



# DSS

V6.02.000

Dahua Video Management System

# New functions

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- Heat map
- Support switching to daylight saving time (DST) automatically according to time zone.
- DSS Clients can search and playback when platforms, devices, and DSS Client are in different time zones.
- Support fisheye calibration in playback.

- Configure system added “Quick Guide”to simplify deployment operations.
- Optimize configuration of LAN/WAN, unify the related items of LAN/WAN.
- Optimize distributed server management, unify the distributed server management from admin web to Config System, and Optimize Interface operation interaction.
- Unify the operation status of distributed server and maintenance of the equipment on ‘Statistic’.
- Optimize the mail service configuration, add mail send test function.
- Support Dahua configtool 3.21 version searching and upgrade the DSS. Don’t be worried if you forget the DSS IP.
- Restoring default on CONFIG SYSTEM could Clear system configuration. Don’t need to log in the background using the command to delete manually.
- Solve the problem that the system show domestic model of A&C and Alarm Controller

- Occur program error in Equipment management, alarm scheme, access control, authority management and video binding interface of 6.01 version
- Alarm video can't be link to output to the wall.
- If change IP and restart machine of software version ,the web will be not accessed.
- Electronic map raster - add hot zone then add and open video channel, enter hot zone, however, hot zone can't be entered again if you exit from it.
- The Superior client can't receive the alarm of the Subordinate device.
- Onvif equipment can't be online.
- Configure alarm scheme, DVR and NVR devices trigger external alarm, however platform has no response.
- Remove the model limit for Alarm Controller and A&C to support overseas model.

- When modify the web port changes 80 to 801 of Superior server, and the subordinates will push alarm info failure.
- Load A&C channel onto electronic map, configure scheme and trigger alarm. the door status is abnormal when alarm disappear.
- The Superior client can not preview the subordinate video successfully.
- When open the door in map or access control module, it will always open the first door.
- Select multiple channels on the map , then delete, the system will prompt failure.
- The software version server can't be shut down.
- Use the nkb1000 to control the TV wall which is decoded by NVD device, the TV wall can not be splitted by '4+mult' mode.

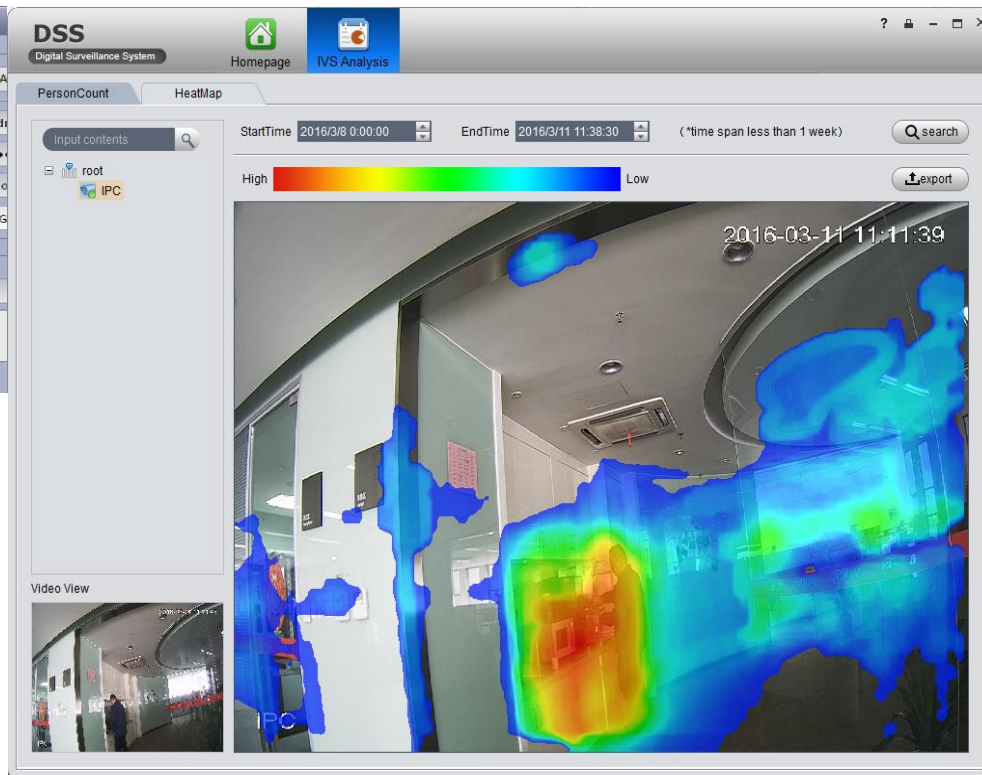
- For the software version, modify the default Network card mode is multiple accesses instead of load balance.
- Administrators add 'https' access options, users can choose whether to enable it, the default is disable.
- Optimize the hot standby of software version.
- Repair the problem that hot standby server can't switch to host.
- Repair 'CheckDisk' page string overlap problem.
- Add the CPU information in HDD detection page of 7016 server, .
- Repair the software version's Config system, solve the problem that web can't be accessed after restarting.
- Repair problem that several MCD servers have the same name to ensure the correct server state.

# Heat Map

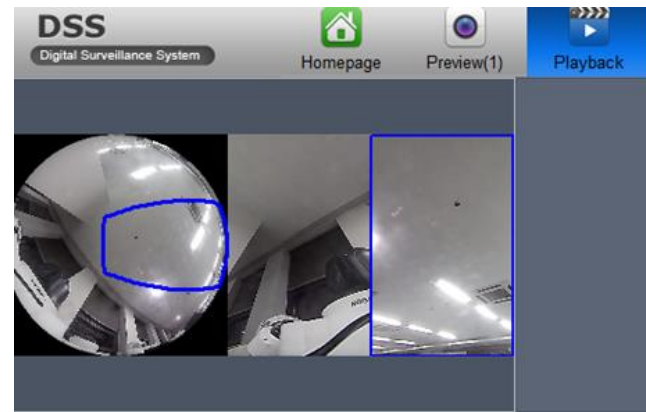
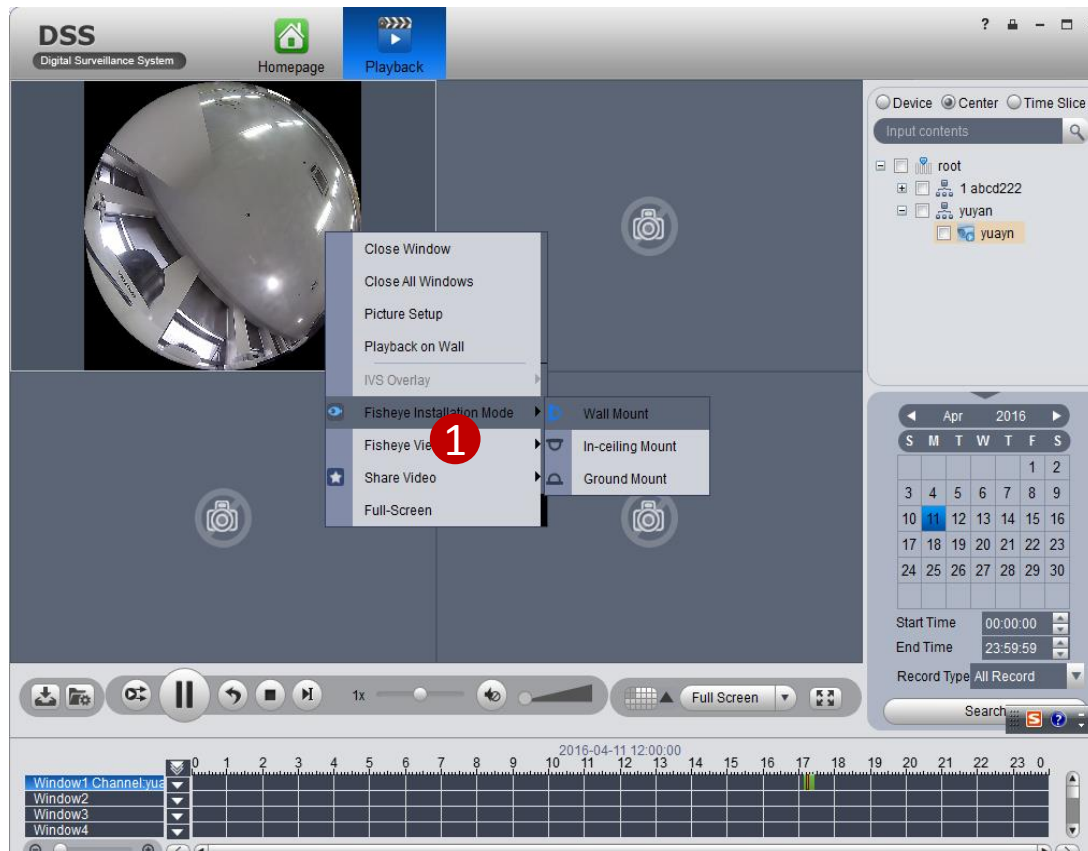
The screenshot shows the 'Add Encoder' web interface. It has two main sections: 'Input Info' and 'Device Details'. In the 'Input Info' section, 'Add Type' is set to 'IP Address', 'Video Server' is 'Center Server', 'IP Address' is empty, and 'Device Port' is '37777'. In the 'Device Details' section, 'Device Name' is empty, and 'Device Type' is set to 'Smart IPC' (highlighted with a red box). Other fields like 'Manufacturer', 'Username', 'Password', 'Org', 'Device SN', and 'Device Memo' are also visible.

1. Select 'Add Smart IPC device', and it is necessary to enable 'Heat Map' on device's web.
2. DSS Client select related time interval and to search.

**Tips:** The heat data of this version are stored in the device which supports one week.



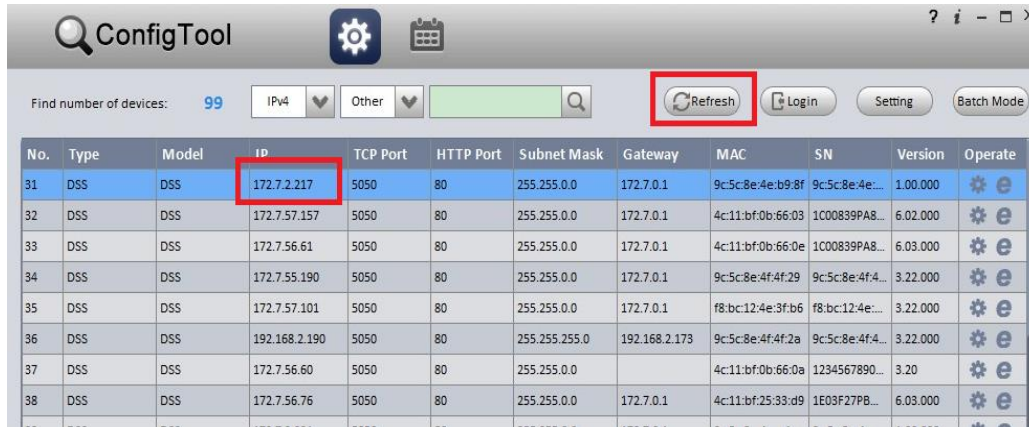
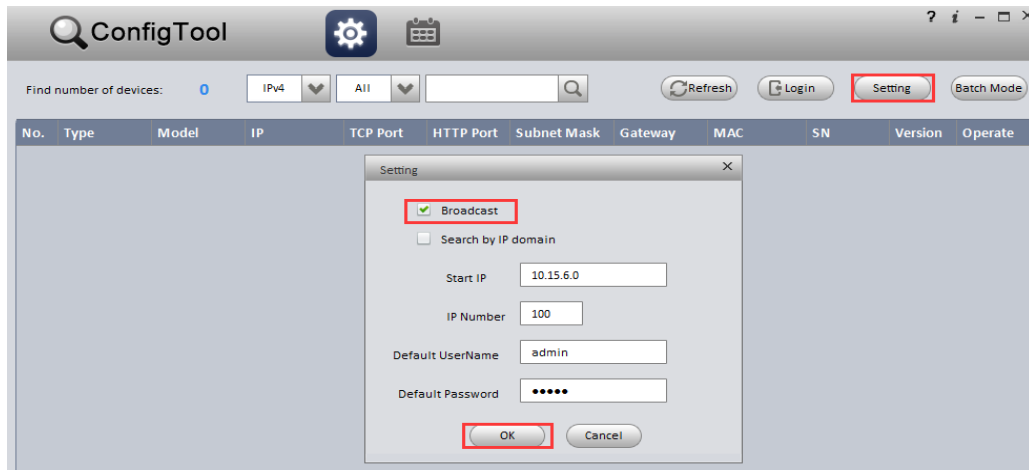
# Fisheye playback



1. You need to select the related installation mode first, and then select the view model to see corrected video.
2. Drag the split frame on the original video can adjust the calibration region, and the calibration video changes along with region.



# Config tool support

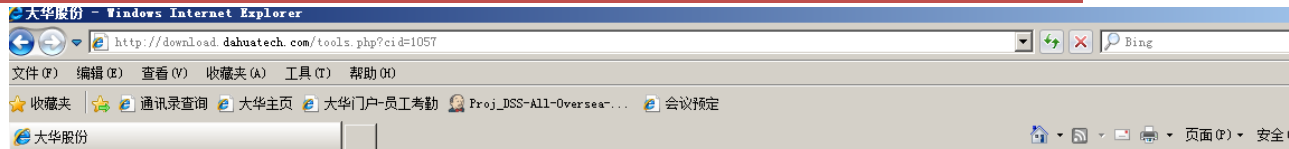


## Application:

1. Forget DSS platform IP.
2. Want to know there are how many DSS devices running and how about the specific information of the server.
3. Upgrade the platform version
4. Jump to admin interface of DSS fastlly.

# Config tool support

Download Address



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工具软件


TOOLS & SOFTWARE



[www.dahuatech.com](http://www.dahuatech.com)

Server support->Download center->Tool software->Configuration management software

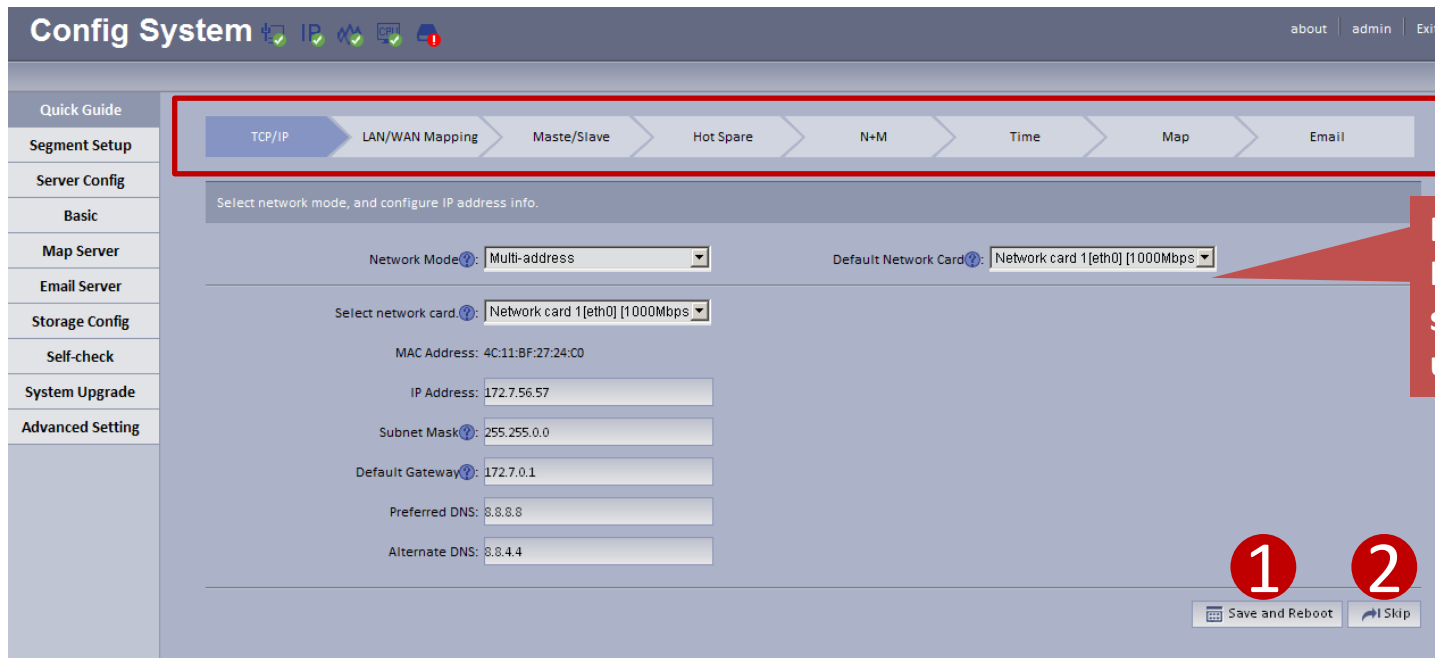
配置管理软件

> ConfigTool_Eng_Win32_V4.00.0		> ConfigTool_中文_Win32_V4.00.0
ConfigTool_Eng_Win32_V3.21.0		> ConfigTool_中文_Win32_V3.21.0
ConfigTool_Eng_Win32_V3.00.0		> ConfigTool_中文_Win32_V3.00.0

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# Config system

Quick guide: IP Configuration. LAN/WAN, Master/Slave, N+M, etc. easy to configure!



The screenshot shows the 'Config System' web interface. The top navigation bar includes 'about', 'admin', and 'Exit'. The left sidebar lists various configuration sections: Quick Guide, Segment Setup, Server Config, Basic, Map Server, Email Server, Storage Config, Self-check, System Upgrade, and Advanced Setting. The main content area is titled 'Select network mode, and configure IP address info.' and contains several configuration fields. A red box highlights the 'Quick Guide' section, which includes 'TCP/IP', 'LAN/WAN Mapping', 'Master/Slave', 'Hot Spare', 'N+M', 'Time', 'Map', and 'Email'. The 'TCP/IP' option is selected. Below this, the 'Network Mode' is set to 'Multi-address' and the 'Default Network Card' is set to 'Network card 1[eth0] [1000Mbps]'. The 'Select network card' dropdown is also set to 'Network card 1[eth0] [1000Mbps]'. The MAC Address is 4C:11:BF:27:24:00. The IP Address is 172.7.56.57, Subnet Mask is 255.255.0.0, and Default Gateway is 172.7.0.1. Preferred DNS is 8.8.8.8 and Alternate DNS is 8.8.4.4. At the bottom right, there are two buttons: 'Save and Reboot' (labeled with a red circle 1) and 'Skip' (labeled with a red circle 2).

Quick Guide

Segment Setup

Server Config

Basic

Map Server

Email Server

Storage Config

Self-check

System Upgrade

Advanced Setting

Quick Guide

TCP/IP

LAN/WAN Mapping

Master/Slave

Hot Spare

N+M

Time

Map

Email

Select network mode, and configure IP address info.

Network Mode: Multi-address

Default Network Card: Network card 1[eth0] [1000Mbps]

Select network card: Network card 1[eth0] [1000Mbps]

MAC Address: 4C:11:BF:27:24:00

IP Address: 172.7.56.57

Subnet Mask: 255.255.0.0

Default Gateway: 172.7.0.1

Preferred DNS: 8.8.8.8

Alternate DNS: 8.8.4.4

1 Save and Reboot

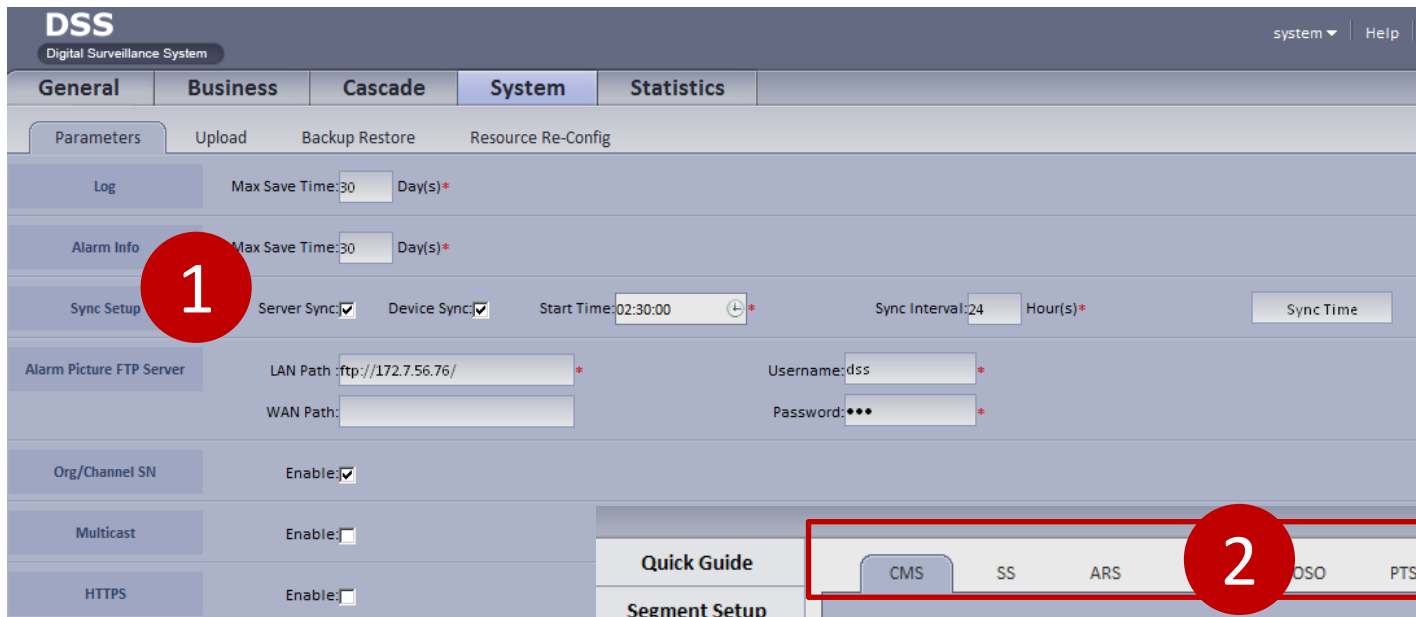
2 Skip

Default card:  
It's better to  
setup 'actually  
use'

- If you do not configure, please Skip.
- It is necessary to restart after modifying the configuration, please click 'Save and Reboot'
- Functions in "Quick Guide" can be configured in other menu separately.

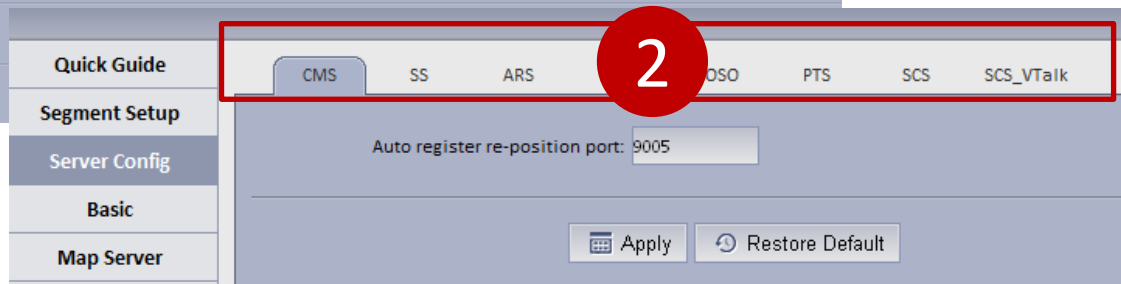
# Config system

## LAN/WAN configuration optimization



1、Move the “LAN/WAN configuration” from administrator to Config system.

2、Simplify the port setting in the “server config”.



# Config system

## LAN/WAN mapping config optimization.



Config System

about admin Exit

Quick Guide

Segment Setup

Server Config

Basic

Map Server

Email Server

Storage Config

Self-check

System Upgrade

Advanced Setting

TCP/IP LAN/WAN Mapping Master/Slave Hot Spare N+M Time Map Email

If the system visits WAN via internal and external mapping of router, then you need to fill in WAN address and port information. If no port mapping, then you do not need to change port setup. If this server is the routers DMZ server, the WEB port should be the same with the Web Inner Port in 'Web Inner Port' of Basic menu.

IP Address: 172.7.56.76 Router Address:

CMS: 9000 DMS: 9200 MTS: 9100 SS: 9320 ADS: 9600

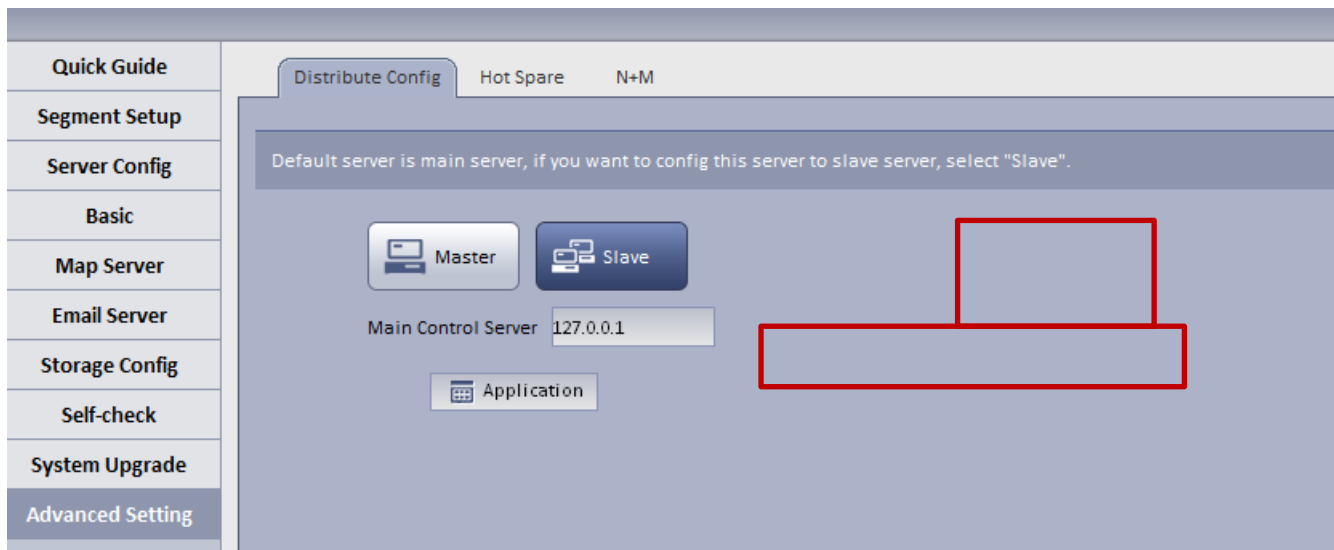
PCS: 9001 PES: 9400 ASC: 9700 MGW: 9090 PTS: 8081

WEB: 80

Previous Step Save and Next Skip

1. When system need LAN and WAN at the same time, you need to configure WAN address and port.
2. 'IP Address' is the server network card which is used actually, 'Router Address' is WAN address.
3. When WAN and LAN access ports are different, you need to do port mapping on router, and then fill WAN port here.
4. When the router uses DMZ mode, all WAN access ports are consistent with LAN accesses ports

## Mode setting



The screenshot shows the 'Mode setting' interface. On the left is a sidebar with navigation options: Quick Guide, Segment Setup, Server Config, Basic, Map Server, Email Server, Storage Config, Self-check, System Upgrade, and Advanced Setting. The 'Server Config' section is active, showing three tabs: 'Distribute Config' (selected), 'Hot Spare', and 'N+M'. Below the tabs, a message states: 'Default server is main server, if you want to config this server to slave server, select "Slave".' There are two buttons: 'Master' and 'Slave'. The 'Master' button is selected. Below these buttons, the 'Main Control Server' field is set to '127.0.0.1'. An 'Application' button is located below the IP field. To the right of the configuration area, there are two red rectangular boxes: a smaller one above a larger one.

- By default, the system uses master server
- If you want to set it to slave server, please register to host and fill in host IP.
- Restart automatically after application, the menu will be changed. The lower left corner will display "Slave" sign.
- You can continue to configure "N+M" and "Hot standby" after use "Master".

# Config system

M+N



快速向导

网段设置

服务配置

基础配置

地图配置

邮箱配置

存储配置

系统自检

系统升级

高级设置

分布式部署 热备 M+N

如果你希望在系统内的从服务器发生异常情况下，保证在此从机上的工作能继续正常进行，请为此从机配置一台冗余服务器。但是首先你需要把系统内的一台或者部分从服务器设置为冗余服务器。

IP	名称	服务器状态	是否启动	服务器种类	操作
172.7.55.202	172.7.55.202	●	<input type="checkbox"/>	备用 归属	<input type="button" value="Edit"/>
172.7.57.252	172.7.57.252	●	<input checked="" type="checkbox"/>	备用 归属	<input type="button" value="Edit"/>

Slave Server

Redundant Server

Edit

Name: 20.2.39.50 IP: 20.2.39.50

Available Alternate Server

Name	Running Status	Server Target	Operation
Root	<input checked="" type="checkbox"/>	172.7.57.252	<input type="button" value="Edit"/>

Selected Alternate Server

Name	Running Status	Server Target	Operation
172.7.57.252	Idle	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Home Server

Name	Main Server Status	Alternate Server Status
20.2.39.50	Running	

- The server state: online, offline, Idle. Redundant server can be used but don't run under idle state.
- Default is running state.
- The type of server include Slave server and redundant server.
- Redundant server: click 'Edit', you can view the information of IP and running state etc.
- Slave serve: click 'Edit', you can view details and configure redundant server.

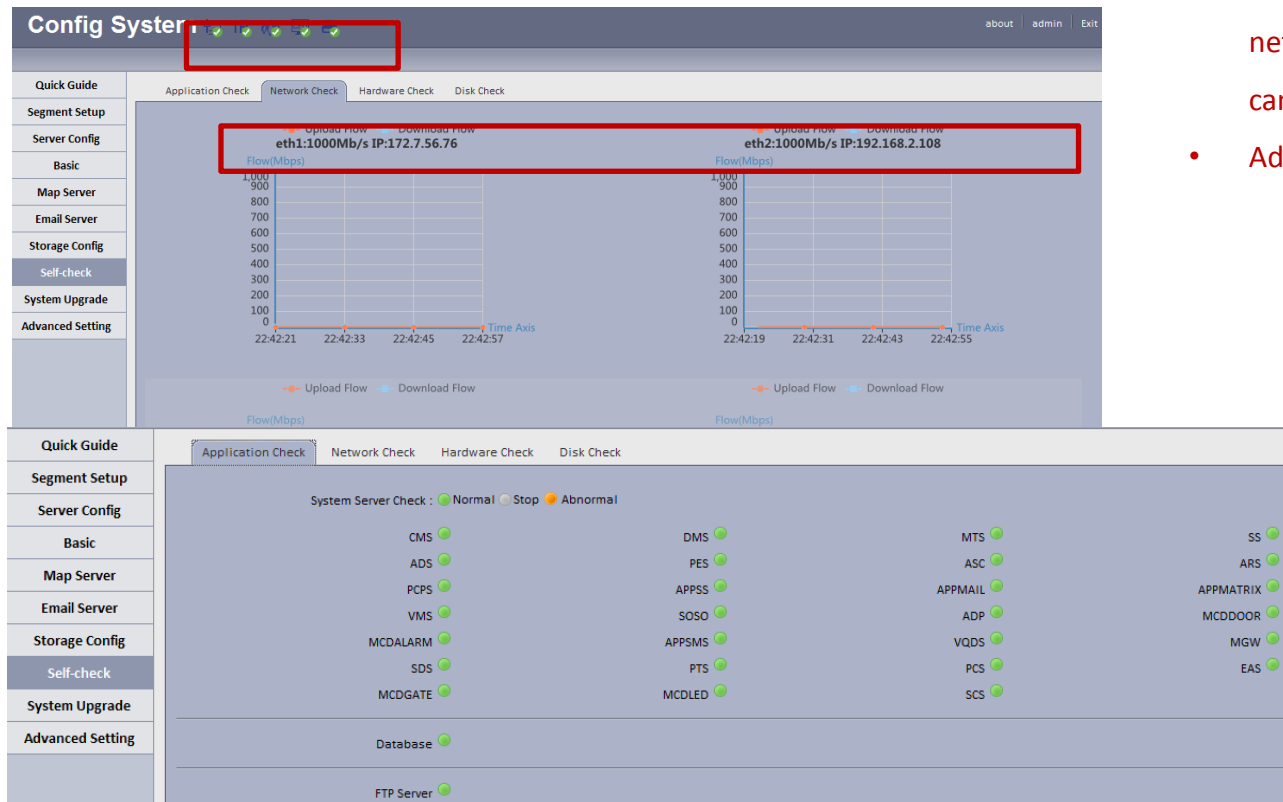
## Time Configuration

Quick Guide	Manage Account	Maintenance	Time Setup	Port Setup	Route Setup	PING Check
Segment Setup	Configure time zone and time, you also can sync time via NTP server.					
Server Config	Time Zone: (UTC+08:00)Beijing, Chongqing, Hong Kong, Urumqi					
Basic	Date/ Time: 2016-04-26 10:32:00 Sync PC					
Map Server	NTP Setup: <input type="checkbox"/> Manual Update					
Email Server	NTP Server: 8.8.8.8					
Storage Config	Update Period: 60 Minute(1~65535)					
Self-check	Apply					
System Upgrade						
Advanced Setting						

- The server will switch to daylight saving time automatically according to time zone.
- Modify the NTP timing interval unit to minute , and the minimum value is 60 minutes.



## Self-Check



- You can view state of server network, HDD, CPU, etc. and you can enter to view detail.
- Add showing network card IP.



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