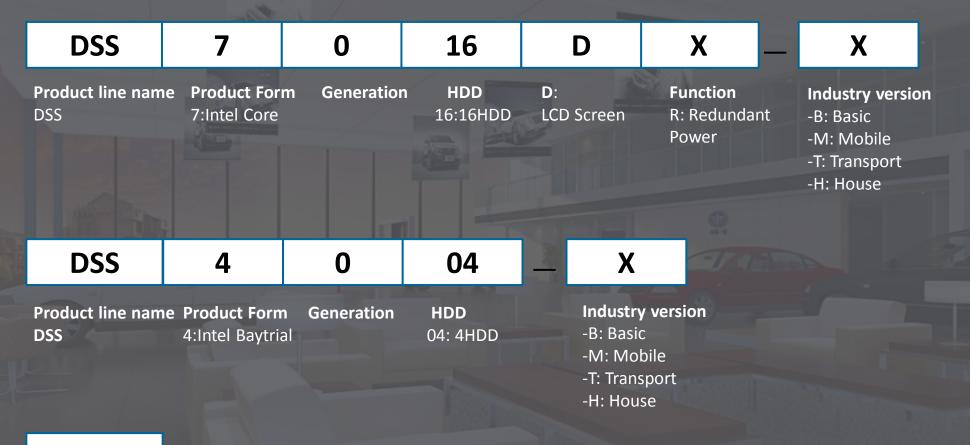


Catalog

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Name rule

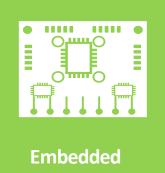


DSS

Pure Software

DSS7016D/DSS4004



















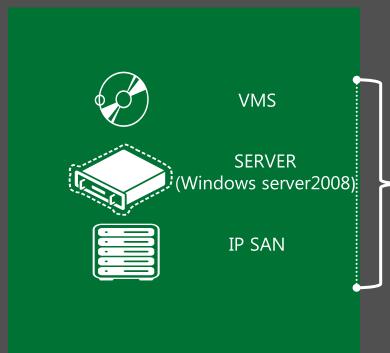


DSS7016D

Centre management devices

DSS7016 platform Network

Devices





Encode device
IP camera,
DVR & NVR
SVR/EVS

Alarm device Alarm host





DSS clientB/S client/S client
Mobile phone client







DSS7016D/DSS4004



Windows Server

Software costs



Energy saving

Hardware costs

DSS7016D/DSS4004



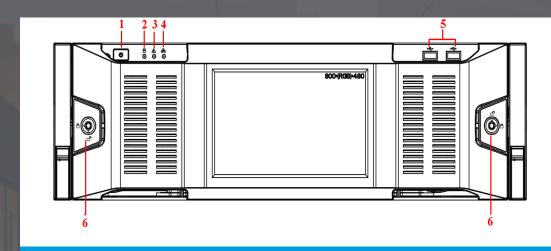


Plug and play

- Power On, and according to "Quick wizard" to complete the initialization configuration.
- Relieve the series of complicated steps for installation of OS, software and database, to realize the real "plug and play".



DSS7016D



1-Power Button

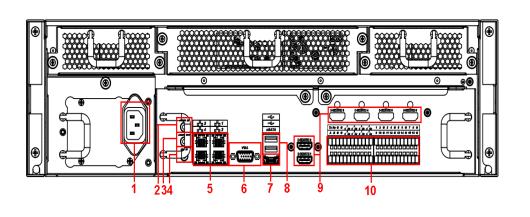
2-System Indicator

3-Alarm Indicator

4-Net Indicator

5-USB

6-Front Panel Lock



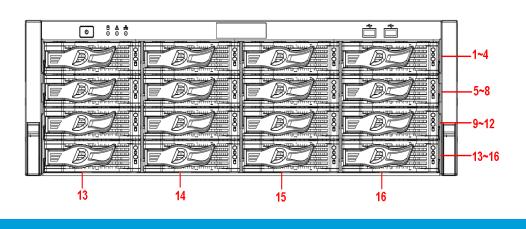
1- Power Interface

5- Net Interface

6-VGA

8-USB 9-HDMI

10-RS485



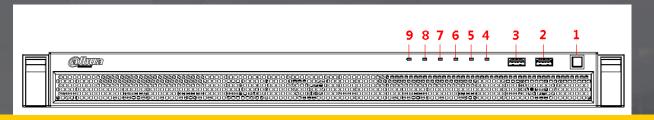
1-System HDD2-16- Storage HDD

DSS7016D



- Embedded device, 30*24 stable operation
- High-performance stream media transfer and storage capability
- Support hot standby
- Support local storage and IP-SAN storage
- Support 20 distributes server and 5-level cascade
- Max support 2000 channels (Max support 500 devices)
- Support unlimited accounts management and 8000 online users
- Support 700M transfer capability
- Support 700M local storage capability
- E-map max displays 200-channel on one screen
- Process 1000-channel alarm per second.

DSS4004



Front Panel

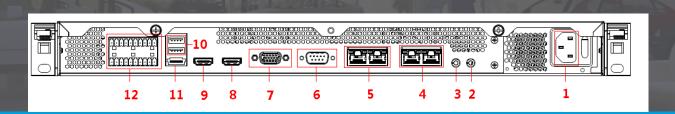
1-Power Button 4-HDD4 7-HDD1

2-USB3.0 5-HDD3

3-USB3.0 6-HDD2

8-Alarm Indicator

9-Network Indicator



Back Panel

1-Power Interface

2-Audio Output

3-Audio Input

4- Ethernet Port 1~2

5-Ethernet Port 3~4

6-RS232Interconnects

7-Video VGA Output

8-HDMI1

9-HDMI2

10-USB2.0×2

11-eSATAInterface

12-Alarm In & Out

DSS4004



- Integrated design, lower combined cost
- Simple deployment, one-key upgrade
- Support hot standby
- Support local storage and IP-SAN storage
- Support 20 distributes server and 5-level cascade
- Support 200 IP devices and 1000 channels
- Support unlimited accounts management and 8000 online users
- Support 300M transfer capability
- Support 100M local storage capability
- E-map max displays 200-channel on one screen
- Process 1000-channel alarm per second.

DSS Pure Software

Operating System

Centos 6.7 64-bit

Recommend Hardware

Memory@8GB

System Disk@1TB

Ethernet port@1000Mbps

ISO File

Pure software installed for the first time, need to burn the ISO file into U disk images file, then the server start from U disk and start the installation

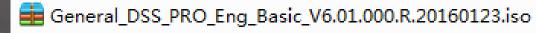
• Bin File

After initial ISO installation, can upgrade the DSS version by "Configtool ", just like DSS7016D

License

Through license control add-on module and channel num.





Example 2 General_DSS_Eng_Basic_V6.01.000.R.20160123.tar.gz

What's the different between DSS and PSS?

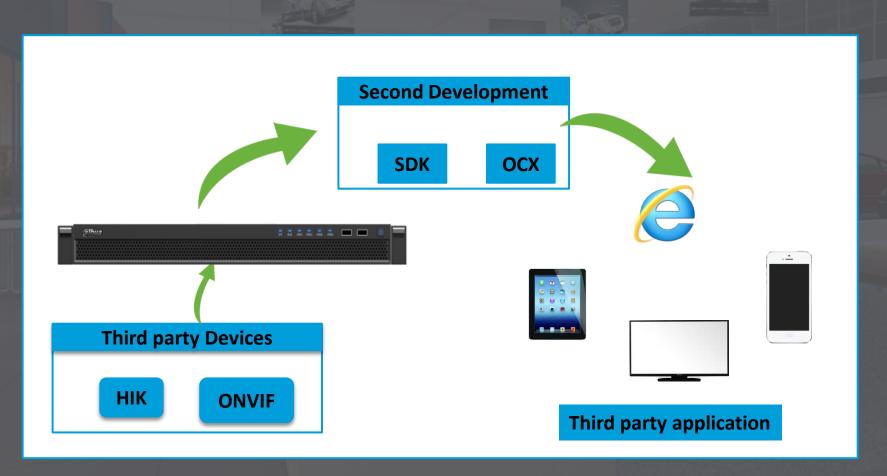
Key Parameters		DSS	Smart PSS
Device	Dahua Device	More than 250 Device and 1000 channels	256 devices , 2000
			channels
	Auto Register	200个IP	No
User Management	User Management	8000 online users	No
	Authority management	Support	No
Video Detect	Video quality diagnosis	Support	No
Client Acce	ess Include TV Wall	Support	Limit by Device
multaneously		The second	Bandwidth
Center Storage	Local	Support	PC NVR
(3)	ISCSI	100Mbps	No
Scalability		Support Distribute, Hot standby, N+M	No
and stability			
EMAP		Raster、Google Online/Offline	Only Raster
Client	Whether you need configuration data	No, only need to login by same account, all data	Yes
	repeat on each PC	storage in DSS Server	
Mobile Client		DSS Mobile	No
Others		Mobile DVR, Intelligent Traffic, Retail, Intelligent	
		Building, Parking Lot	V6.01.000

What's the different between DSS and PSS?

DSS	Smart PSS
Network integrated management mode	Local management mode
Transfer Mode, support up to 1000 online users	Direct Mode, supports only 10 users simultaneously access
Application integration and information integration, support alarm, access control,	Unable to integrate advanced application and information integration
Authority management	No authority management
Scalability and Stability	
Unified management of whole system resources	Can not effectively solve the problem of resource conflict

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

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DSS COMPONENT









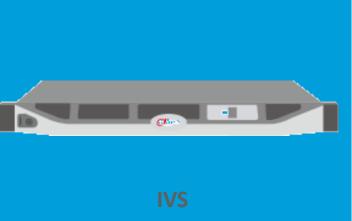








NVR



Device Management











Access Control

Authority Management



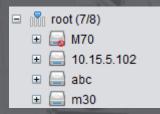
User A

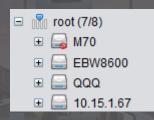


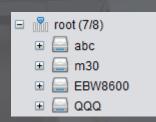
User B



User C



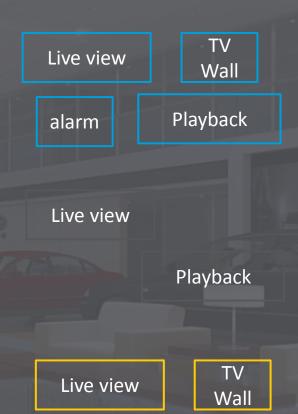




Different Device



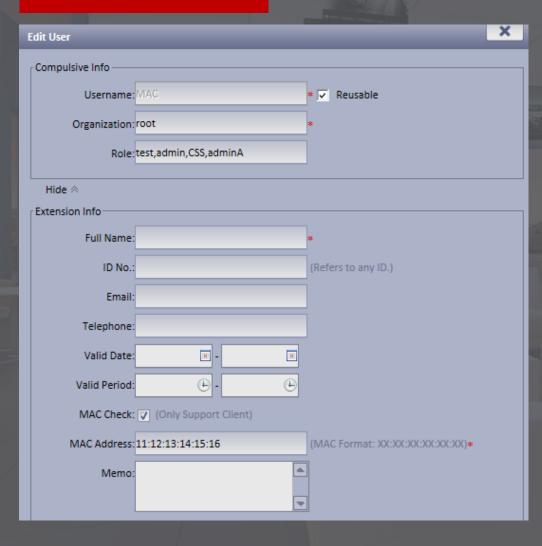
Active Time Period

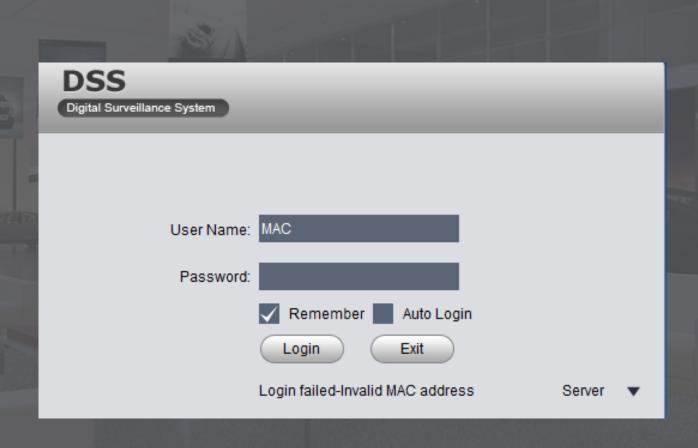


Different Rights

User Login Limit

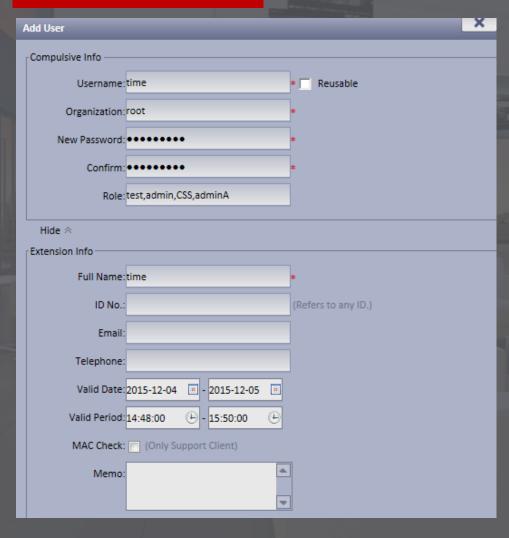
> MAC address limit

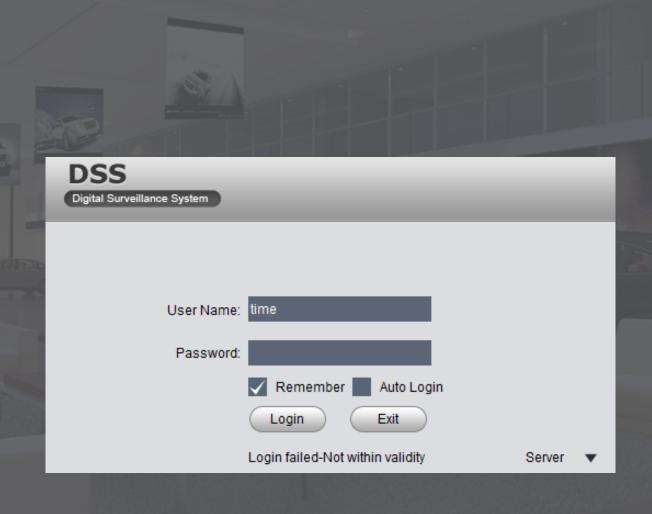




User Login Limit

Active period limit





Alarm Management



Access control

External alarm

Device status

Intelligent detection

Alarm host



Mail

TV Wall

Record

Live Video

History

Log

Alarm Source

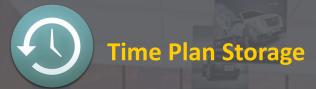
time period

Linkage

SMS

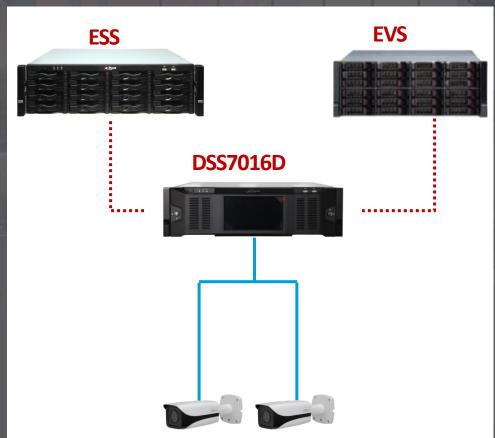
Storage Solution

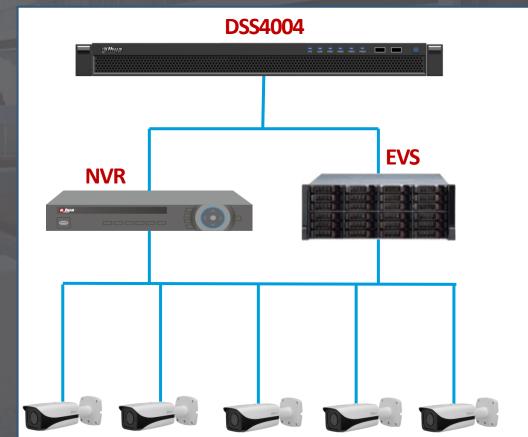
- 1. DSS Local Storage): Storage the video or picture in DSS local HDD.
- 2. ISCSI extension: Connect to ESS or EVS storage by iSCSI protocol, use IPSAN to release storage extension



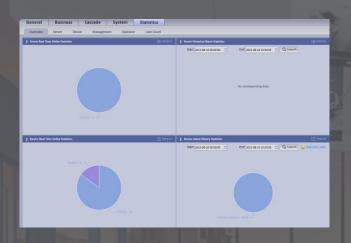


Alarm Storage



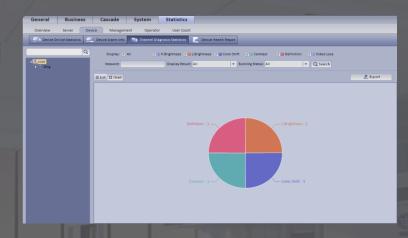


Statistics



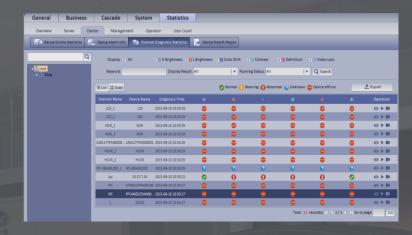
Servers information

- 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



BRIEF

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

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.



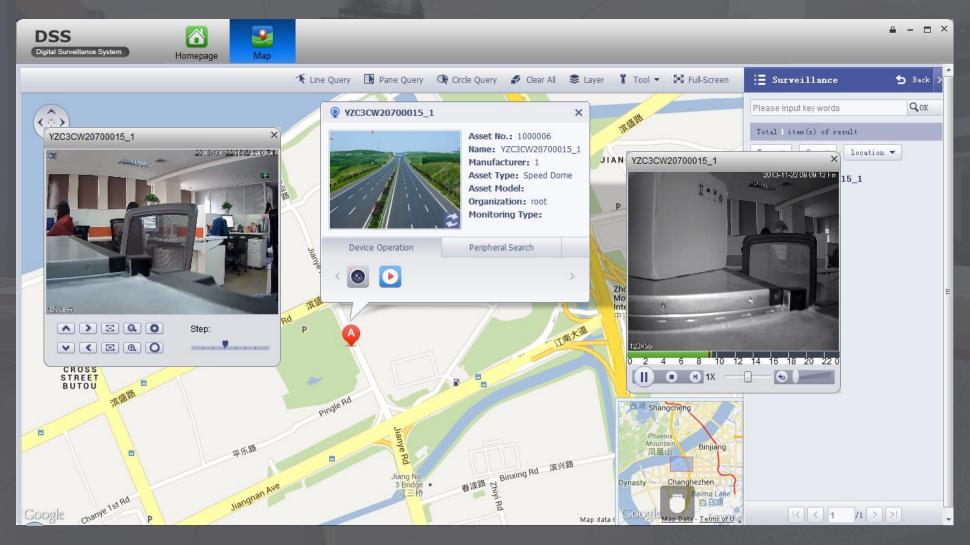
Playback



- You can search different channel, time, and 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 Lock and Mark records.



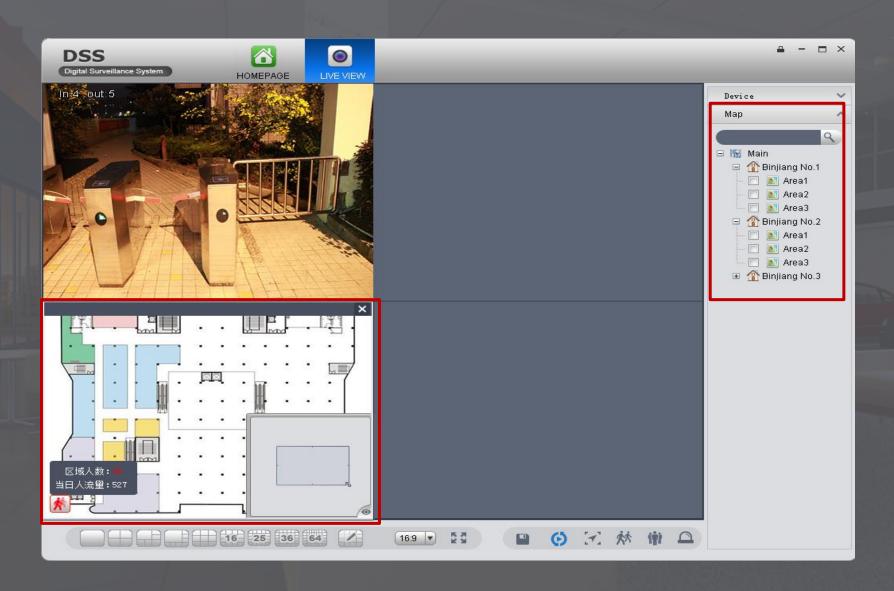
Emap



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

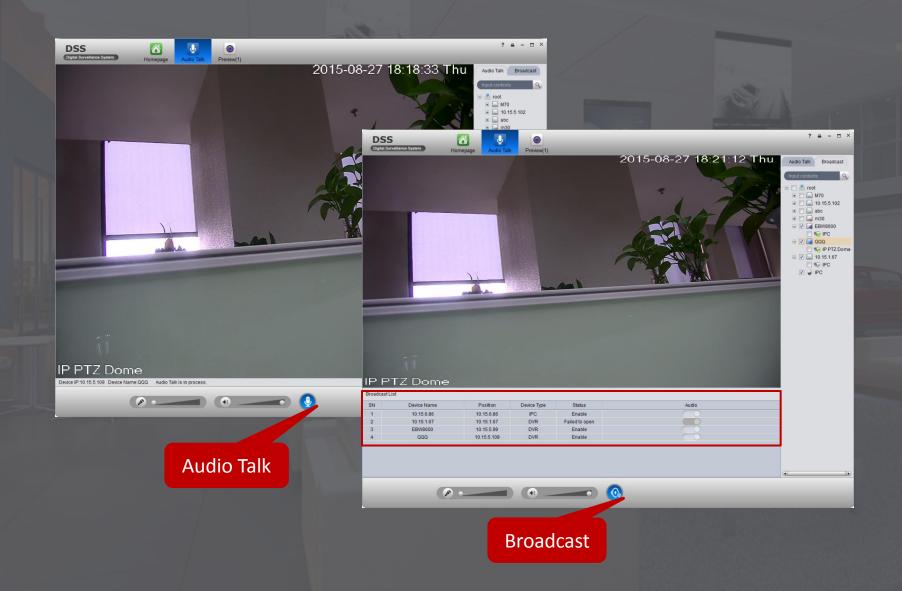


E-MAP and Preview



- After add map resources on web, the client will show map list simultaneously in preview interface.
- Can drag the map to the preview window, can close manually.
- Can double click or drag the video on the map to the corresponding window and preview

Audio Talk & Broadcast



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

Tripwire & Intrusion

Tripwire



Note

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.

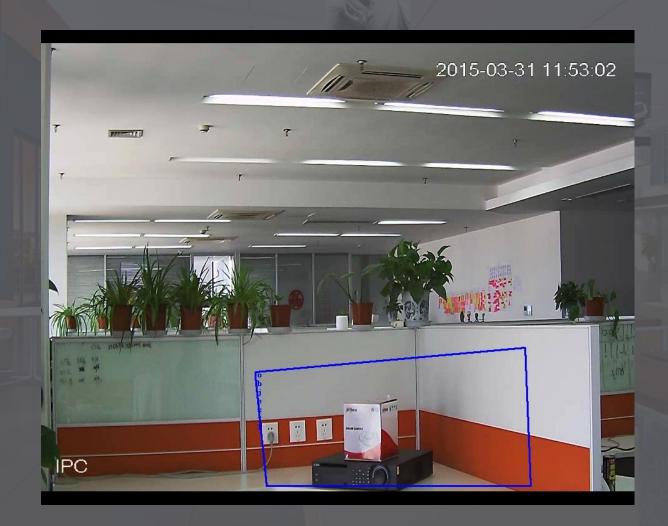
Intrusion





* All intelligent functions on DSS need to connect Smart IPC or IVS server, Smart IPC just send the video analysis result to DSS as an alarm

Object Abandoned / Missing



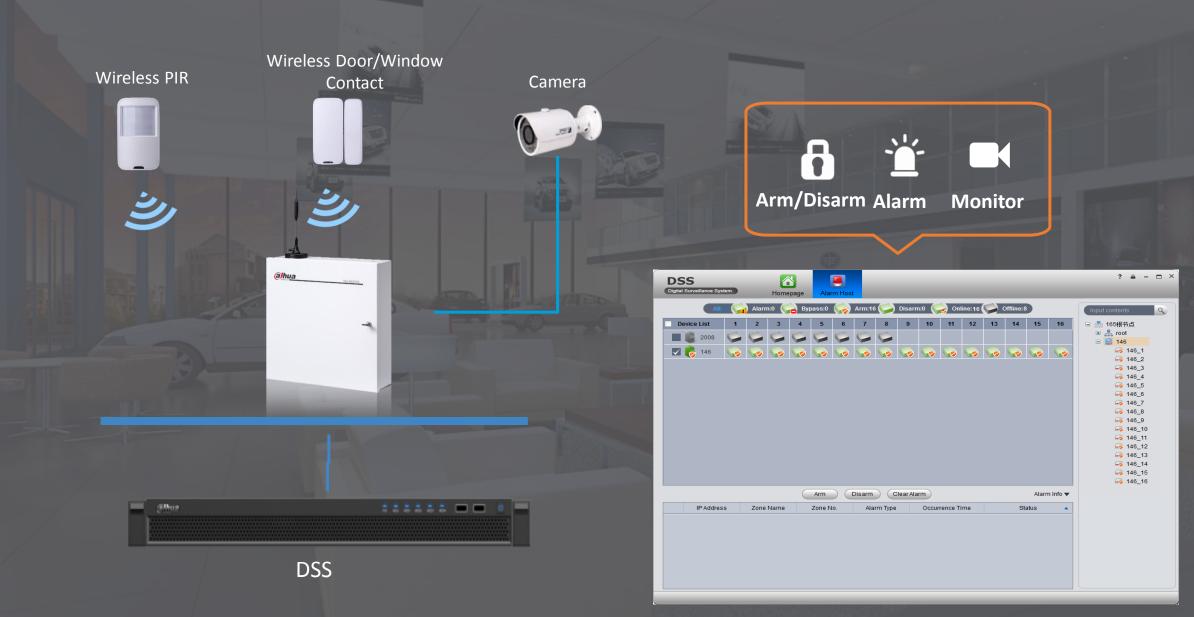
Object abandoned means that it is to detect if there is any object abandoned in the designated detection area and surpass the set time. It will activate record, snapshot and alarm according to the judgment result.

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.

Access Control Solution



Alarm Host



TV WALL (Small)

Connect multiple monitors to PC, login
DSS Client, pull the different modules to
different screen, and then through
NKB1000 to control Preview and TV wall

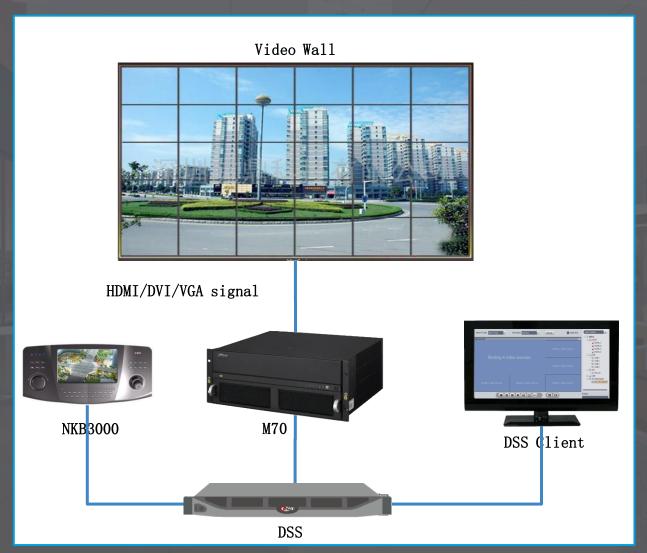
DSS

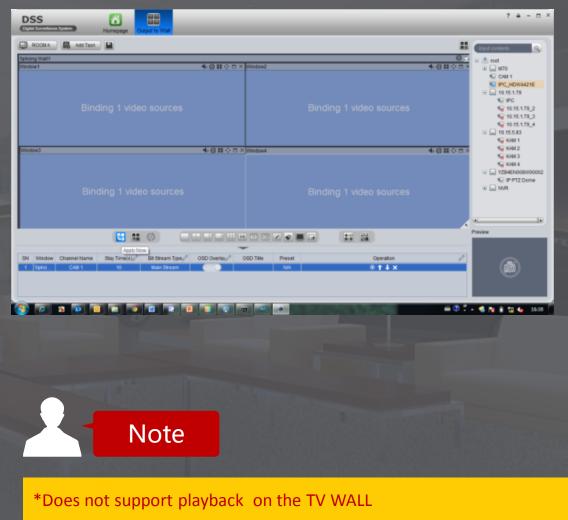
Net



DSS Client

TV WALL (Middle-Large)

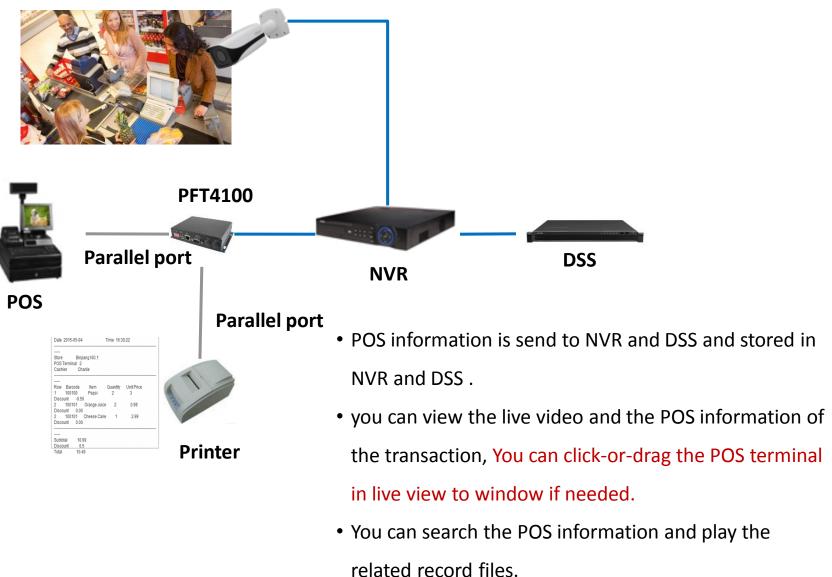




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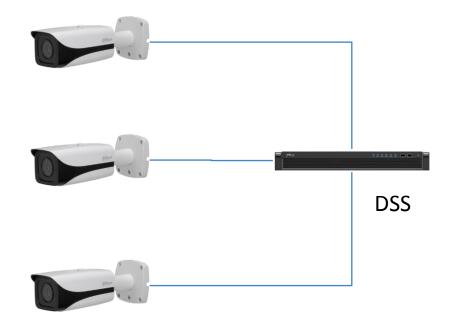
POS

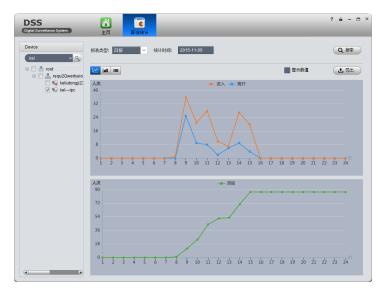






People Counting

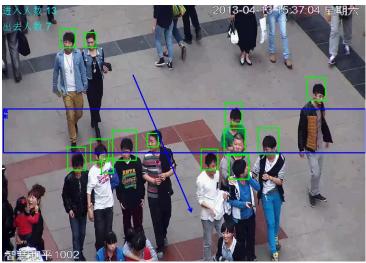




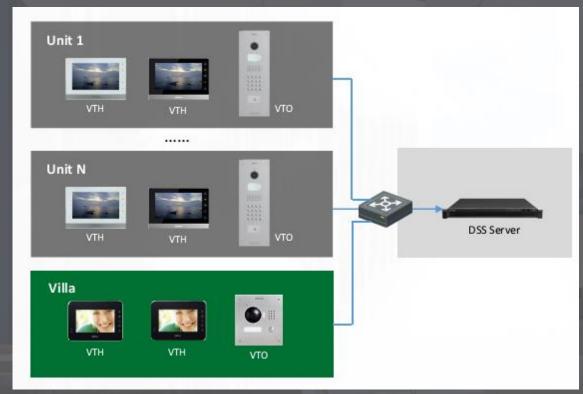


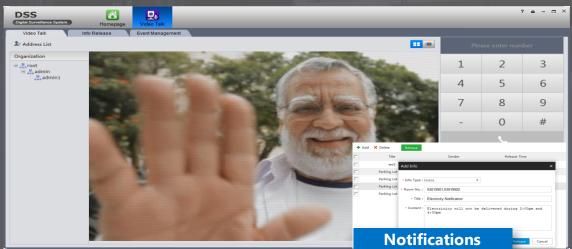
Smart IPC

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 daily report, monthly report and annual report. There are two ways to present: **line chart and histogram,** providing data exporting function.



Video Intercom Integration





Video Intercom

- Video call between control center and outdoor station
- Audio call between control center and indoor monitor
- Control the access of outdoor station remotely

Push Notification

 Push notification such as advertisements, daily news and delivery notice from control center to indoor monitors

Alarm Management

 Alerts along with link video will be sent to the control center for emergency handling once an alarm is triggered by any sensor connected to indoor monitors

*SIP-based communication, the SIP server is integrated in the DSS. Don't support WLAN Mapping

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WAN Mapping

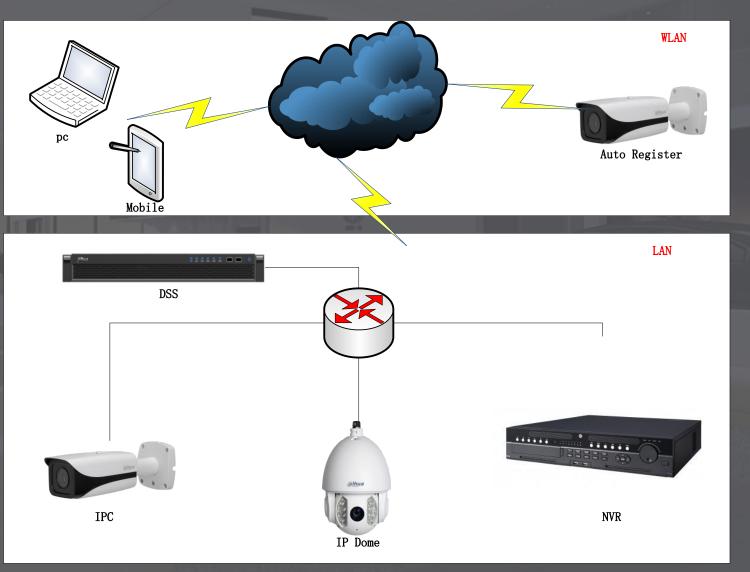
If you want access the DSS, and hasn't Fixed WLAN IP, you can use router to do WAN Mapping, then you can access the DSS from public net.

Port Mapping

Can control the number of internal and external network port mapping, and the internal and external network port can be inconsistent

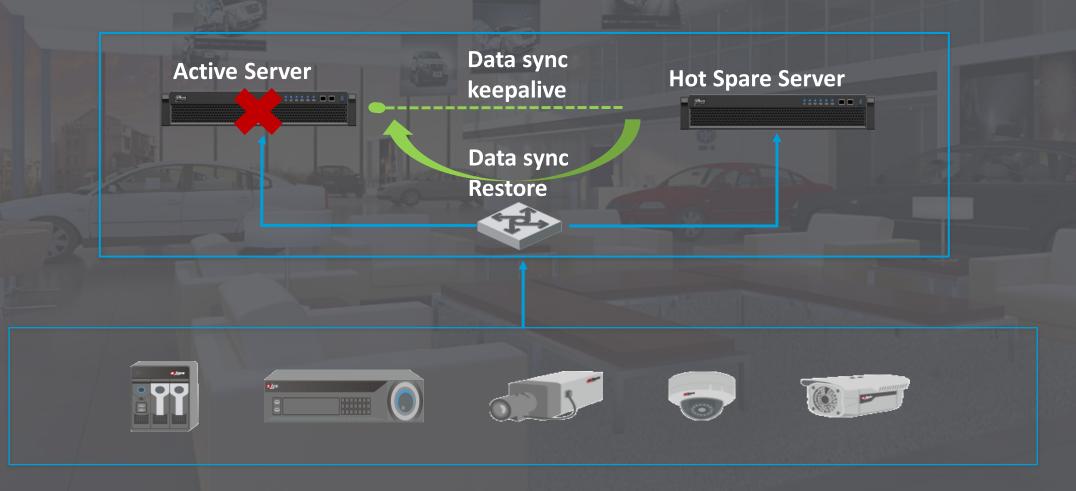
DMZ Mapping

Equivalent to all the ports is the same map directly to the network



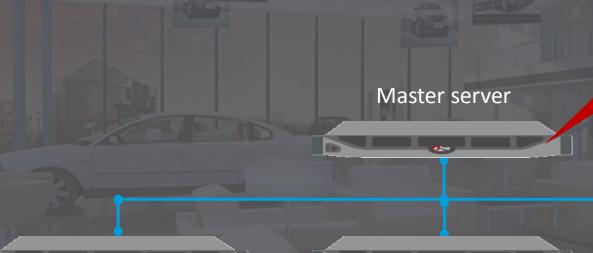
Hot Spare

Hot Spare mode can improve the stability of system, when the active server fail or disconnect, the Hot Spare server change to active mode automatically and the system keep on work



Distribution System

Via distribution, fulfill requirement of larger surveillance system. extend the transfer, storage (DSS7016D) and device management capacity, max support 20 unit.

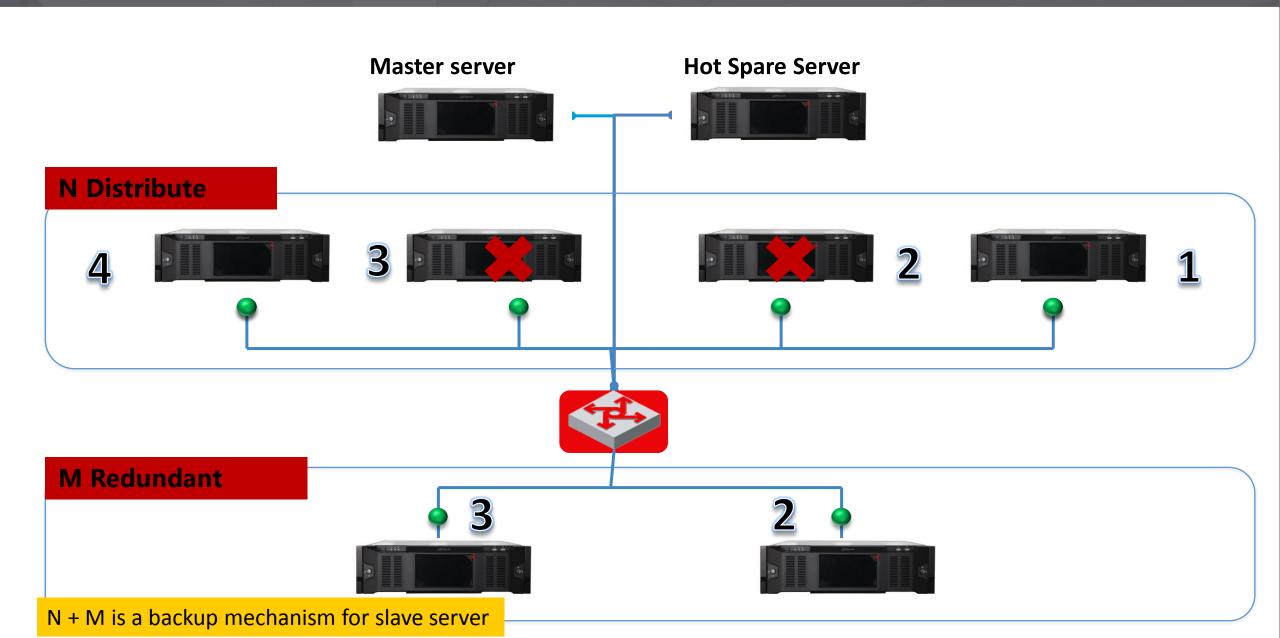


- master control
- data management
- device management
- dispatch of other slave servers



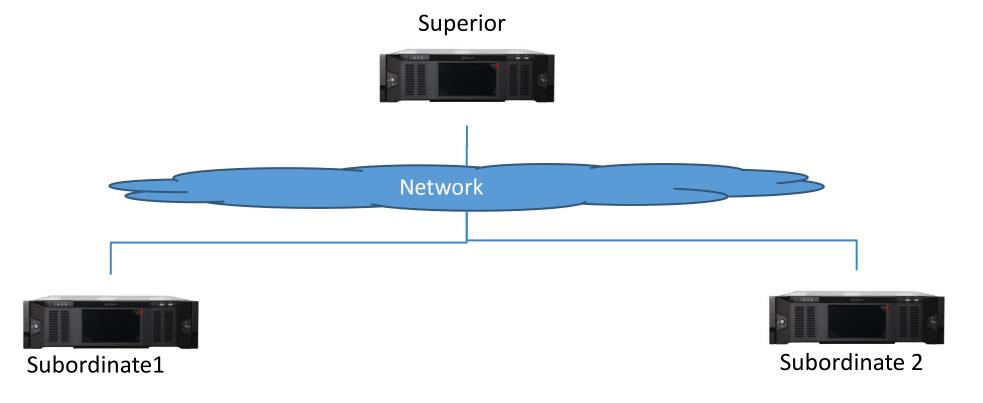
- device management
- video transfer
- storage

N+M



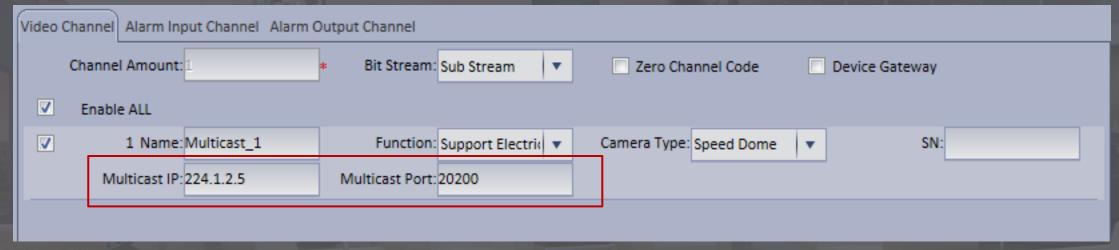
CASCADE

- The superior domain is equivalent to a client of subordinate domain, login on subordinate domain get device list and authority information
- Max support 5-level cascade

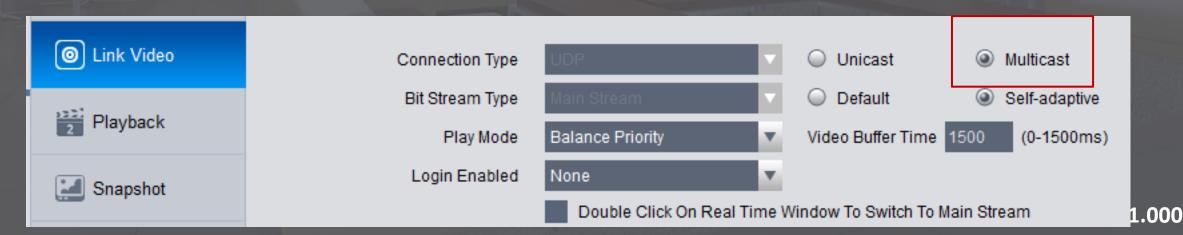


Multicast

- 1. The equipment must be support multicast
- 2. when add device which is support multicast on DSS web, must fill in the multicast IP and port



3. Login DSS Client, enter Local, select Multicast



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INTELLIGENT TRAFFIC



Radar Speed Enforcement

Detect the overspeed, vehicle classfication and lane No.



Detect the red light runner with video and 3D radar tracking.



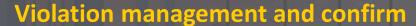
Record the vehicle plate in multiple lanes with video detection, take a real-time picture of car even drive in 180km/h

V6.01.000

INTELLIGENT TRAFFIC

High definition monitoring

Deliver All kinds of high definition cameras including bullets and PTZ to adapt to the needs of various scenes



Record and store the violated data including time, place, car plate, speed, violation type. Recheck b efore uploading the data to official violation DB b y modify the data.



Monitor black list with ANPR

Provide black list alarm in real time and monitor the track of black vehicle in e-map.

Abundant traffic data

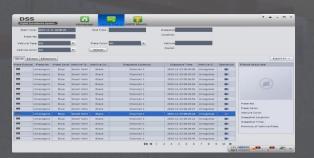
Record regular traffic flow where vehicle driving by the monitor camera. Statistic for all different kinds of violation.



Black List Window

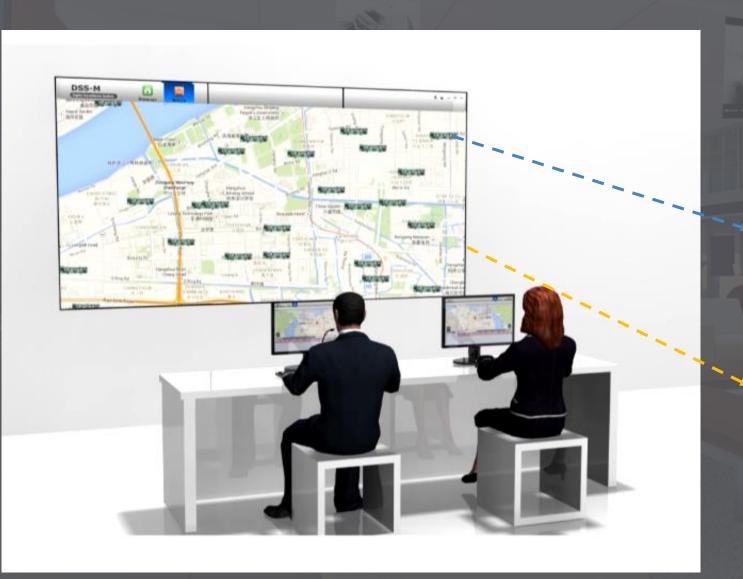


E-map Window



Violation window

MOBILE VEHICLE



Dahua Mobile surveillance solution

Includes from the front-end HD cameras to back-end management system. It meet the needs of the vehicle monitoring and operation at multiple scenes.





MOBILE VEHICLE



Deal with Emergency

The inside G-sensor help to detect the accident in the first time and se nding the alarm and video back to command center for dealing



Prevent Driving Misbehavior

Detect vehicle overspeed and send the GPS information back to command center.

two-way-talk function help to easily m aking a communication between drive r and operator.

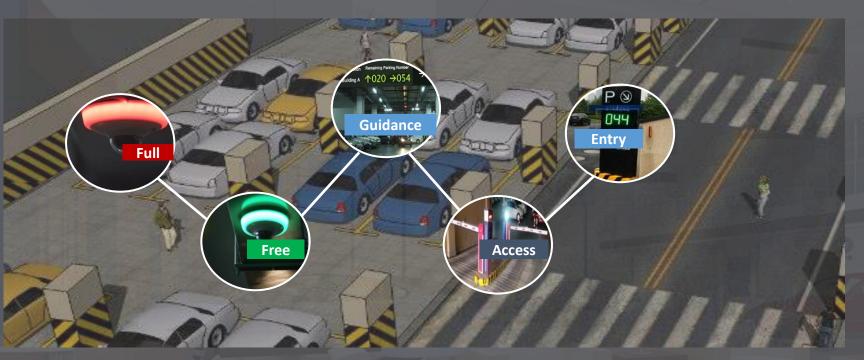


Regulate vehicle movement

Electronic fence restricted the vehicle in certain route, to help manage the operation of the vehicle.

V6.01.000

PARKING LOT



Parking Guidance

Easy to Find a Free Space

With the indicator of Dahua LED display and d etection camera, car owners can locate a free space in just a few minutes. In the meantime, video signals transmitted from the detection c amera are of great help for the guarders to ch eck the safety of parking lot.





Parking Entry

Promote the Efficiency

With Dahua advanced LRP algorithm integrate d in the ANPR camera, the access can be contr olled automatically, which allows the customer s to drive directly into the parking lot without stopping cars to get a ticket.

V6.01.000

INTELLIGENG BUILDING



Community Surveillance

Need panoramic and detailed view of the realtime situation in the campus of residential area or office building.



Building Access Control

Need visitor management with high security level and visualized confirmation.



Control Room

Obtain effective evidences and references for incidents handling by presenting real-time videos and alerts from all the needed resources onto the video wall. **V6.01.000**

INTELLIGENG BUILDING

High definition monitoring

Deliver All kinds of high definition cameras including bullets, PTZ domes and fisheye to adapt to the needs of various scenes

Intelligent video analysis

Tripwire, Intrusion, people counting, heat map am ong other smart functions are embedded in the ca meras to provide a quick reminder of emergencies and even business intelligence



Alarm system with high reliability

Provide rich interoperability by integrate alarm events with video surveillance and access mana gement, results in better situation awareness and decision-making

Video Intercom

Provide visitor notification and alarm alerts thro ugh IP-based video intercom system. Messages can be received from Intercom center as well.

Access control with high security level

Provide various types of authentication methods including fingerprint, p assword and MIFARE card, and link the system with video surveillance



Access Control



Alarm

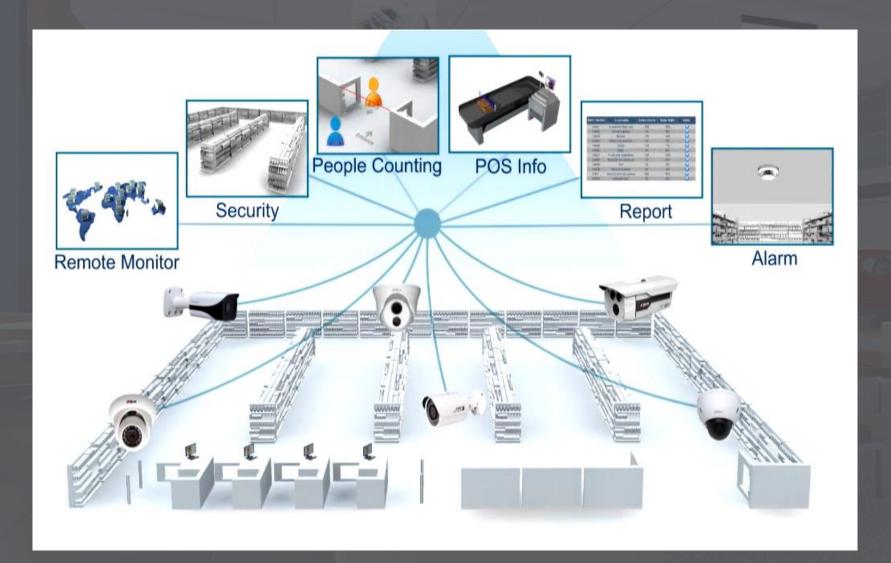


Surveillance



Video Intercom

RETAIL



Provide better security

Through monitoring the POS and linkage of videos to know short changed

Make better Management

Through People counting to know the customer flow situation

Greater business value

Through sales report to know the Commodity sales situation

RETAIL

POS Real-time display and

Search

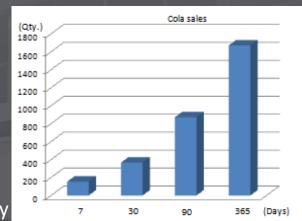




- Real-time display of POS transaction information.
- Playback video relevantwith the search result youhave chosen.

Sales Report

- Management platform generate sales reports based on POS data.
- Show the commodity
 sales situation of
 different stages intuitively



Retail Integration

- Transcholar

 Limited Bills

 Control College

 Control Coll
 - Hot map

Output customer

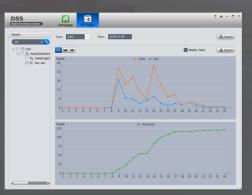
 activity density to
 show which area

 attracts most

 customers

- Real-time display of customer flow quantity.
- Timely open more counters

 When there are too many
 customers.



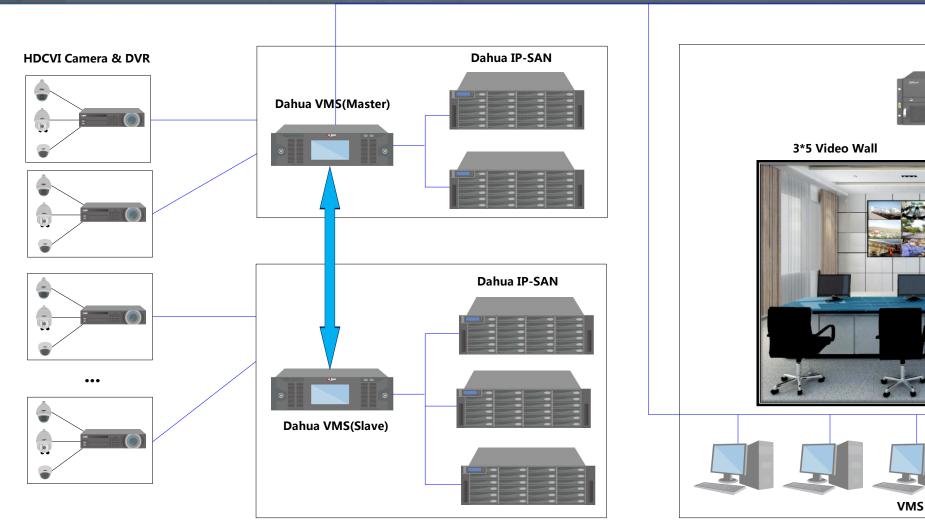
People counting00

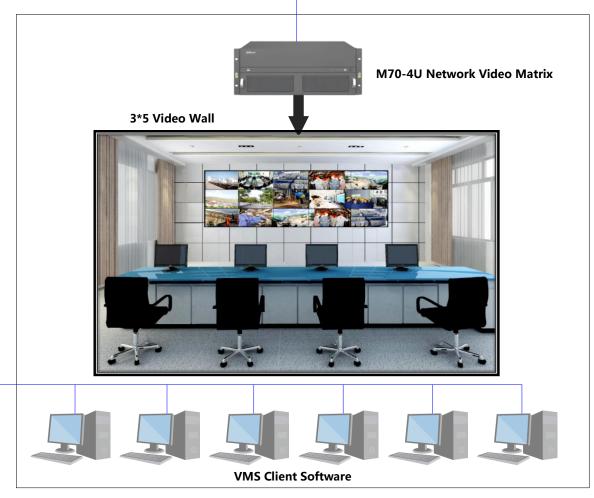
Catalog

Product Series Functions Introduction ADD-ON Business DSS Deployment Characters Industry Application 6 **Success Cases**

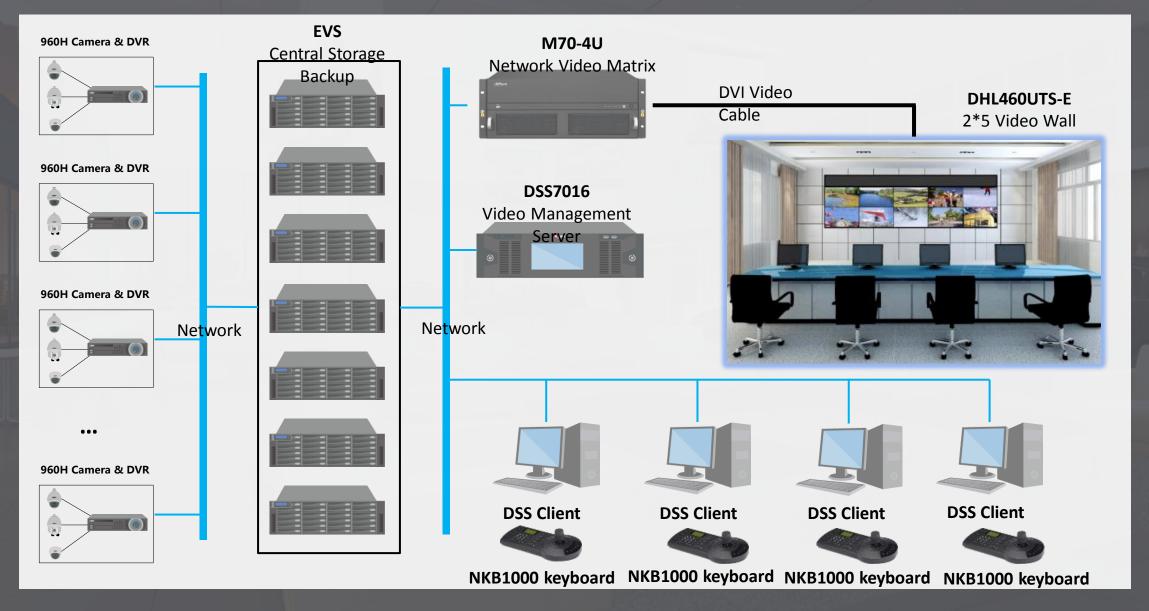


Successful Case | Lulu Hypermarket Surveillance Project





Successful Case | Mexico City Plaza Inn Surveillance







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