VS-VM9500-IN Video Management Server Datasheet

Overview

The VS-VM9500-IN video management server is intended for large-scale security surveillance applications. The server provides powerful video management capability based on a new hardware platform with optimized software and hardware integration and is suitable for various large and super large video surveillance systems.

The server features massive device connections, high availability, strong compatibility, provides full support for high-definition videos, and is widely applicable to industries including public security, finance, transportation, power, energy, education, large industrial parks, buildings, healthcare, etc.

Features

Strong centralized management capability

- Supports centralized configuration and service management for all the servers, terminal devices and mainstream IPCs in the system.
- Supports connection of Onvif-compliant front-end devices.
- Support automatic discovery and adding of devices.

Feature-rich live view service

- Supports software and hardware decoding of live video and video sequence, supports hardware decoding of scheduled sequence.
- Supports group display and group sequence in custom window layout.
- Supports video wall, displays a simulated video wall on the client for user operations.
- Supports decoding and digital zoom on the client.
- Supports image stitching to form a panorama.

High-efficiency recording and playback

- Supports efficient and massive service storage capability.
- Retrieves and starts playback in seconds, searches several months' video within seconds.
- Supports playback of high-definition and standard-definition videos on video wall.
- Supports recording retrieval.
- Supports continuous playback of discontinuous video clips.
- Supports instant playback and multi-channel synchronous playback.
- Supports slice playback, allows user to look for recording information by browsing images.
- Supports N+M storage backup, switches to a remote standby storage in case the primary storage fails.

Powerful alarm management mechanism

- Supports custom alarm types and alarm levels.
- Supports custom emergency plan, allows emergency plans to be triggered manually or by alarm.
- Supports alarm subscription from different devices and of different types for different users.
- Supports different alarms from storage devices and terminal devices, quickly alerts users to device abnormality.
- Supports a variety of service alarms such as video loss, motion detection, alarm input, storage failure, etc.
- Supports alarm triggered actions including live video (software and hardware decoding), PTZ, storage, alarm output, backup, email, and emergency plan.
- Supports connection of 3rd-party alarm devices and alarm-triggered actions.
- Supports alarm subscription, renewal and cancellation between different levels of domains.

Flexible PTZ control

- Supports PTZ control, preemption, and presets.
- Supports patrol route and patrol plan.
- Supports common PTZ protocols of the security industry.
- Supports drag to zoom.

Highlighted features

- Supports two-way audio and audio broadcast.
- Supports the management of trunks between the platform and devices, between platforms, and provides trunk preemption functionality.
- Collaborates with the map server, supports GIS maps, and supports map-based service operations.
- Allows one client to have multiple screens and supports interaction

among the screens.

- Supports custom window layout.

High availability

- Supports 1+1 hot standby.
- Supports dynamic load balance for stream media server.

Support for the 3rd party

- Provides Software Development Kit (SDK) for the 3rd party to develop custom functionalities.
- Supports alarms and alarm-triggered actions for 3rd-party devices.

All-IP network transmission

- Supports multiple network protocols: TCP, RTSP, UDP, HTTP, IGMP, Telnet, ICMP, DHCP, NTP, SIP, FTP, TFTP.
- Supports NAT traversal.

Standardization

- Establishes and tears down service based on SIP.
- Supports Onvif 1.0, Onvif 2.0, Onvif 2.1, etc.
- Supports standard H.264, MPEG2, MPEG4, MJPEG compression formats.

Specifications

Device Management	Description
Local domain cameras	10,000 channels
Monitors	5000
MS management	64
BM management	256
DA-IS management	64
MD management	64
IPSAN	4096
External domain NVR management	1024
User Management	**Description**
Concurrent online users	3000
Maximum number of users	10000
Hardware Parameters	**Description**
AC power input interface (PSU0)	100-240V AC; 50Hz/60Hz
Expansion power module slot (PSU1)	1 x 300w power module (standard) 1+1 redundancy (optional)
Network interface	GE*3
Serial interface	1 x RS232, 1 x RS232/RS485
USB interface	4
HDD	4TB
RAM	32GB
HDMI	1
VGA	1
Dimensions (W×D×H)	482mm×551mm×87mm/2U
Weight	Standard ≤12kg; maximum ≤14kg
Operating temperature	0°C-40°C (recommended: 10°C-35°C)
Operating humidity	20RH%-80RH% (noncondensing)
Whole-system consumption	Maximum 150W
Client	**Description**
Operating system	Windows 7 pro 32-bit (根据测试情况更新，待确认)
CPU	Intel(R) Core(TM) i7-4790
RAM	4GB, DDR4
HDD	500G, SATA II
Network interface	GE*1
Internet Explorer	IE 8, 32-bit

Order Info

Item	Qty	Remarks
VS-VM9500-IN	1	VS-VM9500-IN-Server(video management server, with surveillance application management module, database management module, single-server installation license, 200-channel camera connection license)-V2-Overseas Version

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