipment (HIK).

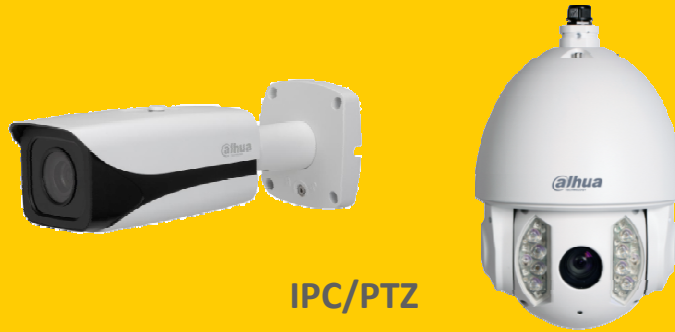


Main Function

- Get Organization
- Live View: snapshot, local record, PTZ
- Playback: search, play, download
- Alarm: search, open/close alarm
- Audio talk
- TV Wall: get TV Wall case and info, operator the TV Wall



Fisheye



IPC/PTZ



NVR



IVS

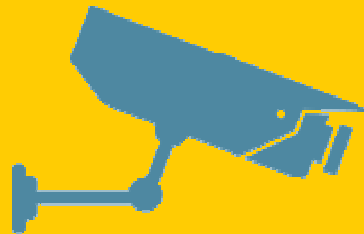
Device Management



Alarm Host



Controller & Keyboard

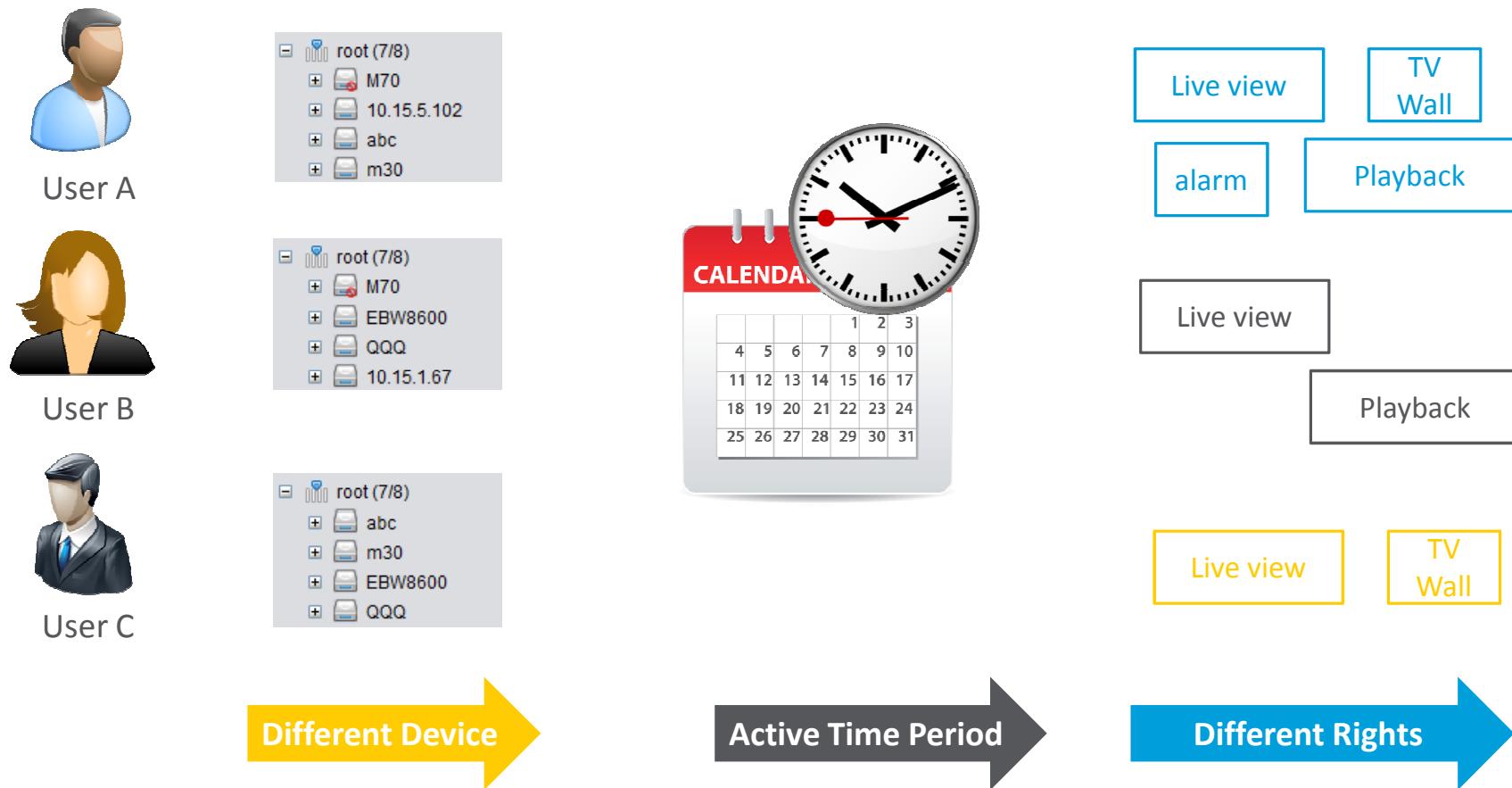


Third-party devices(ONVIF, HIK)

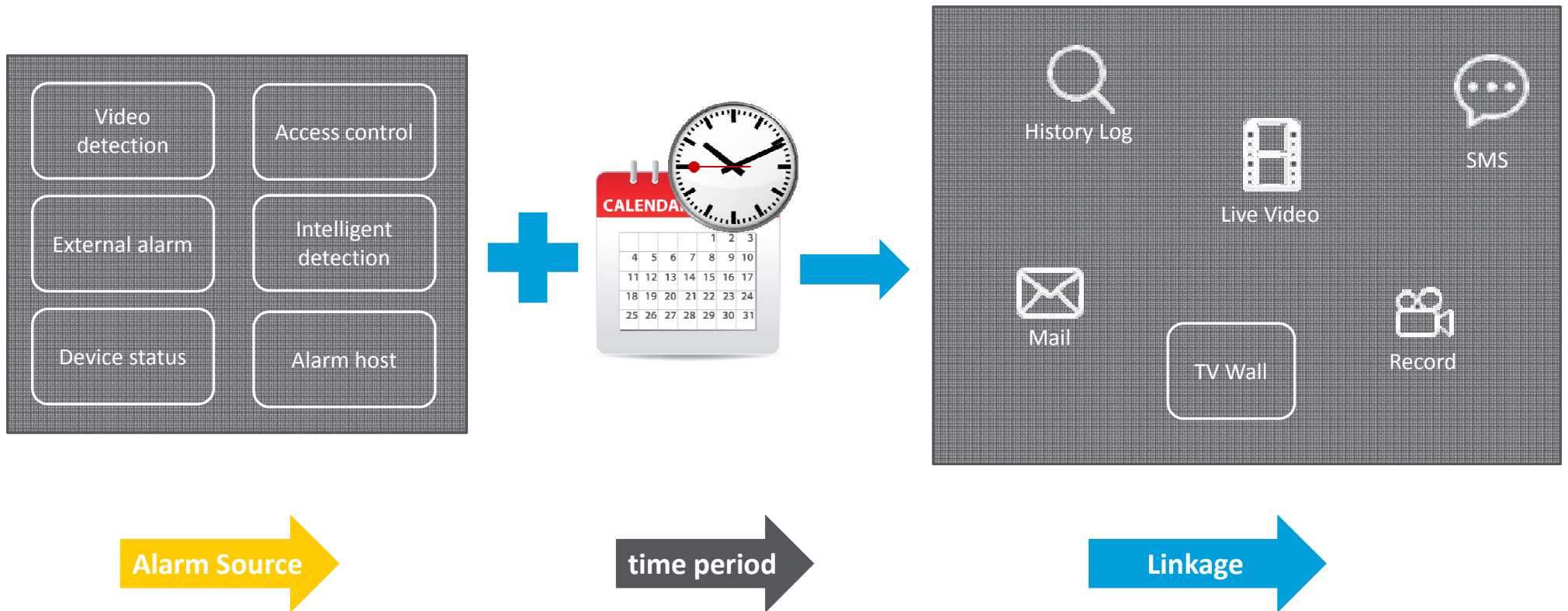


Access Control

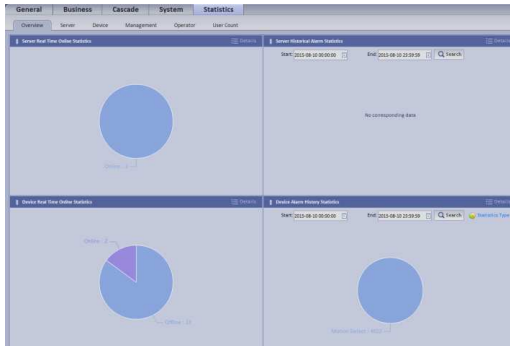
Authority Management



Alarm Management

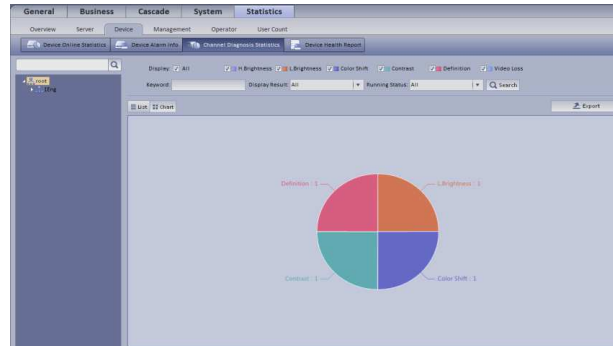


Statistics



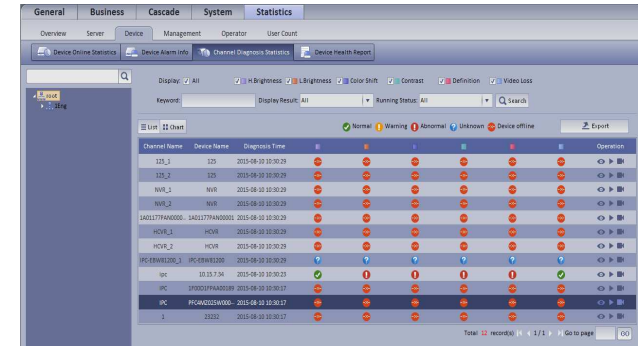
Servers information

- online status
- alarm status(high temperature, server status change)



Device information

- online status
- alarm status(all device and channel alarm)



video quality diagnosis

- High Brightness\Low Brightness\
Colorshift\Contrast\Definition\Video Loss



- Manager can find server or device abnormal and solve it on time.

Client



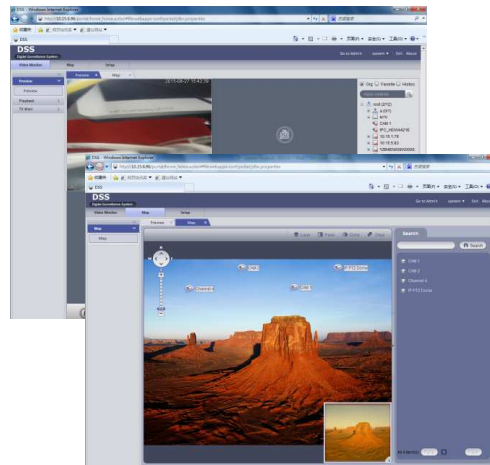
DSSClient



Web Client



Mobile Client
(IOS, Android)



<http://www.dahuasecurity.com>

Basic Video Surveillance

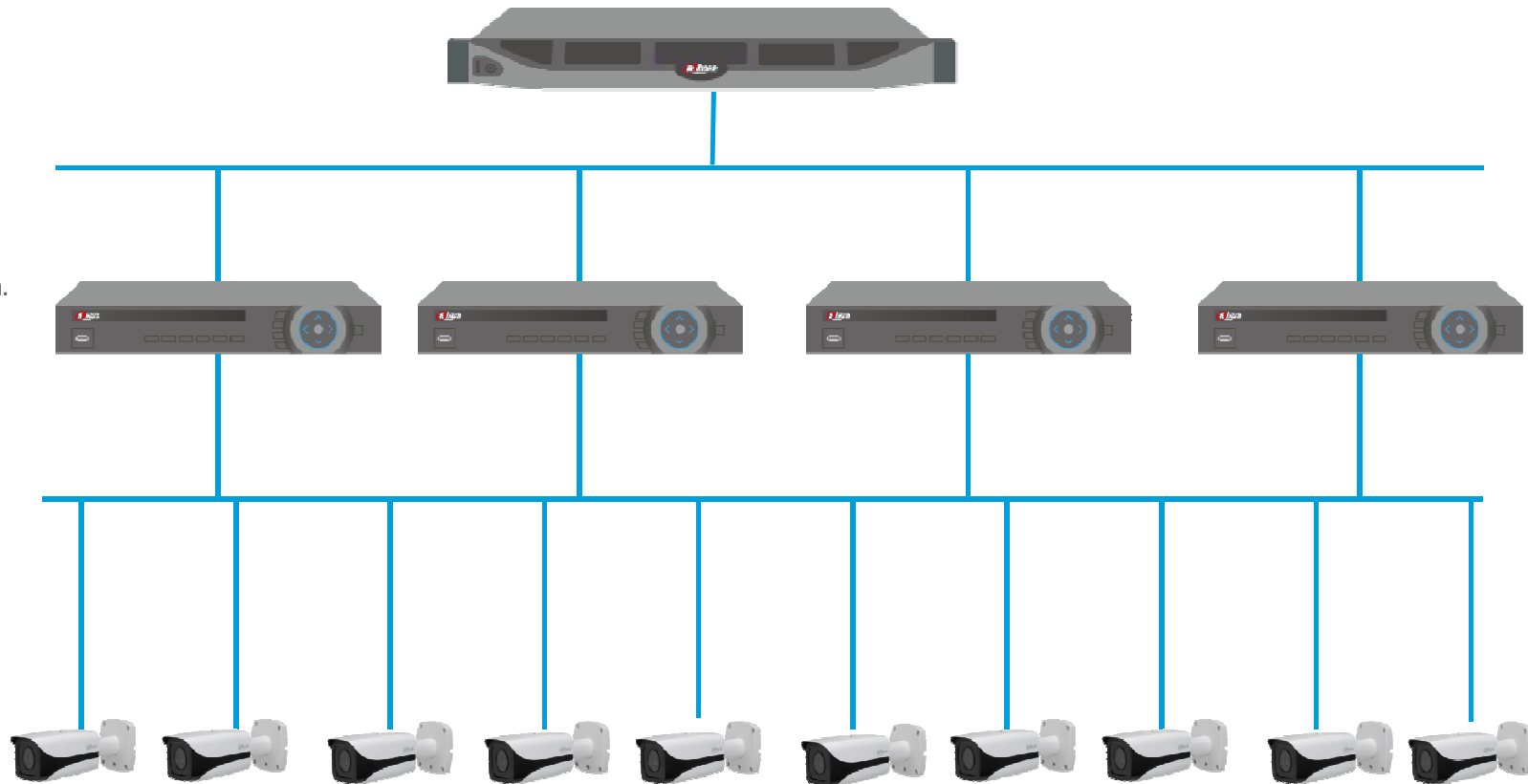


<http://www.dahuasecurity.com>

NVR Storage | Easily

DSS

- Suitable for medium, small system.
- Easy installation and extension.
- independent storage.



<http://www.dahuasecurity.com>

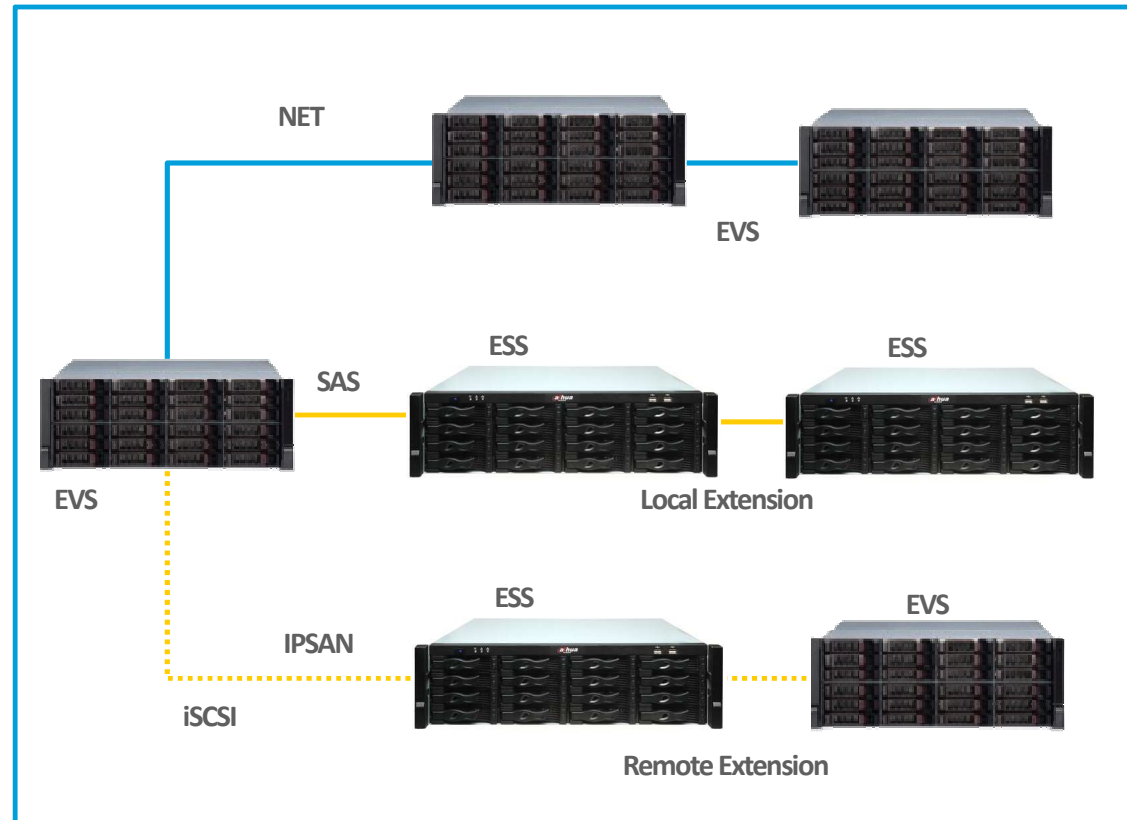
EVS Storage

- Easy to extend storage capacity by adding more EVS. and unity manage these EVS through DSS.
- Local extension(**JBOD**): Connect to ESS extension storage, Stability and support large capacity.
- Remote extension: Connect to ESS or EVS or NAS storage by iSCSI protocol, use IPSAN to release storage extension

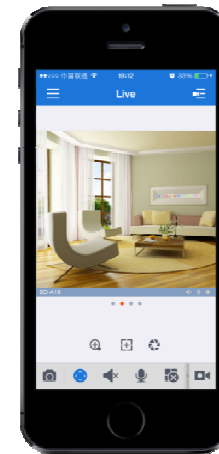


ADVISE

In real installation, you can combine way one with JBOD way together, support larger capacity , high reliability, high price ratio.

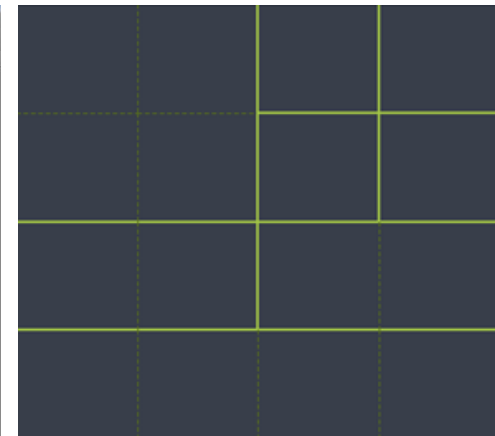


Preview



- Real Time Monitor, Manual Record, manual Snapshot
- If device type is PTZ, then you can click on PTZ tab in the interface to set PTZ
- You can set tour task to achieve tour over several windows.
- Add channel to Favorite which you will monitor usually, so it can be open more easier when you need.

Customized Layout



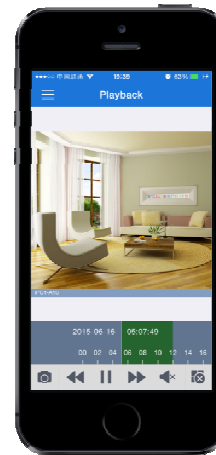
- Customize any layouts you want, support up to 64 windows.
- show videos with different aspect ratios: 4:3, 16:9, panorama.

Fisheye



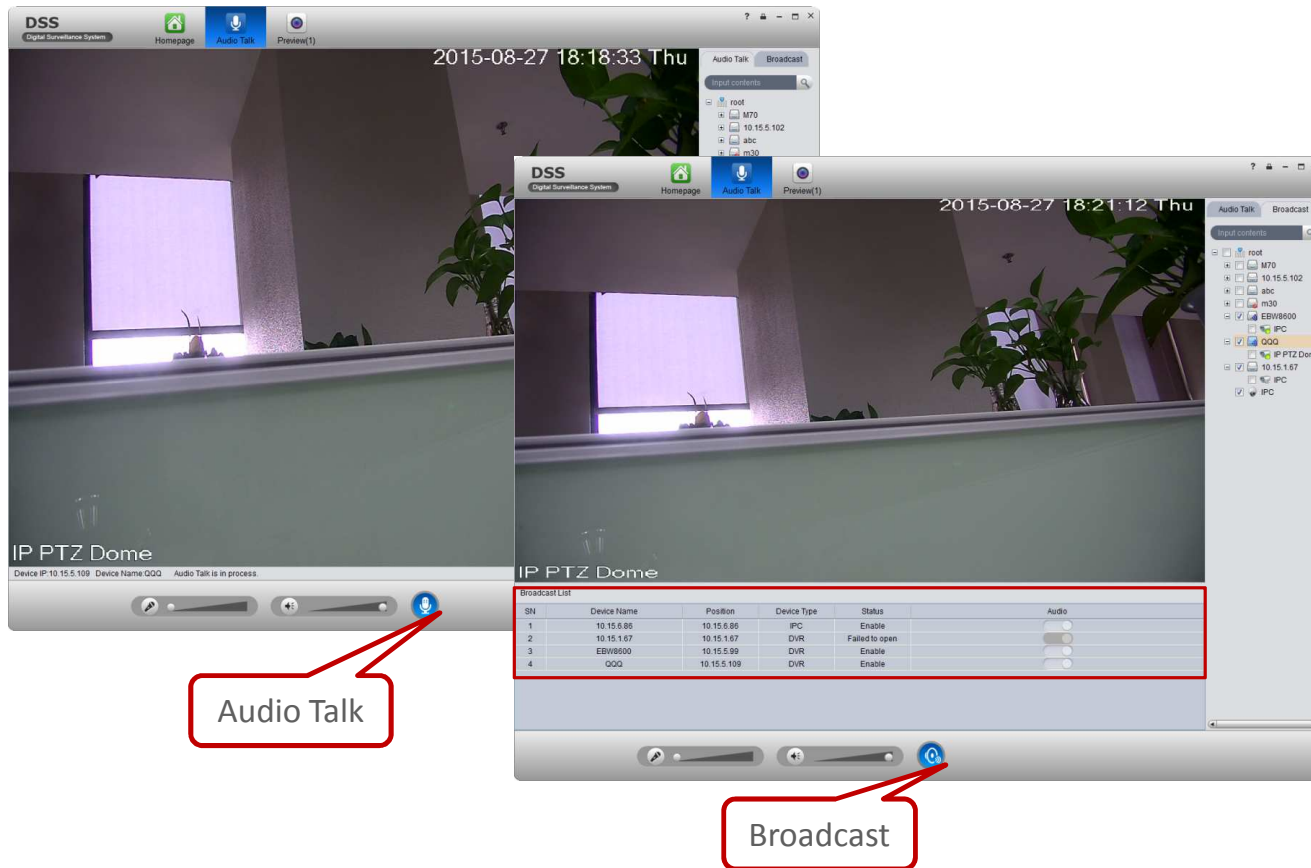
- Several "normal" flat images are obtained for display on the client screen
- Several View modes can be choose.
- Support fisheye calibration.

Playback



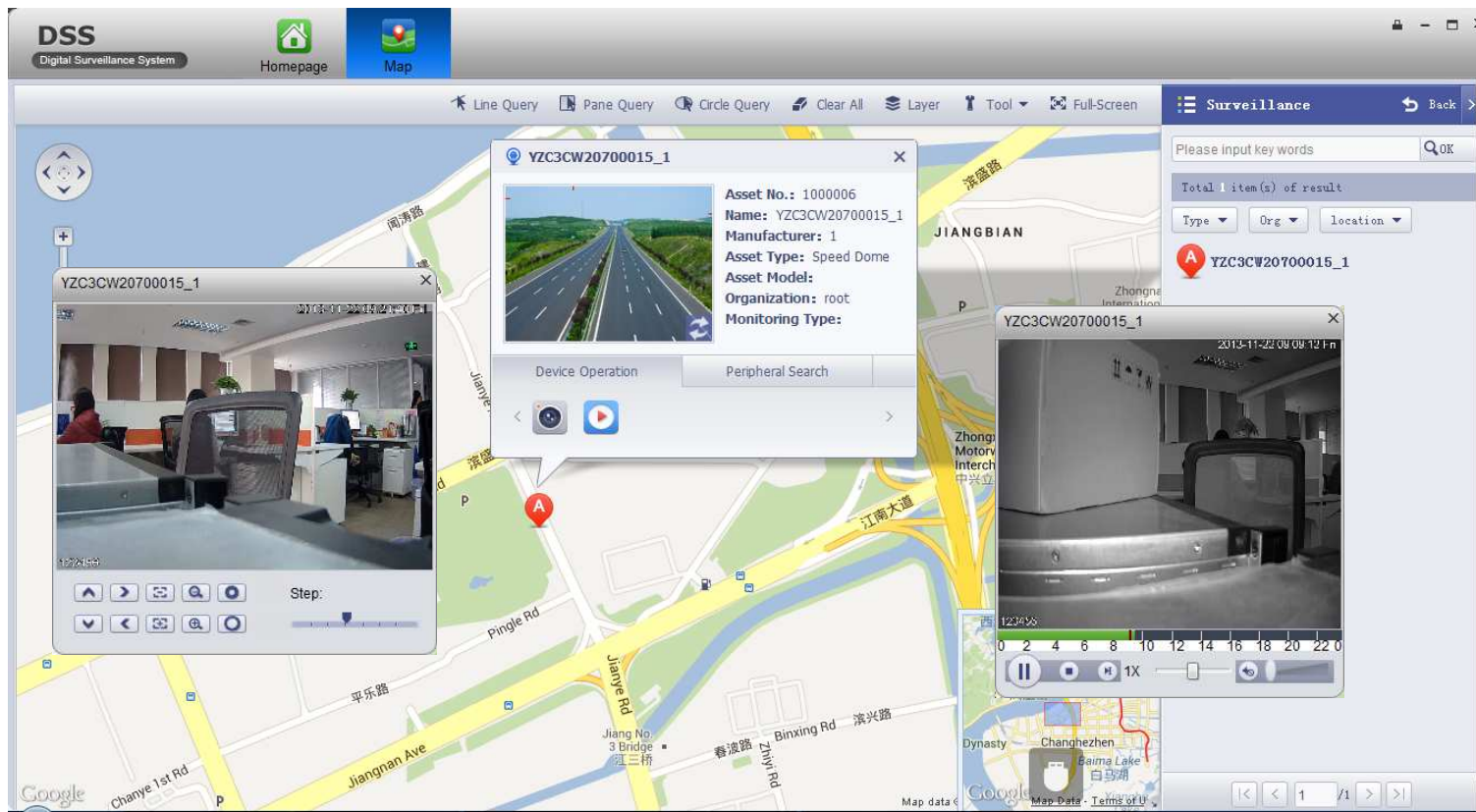
- You can search different channel, different time, and different types of record, and play the record.
- Support **sync play**, you can play records from different channels at the same time. Support up to 16 channels.
- Drag to any time you want to play through timeline pane. And support zoom in and zoom out.
- Support download records.

Audio Talk & Broadcast

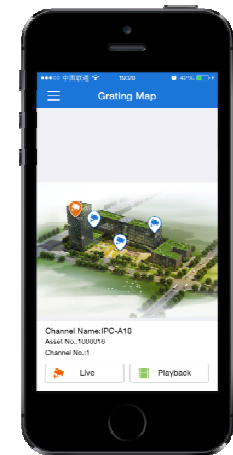


- Audio talk allows Client to talk to a single front-end device.
- Broadcast allows the Client to broadcast with multiple front-end devices.

Emap

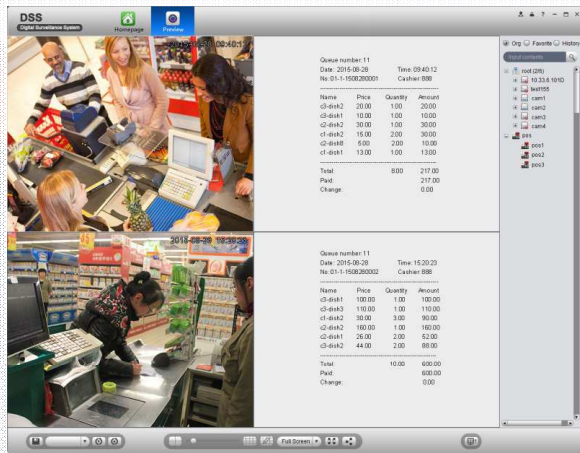


- Supports video channel and alarm channel display on map
- Support video monitor and playback.
- Support Google Map , Raster Map



<http://www.dahuasecurity.com>

POS



- POS information is sent to NVR and DSS and stored in NVR and DSS .
- you can view the live video and the POS information of the transaction, You can click-or-drag the POS terminal in live view to window if needed.
- You can search the POS information of the connected POS terminal and the related record files.



Parallel port

Data Collection

Net

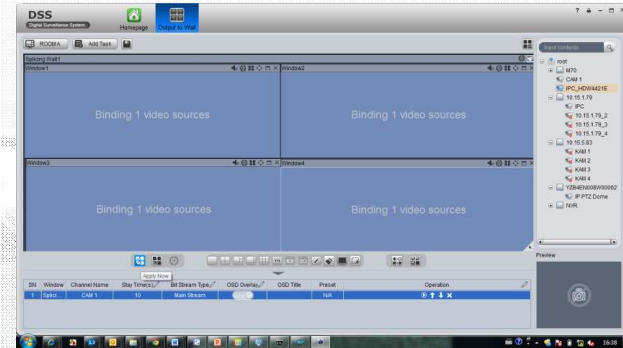
NVR

Net

DSS



TV WALL Solution



- Add the TV Wall Object, and binding the decode device, Such as M70. DSS can manage several TV Wall objects.
- Control TV Wall Display by DSSClient or NKB3000, include layouts and channel.
- Configure the tour task of TV Wall, which can display different video source in designated interval automatically.

Basic Intelligence



Smart IPC



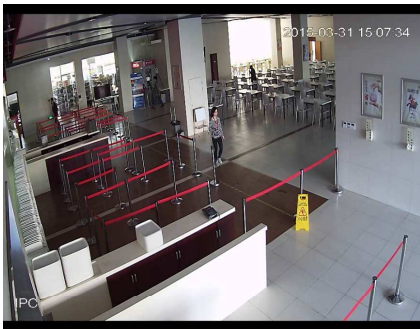
DSS



Intelligent interface

Tripwire & Intrusion

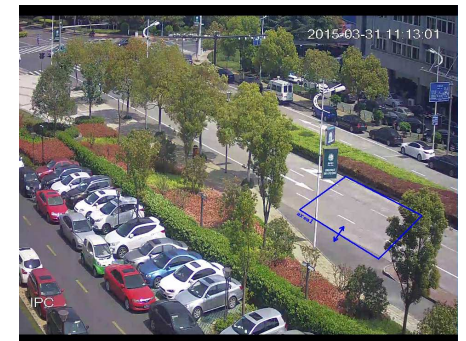
Tripwire



It is to detect if there is any object crossing the warning line, it can support different direction selection, such as A->B, B->A and bidirectional, and it can activate record, snapshot and alarm according to the judgment result.

It is to detect if there is any object entering or leaving the area, it will trigger rule when crossing the area perimeter, support enter, leave and enter&leave three direction selection, it can activate record, snapshot and alarm according to the judgment result.

Intrusion



Object Abandoned / Missing



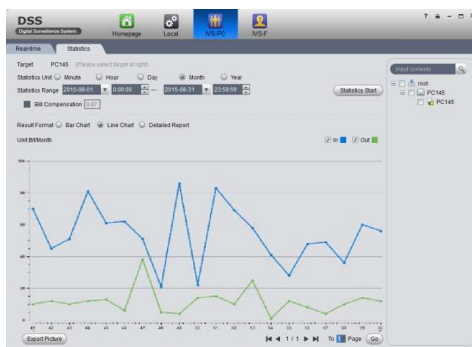
Object abandoned means that it is to detect if there is any object abandoned in the designated detection area and surpass the set time. It will activate record, snapshot and alarm according to the judgment result.

Object missing means that it is to detect if there is any object moved in the designated area and surpass the set time. It will activate record, snapshot and alarm according to the judgment result.

Intelligence | People Counting



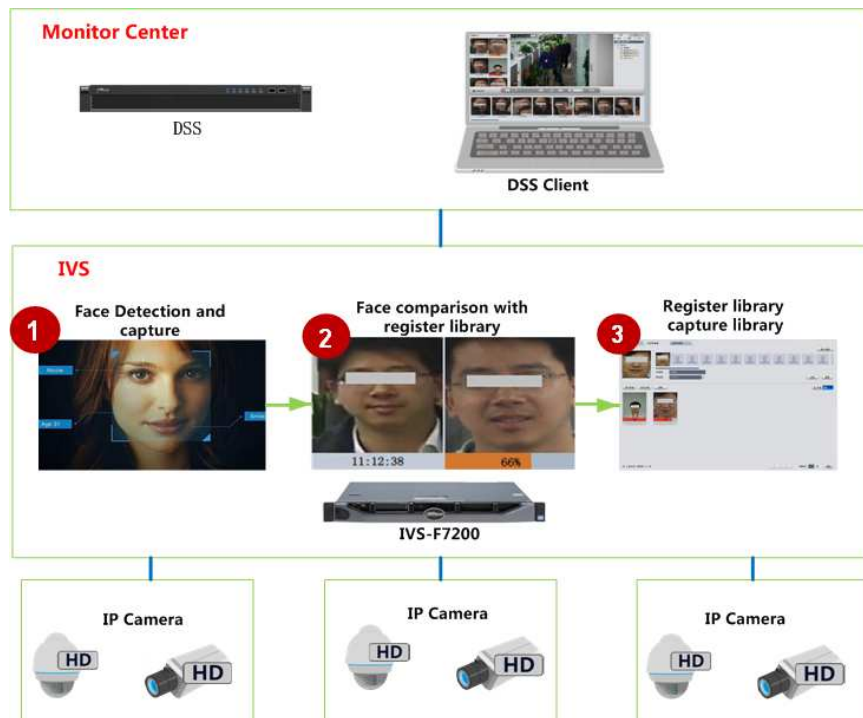
It is to make statistics of enter and leave people in the specific area of the image, and finally it comes out the statistics data, providing kinds of data reports such as day report, month report and year report. There are two ways to present: line chart and bar chart, providing data exporting function.



时间	进入人数	出去人数	净人数	总人数
2013-04-13 15:37:04	13	7	6	13
2013-04-13 15:38:04	12	6	6	12
2013-04-13 15:39:04	11	5	6	11
2013-04-13 15:40:04	10	4	6	10
2013-04-13 15:41:04	9	3	6	9
2013-04-13 15:42:04	8	2	6	8
2013-04-13 15:43:04	7	1	6	7
2013-04-13 15:44:04	6	0	6	6
2013-04-13 15:45:04	5	0	5	5
2013-04-13 15:46:04	4	0	4	4
2013-04-13 15:47:04	3	0	3	3
2013-04-13 15:48:04	2	0	2	2
2013-04-13 15:49:04	1	0	1	1
2013-04-13 15:50:04	0	0	0	0

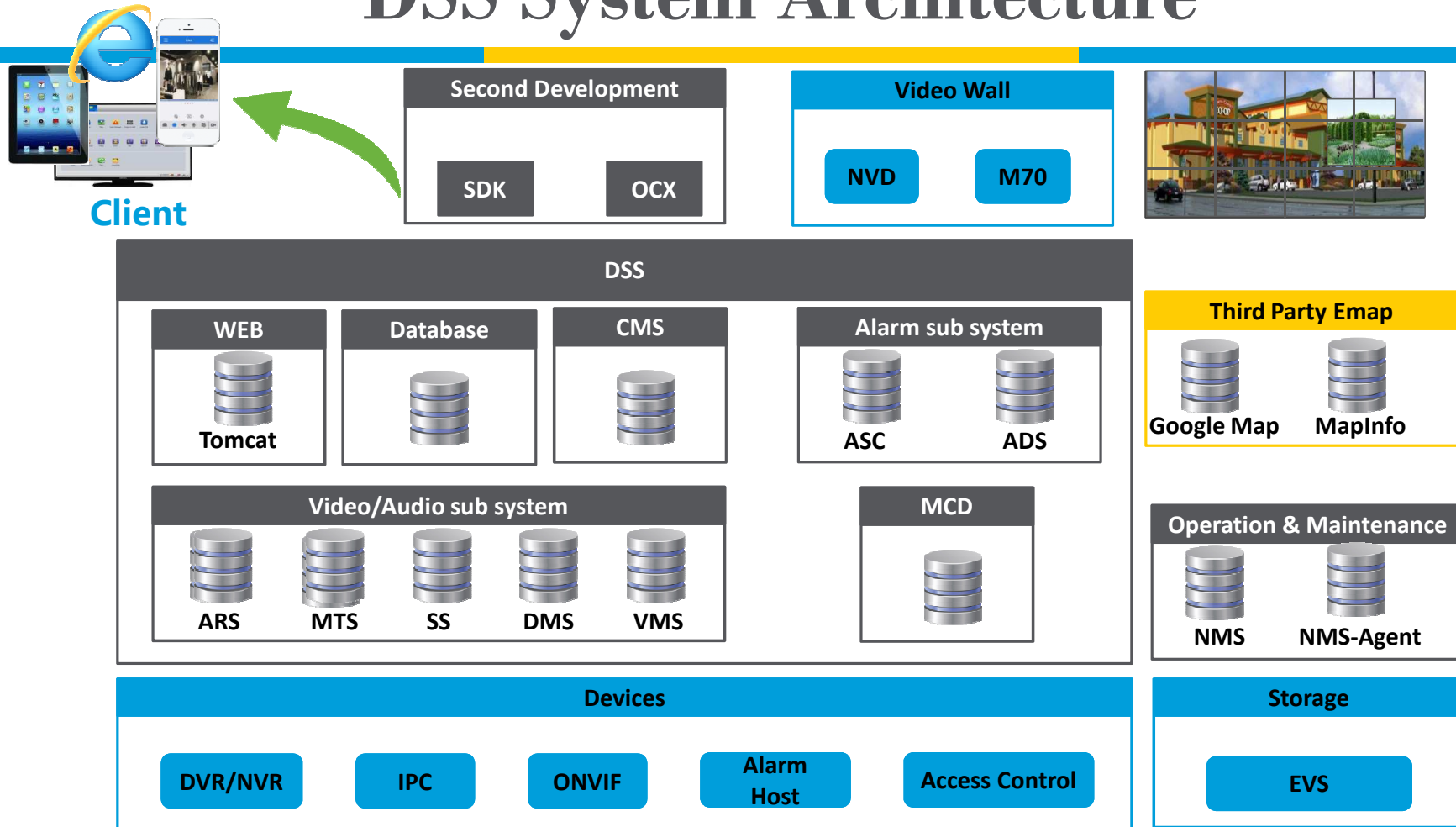
- Set the position of enter& exit.
- Set the direction;
- Set the people counting period and interval.
- Set the size of the object, and filter invalid object.

Face Detection



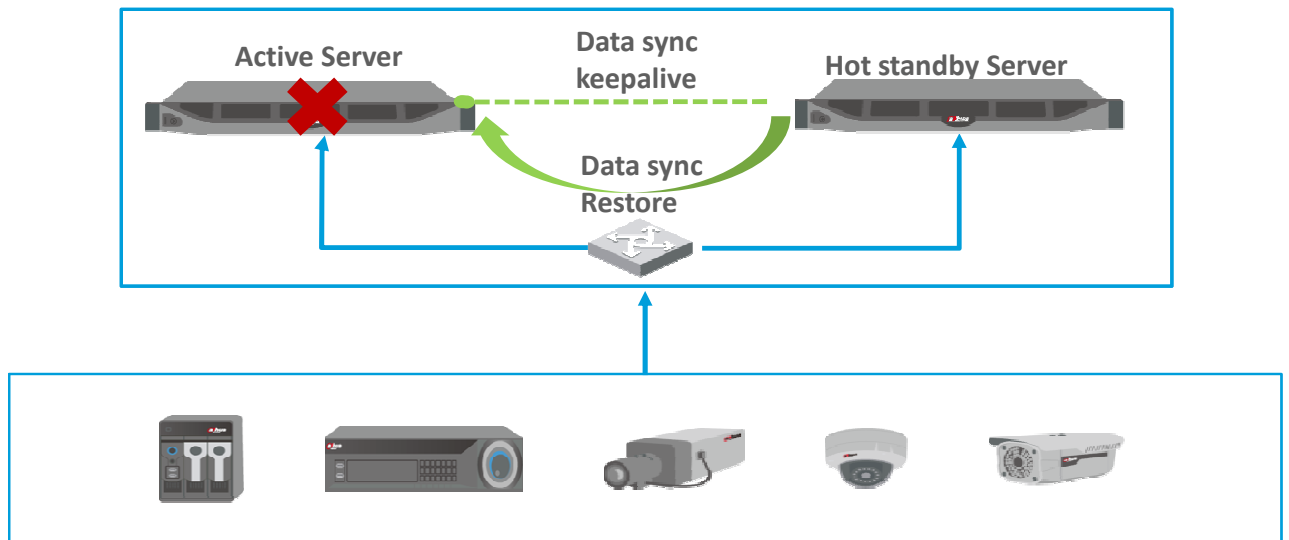
- Automatic face detection, The optimal face capture and save storage
- Capture face database query
- Export batch capture images
- Support up to 200,000 face library.

DSS System Architecture



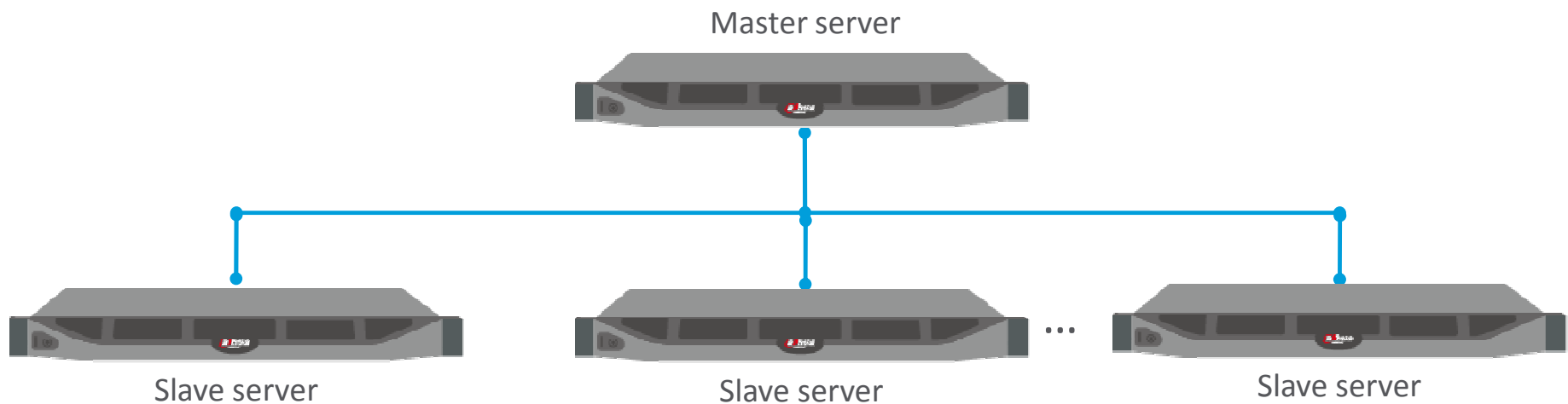
Dual Hot Standby

- Linux system, Anti virus, professional and security. Safe and stable, highly reliable
- Hot standby mode can improve the stability of system, when the active server fail or disconnect, the hot standby server change to active mode automatically and the system keep on work normally .



Distribute Installation

- DSS support Distribute by Master-Slave mode, with Higher scalability
- Realize linear expansion by adding slave server to meet business requirements
- You can easy to use when only need to add new slave sever information



Products | M70



- Easy and flexible configuration with pluggable card module design
- 320ch@D1 or 80ch@1080P signal encoding (full configured)
- 640ch@D1 or 160ch@1080P signal decoding (full configured)
- Support analog/digital video signals input and matrix output
- Support SD/HD video signal matrix switch and output
- Support non-compressed digital signal encoding output
- Remote cast analog/digital video onto the video-wall
- Remote reboot/upgrade/default setting and etc operations

DSS Products | NKB3000



- Support DAHUA Standalone DVR, DAHUA (Network) High Speed Dome, DAHUA High Speed Dome, Central Management Platform, Network Video Server
- Four Dimensional Joystick Control of PTZ Functions
- Support full HD 1080p live view;
- Support HDMI & VGA sync output
- Support snapshot and recording to U-disk
- Support Video-Wall display
- Support external Wi-Fi (Optional)
- Preset Position, Auto Scan, Auto Pan, Auto Tour & Pattern Control

Product | EVS7024/48S-R



- 64-bit high-performance multi-core processors, ensure the massive data processing stability
- Support [SAS](#) multiple cascade, external SAS interface bandwidth bi-directional 192Gbps, ensure the system storage capacity expansibility
- [24/48 HDDs in Single device](#), [single system up to 240 HDDs](#), capacity up to 1440TB
- Up to 10-1000Mbps Ethernet ports, and 4-10000Mbps Ethernet ports
- Internal backboard bandwidth bi-directional 288Gbps
- Support 3.5 inch, 2.5inch SAS/SATA (1T、2T、3T、4T、6T). Support mixed different capacity HDDs
- [Support HDD hot-swap, online replacement, online expand](#)
- [Support standard iSCSI protocol storage and video stream direct storage](#)
- Under video stream direct storage mode, support 1536Mbps video storage
- Under video stream transmit mode, support 4096Mbps front-end access; 4096Mbps network transmit
- Under IPSAN working mode, storage bandwidth ≥ 3.6 Gbps
- [Support RAID0、1、5、6、10、50、60、JBOD、hot standby](#), ensure the data storage safety