DHI-DSS4004-T

General Surveillance Management Center

Introduction

DSS4004-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.

DSS4004-T provides the very best level of support while maintaining an easy-to-use interface for operators and technicians. Features include: user rights management, device management, alarm management, central 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
· Supports unlimited accounts management, 50 online users and unlimited users
· Supports 256 devices(20 ANPRdevices), 256 channels

Main Functions

· Manages the devices and users for 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 edge storge
· Supports up to 16 channels sync playback
· Supports GIS map(Google) and Raster Map
· Supports Yahoo, Gmail, Hotmail

Traffic Module Functions

. Supports vehicle speed recognition

. Supports license plate recognition

. Supports vehicle violation detection

. Supports average iner-spot speed measurement

. Supports blocklist

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

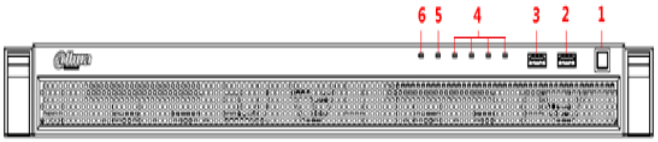
Video Management

Number of Connected Cameras Per Server	256
Clients Per System	50 online users and unlimited users
Numbers of Users	Unlimited
Numbers of Roles	500
Bandwidth of Video Input per Server	300 Mbps
Bandwidth of Video Output per Server	300 Mbps
Bandwidth of Video Storage per Server	100 Mbps

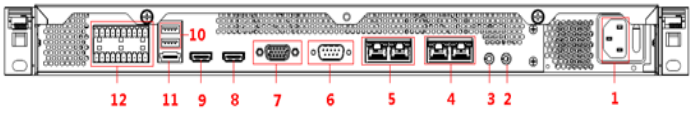
Other

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

Physical Interface

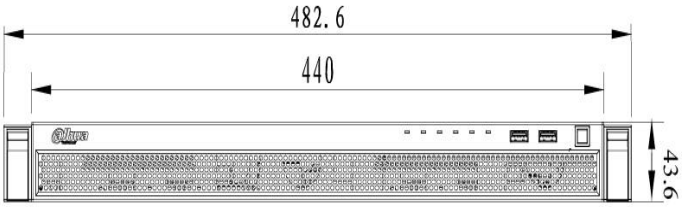


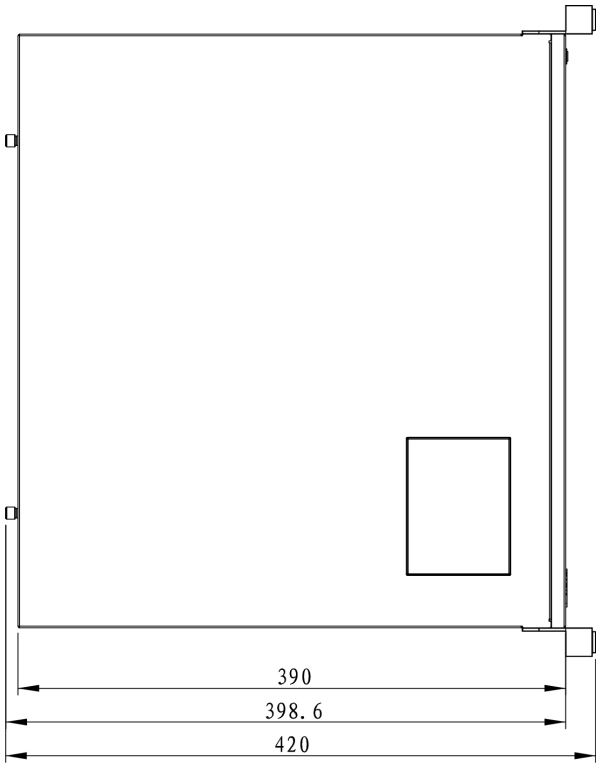
1- Power Button
2- USB 3.0
3- USB 3.0
4- HDD Status
5- Alarm Indicator
6- Network Indicator



1- Power Interface
2- Audio Output
3- Audio Input
4- Ethernet Port 1~2
5- Ethernet Port 3~4
6- RS232 Interconnects
7- Video VGA Output
8- HDMI1
9- HDMI2
10- USB2.0×2
11- eSATA Interface
12- Alarm In & Out

Dimensions (mm)





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