DHI-DSS4004

General Surveillance Management Center

Introduction

DSS4004 is an all-in-one server that is composed of Dahua's video management system (VMS), center storage, Operating System and hardware. It is easy to deploy and operate.

DSS4004 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, 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 , 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 server can be managed per master server
· Support up to 5-level cascade
· Support unlimited accounts management, 8000 online users and 500 roles
· Support 100 Onvif devices
· Support Mobile Surveillance functions models via apply the corresponding License

Main Functions

· Manage the devices and users for the different organization
· Assign different camera range, active period and business modules for different user
· Set the different scheme for different events (include intelligent video analysis events), record and view all event history information
· 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
· Lock and mark the important records for center storage
· Smart search can find the motion information in assigned region quickly
· Fisheye Dewarping whether live view or playback
· Push the real-time video, alarm linkage video and playback video to the TV Wall
· Statistic people counting and heat map data, export report
· View and query the POS transaction information, playback the related video
· Support up to 16 channels sync playback
· Support GIS map(Google, RasterMap)
· Support Yahoo、Gmail、Hotamil

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Performance Specification

System

Main Processor	64 bit 4 core CPU
Operating System	Embedded Linux
Memory	4GB
Chassis	1.0mm SGCC steel plate

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
RS485	Reserved(reusable with alarm port)
Alarm input/output	Reserved(reusable with alarm port)
USB Port	Front panel: 2× USB 3.0, Rear panel: 2 × USB 2.0
HDMI	2 HDMI, one as network config, another as spare
VGA	1 VGA, as network config
HDD Installation	Built-in 1× 1T HDD disk (2.5") for system Support 3HDD disks (2.5") for Video &Picture storage

Video Management

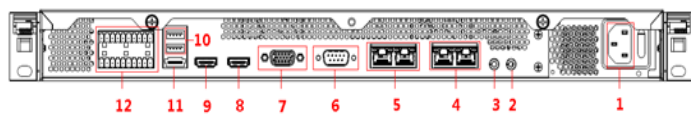|	
Number of Connected Cameras Per Server	1000
Clients Per System	8000 Online Users
Numbers of Users	Unlimited
Numbers of Roles	500
Bandwidth of Video Input per Server	350 Mbps
Bandwidth of Video Output per Server	350 Mbps
Bandwidth of Video Storage per Server	100 Mbps
Alarm Inputs	Process 1000 channel alarm per second

Other

Power	100V ~ 240V, 47 ~ 63Hz
Consumption	35W ~ 50W (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)	4.5Kg
Dimension	1U, 440mm×398.6mm×43.6 mm
Installation Method	Standard 19" rack installation

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Physical Interface

1- Power Button   4- HDD Status
2- USB 3.0   5- Alarm Indicator
3- USB 3.0   6- Network Indicator

1- Power Interface   7- Video VGA Output

2- Audio Output   8- HDMI1

3- Audio Input   9- HDMI2

4- Ethernet Port 1~2   10- USB2.0×2

5- Ethernet Port 3~4   11- eSATA Interface

6- RS232 Interconnects   12- Alarm In & Out

Dimensions (mm)