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, Memeory@1GB , or above

Features

➢ Embedded device, 30*24 stable operation

➢ High-performance stream media transfer

➢ Support Hot Spare, N+M

➢ Support 20 distributes server and 5-level cascade

➢ Process 1000-channel alarm per second.

➢ Support unlimited accounts management and 8000 online users

➢ Support 700M transfer capability

➢ Support 700M storage capability

➢ Support Extend IP-SAN storage

➢ Support GIS map(Google, RasterMap）

➢ Support ONVIF standard protocol

➢ Support platform SDK

➢ Support POS function

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

➢ DSS Client support 4K signal decoding

Main Function

1. **WEB**

● **Organization Management**

➢ **Create Organization**

● **Device Management**

➢ Support auto search

➢ Support IP, Domain, IP Segment, auto register(for 3G, 4G, DHCP device)

- **User authority Management**

  ➢ Role Management

  ➢ User Management

- **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

2. DSS Client

- **Live view**

  ➢ View real-time video from the cameras

  ➢ PTZ control

  ➢ Manual recording

- ➤ Capture

- ➤ Instant playback

- ➤ Digital zoom

- ➤ Customized layout

- ➤ Fisheye

● **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

- **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**

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3. WEB Client

- **Access to the DSS via IP address**

- **Live view**

- **Playback**

- **E-map**

- **TV WALL**

4. 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**

DSS

> 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

User	Num	Support unlimited accounts management and 8000 online users
	Test environment	Memory: 8GB CPU: 2.4GH
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	DO NOT SUPPORT

	bandwidth	
	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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