DHI-DSS7016DR

General Surveillance Management Center

Introduction

DSS7016D is an all-in-one server that is composed of Dahua's video management system (VMS), Operating System and hardware. It is easy to deploy and operate.

DSS7016D provides the best level of support while maintaining an easy-to-use interface for operators and technicians. Features include: user rights management, device management, alarm management, center storage, TV wall, 2-way audio talk, access control, video talk, entrance management, alarm controller and other advanced features. Some of the advanced feature support includes: POS Integration with data sync and Intelligent video analysis to aid in event identification (Tripwire, Intrusion, Object Abandonment, Object Missing, People Counting, etc.) and E-Map

Features

System Stability

· Embedded Linux System, C/S Architecture
· Support 7*24 stable operation
· Support distribute and cascade deployment
· Support hot standby for master server
· Support N+M hot standby for slave server

High Compatibility

· All Dahua's devices included: network camera, network speed dome, NVR, DVR, MDVR, ITC, Access control, VDP, Alarm Controller, etc.
· Connect third-party devices via standard ONVIF protocol
· Offer the platform SDK for third-party platform or mobile phone do further development

High Flexibility and Scability

· Up to 20 slave servers can be managed per master server
· Supports up to 5-level cascade
· Supports unlimited accounts management, 200 online users and 100 roles
· Supports 500 IP devices and 2000 channels
· Supports 100 Onvif devices
· Supports 200 IP Access Controls or Alarm Controllers and 500 channels

Powerful Center Storage

· Up to 200TB per server
· Backup record to center storage
· Up to 15 hard disk and ISCSI expand storage
· Supports HDD group modes, different HDD group can be assigned to different camera
· Support Raid 0/1/5/6/10

Main Functions

Devices Management

· Manage the devices and users according to the different organizations

Users & Authorities

· Assign different camera range, active period and business modules for different user

Storage

· Supports backup record
· Supports edge storage
· Supports to a storage disk group allocation for cameras
· Lock and mark the important records for center storage

Alarm

· Set the different scheme for different events (include intelligent video analysis events), record
· Push alarm linkage video to the TV Wall
· Alarm links to email, supports Yahoo,Gmail,Hotmai
· Alarm push to different users of DSS mobile APP

Emap

· Supports E-map(Google, RasterMap)
· Shows different devices icons in e-map(Google, RasterMap)
· Supports alarm flash in E-map

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Live Preview & Playback

· Live view, PTZ control, snapshot, instant playback, customized layout

· Playback the records from the front-end devices or center

· Normal ,Motion, Alarm, IVS and POS playback

· Support up to 16 channels sync playback

· Smart search can find the motion information in assigned region quickly

· Fisheye Dewarping in live preview or playback

· Push the real-time video, playback video to the TV Wall Business

Card Management

· All-in-one card and fingerprint authority management

· Supports card management for access control and VTO

· Supports entrance ITC authorites management for vehicle plate NO. of cardholders

· Supports unlock password

Video Talk

· 2-way video talk between VTO and control center

· 2-way audio call between VTH/SIP phone and control center

· VTH and sip phone group call

· Push notification to VTH

· Transfer video talk request to mobile phone from VTH

· Supports to open the door remotely

Access Control

· Door status monitor

· Open / close the door remotely

· Supports confgigurations of doors

· Works offline

Alarm Controller

· Alarm Controller status monitor

· Arm & Disarm the defence area of alarm controller

· Defence area bypass

· Supports alarm linkage

Entrance Management

· Open barrier automatically by the license plate recognition

· Open the barrier remotely

· ANPR monitor in the DSS client

Mobile

· Supports adding mobile device by WIFI or 3G/4G network

· Supports displaying GPS, speed, direction of mobile device

· Supports showing device's real-time location, playback device's history location

· Supports alarm of over-speed, entering and leaving the E-FENCE

· Supports statistical report of GPS abnormal, over-speed, e-fence, alarm, device state

Business Intelligence

· View and query the POS transaction information, playback the related video

· Supports to export the report of Heat Map and people counting statistics

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Performance Specification

System

Main Processor	Intel Core i5, 64 bits 4 Core Processor
Operating System	Embedded Linux
Memory	8GB DDR3
Motherboard	Embedded Board (support 7×24 operation)
Case	Hot-dipped galvanized sheet steel (1.2mm), High-precise aluminum alloy slide, Patented pull-out rack design
Power Supply	Redundant Power Supply

Interface

Network Port	4 RJ-45 Ports （10/100/1000Mbps）
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
RS232	Reserved
USB	Front panel: 2× USB 2.0, Rear panel: 2 × USB 2.0
HDMI	2 HDMI (one as network config, another as spare)
VGA	1 VGA, as network config

Video Management

Number of Connected Cameras Per Server	500 IP devices and 2000 channels
Onvif Device	100
Auto-Register	500 devices 2000 channels
Mobile DVR Devices	200 IP, 800 channels
Clients Per System	200 Online Users
Numbers of Users	Unlimited
Numbers of Roles	100
Bandwidth of Video Input per Server	700 Mbps
Bandwidth of Video Output per Server	700 Mbps
Alarm Inputs	80 /s (Average), 200/s (Peek)

Storage

HDD Installation	Built-in 1×1T HDD disk (3.5") for system Support 15HDD disks (3.5") for Video or Picture storage (Max support 4T HDD)
Storage	Up to 200TB per server
HDD Mode	Single, Raid 0/1/5/6/10
Bandwidth of Video Storage per Server	700 Mbps

Other

Front Cover	Support Hot-swap 7-inch HD LCD (1920 × 1080 , 1280 × 1024, 1024 × 768)
Power	10W ~ 200W(with HDD)
Working Environment Temperature	0℃ ~ 50℃
Working Environment Humidity	5% ~ 90% (non-condensation)
Storage Environment Temperature	-20℃ ~ +70℃
Storage Environment Humidity	5% ~ 90% (non-condensation)
Working Altitude	-60m ~ 3000m
Weight (Without Package)	20 Kg
Dimension	3U, 526mm×485mm×135mm