

General Surveillance Management Centre

Introduction

DSS is a flexible, scalable, high reliable and powerful central management system. Integrating with multiple surveillance systems, DSS provide the central management, information sharing, convenient connection and multi-service cooperation. It is capable of managing devices, live view, storage and playback, alarm linkage, at the same time, DSS also support POS, VDP , ITC, Smart IPC and so on.

Key Components

Server:

Central Management Server (CMS)

Device Management Server (DMS)

Storage Server (SS)

Media Transmission Server (MTS)

Auto Register Server (ARS)

Alarm Delivery Server (ADS)

Client:

PC Client

Web Client

DSS Mobile

Running Environments

Operating System:

- Centos 6.7 64-bit

Hardware

- Memory@8GB
- System Disk@1TB
- Ethernet port@1000Mbps

Browser Version

- IE 8 or above

Smartphone Operation System

- IOS 7.1/ iPhone 5 or above
- Android 4.1/CPU @1GHz, Memory@1GB , or above

Features

High-performance stream media transfer

Support Hot standby, N+M

Support 20 distributes server and 5-level cascade

Process 500-channel alarm per second.

Support unlimited accounts management and 8000 online users and max 500 roles

Support 700M media stream transfer capability

Support 700M storage capability

Support Extend ISCSI IP-SAN storage

Support GIS map(Google, RasterMap)

Support ONVIF standard protocol, Support 100 ONVIF Devices

Support platform SDK

Support POS function

Support VDP and SIP Server

Time Synchronization: Superior->Subordinate, Master->slave, DSS->Device

DSS Client support 4K signal decoding

Support switching to daylight saving time (DST) automatically according to time zone.

Support Heat map, People Count,

Support fisheye calibration in preview and playback.

Main Function

Admin WEB

- Organization Management
 - Create , Modify, Delete Organization
- Device Management
 - Support auto search
 - Support IP, Domain, IP Segment, auto register(for 3G, 4G, DHCP device)
- User authority Management
 - Role Management, set the authority group
 - User Management, it is belong to one or multi roles
- Alarm management
 - Alarm Scheme
 - Linkage: alarm storage, video pop up, Email, TV Wall, alarm out
 - Alarm info: real time alarm info, alarm history info, system alarm info
- Storage
 - Support ISCSI
 - Continuous recording and event triggered recording
 - Custom record schedule
- E-map
 - Google online map
 - Google offline map
 - Raster map

- TV Wall
 - Add and manage the TV Wall
- System maintenance and management
 - Monitor the status of device: online status, alarm status, Channel diagnosis
 - Monitor the status of Servers: online status, alarm status(high temperature, server status change)
 - Video diagnosis: High Brightness\Low Brightness\ Color shift\Contrast\Definition\Video Loss
 - Search, view the system logs

DSS Client

- Live view
 - View real-time video from the cameras
 - PTZ control
 - Manual recording
 - Capture
 - Instant playback
 - Digital zoom
 - Customized layout
 - Fisheye
 - Support devices, POS, Map logic tree
- Playback
 - Playback the records from Device or Center
 - Different types: General, Alarm, Motion, IVS
 - Sync play
 - Drag to any time you want to play through timeline pane. and support zoom in and zoom out.
 - Support Records Mark
 - Support Records Lock
- Alarm Management
 - Display event alarm info including alarm time, alarm name, alarm status, etc.

- View the live video or pictures from related camera
- Acknowledge the event alarm with text description
- Arming control for event alarm
- Clear the alarm manually
- TV Wall
 - Real-time video on wall
 - Alarm TV Wall
- POS Transaction(Add on)
 - POS live view: Display transaction data in preview
 - POS playback: search the transaction data and Play back corresponding video
- People counting statistic(Add on)
 - Statistic the count of enter and exit
 - Search the people counting data via time or region
 - Export
- Video Intercom(Add on)
 - 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 such as advertisements, daily news and delivery notice from control center to indoor monitors
 - 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
- Access control
 - Control the doors: Open door, close door
 - Display the door status
 - View real-time access events and card info
 - Search and view the historical access events
- Alarm host

WEB Client

- Access to the DSS via IP address
- Live view
- Playback
- E-map
- TV WALL

Mobile Client

- Saving login information automatically
 - Login with a simple tap
- Multichannel real-time preview
 - Up to 32 channels preview at the same time
- Bit stream switch of video
 - Main stream/ sub stream, all up to you
- Local snapshot and recording
 - Keep surveillance picture and video, any time and any where
- Remote PTZ control through gesture
 - Focus on specific areas in the live video channel
- Audio talk
 - Make communication more convenience
- Quick/ slow play and rewind of record
 - Multiple ways to playback, grasp every detail
- E-map
 - Support raster map and Gis map, easily get control of cameras
- Direct open of video channel from favorites
 - Add favorites or open video from favorites with a simple tap

Performance Specification

Hardware Server	Test Server	Brand: DELL 630 Memory: 8GB CPU: 2.4GH
User	Num	Support unlimited accounts management and 8000 online users
Multi Address Mode	Device Access Number	500 IP
	Channel Access Number	2000 channels
	Transfer bandwidth	700Mbps
	Storage stream bandwidth	700Mbps
	Alarm	300 times per second
Load Balancing	Device Access Number	500 IP
	Channel Access Number	2000 channels
	Transfer stream bandwidth	1000Mbps
	Storage stream bandwidth	DO NOT SUPPORT
	Alarm	500 times per second
Distribute	Num	Single domain support up to 20
Cascade	Level	5
	Num	one superior can directly manage 60 Subordinate

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*Design and specifications are subject to change without notice.

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