DHI-DSS7016D-T

General Surveillance Management Center

Introduction

DSS7016D-T 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.

DSS7016D-T 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, and other advanced features. Some of the advanced feature support includes: 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
· Supports 7*24 stable operation
· Supports distribute and cascade deployment
· Supports hot standby for master server
· Supports 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.
· Connects third-party devices via standard ONVIF protocol
· Offers 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
· Supports up to 5-level cascade
· Up to 200TB can be connected via ISCSI per server
· Supports unlimited accounts management, 200 online users and and unlimited users
· Supports 500 devices (80 ANPR devices),2000 channels(80 ANPR channels)

Powerful Center Storage

· ANR technology
· up to 15 hard disk and ISCSI expand storage
· Supports HDD group modes, different HDD group can be assigned to different camera
· Supports Raid 0/1/5/6/10

Main Functions

· Manages the device and user from the different organization
· Assigns different camera range, active period and business modules for different user
· Sets 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 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
· Supports Heat Map
· Supports up to 16 channels sync playback
· Supports Onvif standard protocol connection
· Supports GIS map(Google) and Raster Map
· Supports Yahoo, Gmail, Hotamil

Traffic Module Functions

. Supports vehicle speed recognition

. Supports license plate recognition

. Supports vehicle violation detection

. Supports average iner-spot speed measurement

. Supports blocklist

Video Management

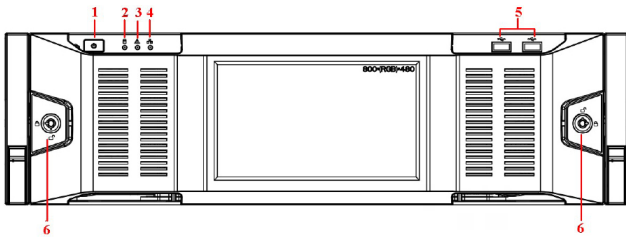| Number of Connected Cameras Per Server	500 devices (80 ANPR devices),2000 channels(80 ANPR channels)
Clients Per System	200 Online Users
Numbers of Users	Unlimited
Numbers of Roles	500
Bandwidth of Video Input per Server	700 Mbps
Bandwidth of Video Output per Server	700 Mbps

Storage

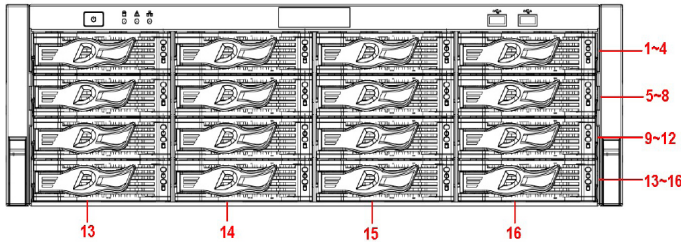| HDD Installation	Built-in 1×1T HDD disk (3.5") for system Support 15HDD disks (3.5") for Video or Picture storage (Max support 4T HDD)
ISCSI	Up to 200TB per server
HDD Mode	Single, Raid 0/1/5/6/10
Bandwidth of Video Storage per Server	700 Mbps

Other

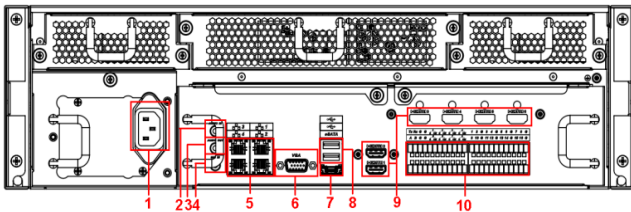| Front Cover	Support Hot-swap 7-inch HD LCD (1920 × 1080 , 1280 × 1024, 1024 × 768)
Power	10W ~ 200W(with HDD)
Working Environment Temperature	0℃ ~ 50℃
Working Environment Humidity	5% ~ 90% (non-condensation)
Storage Environment Temperature	-20℃ ~ +70℃
Storage Environment Humidity	5% ~ 90% (non-condensation)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

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	Single 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

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Physical Interface

1- Power Button
3- Alarm Indicator light
5- USB 2.0

2- System HDD Indicator Light
4- Net Indicator Light
6- Front Panel Lock

1 System HDD

2-16 Storage HDD

1- Power Interface
2- Audio Iput(Reserved)
3- Audio Output(Reserved)
4- Bidirectional talk input(Reserved)
5- Network Interface
6- VGA
7- eSATA Port(Reserved)
8- USB
9- HDMI
10- Alarm input/alarm output/RS485 port

Dimensions (mm)