

Enterprise Class VMS Media Gateway



VMS-2000D

VMS-2000D Server is one of the advanced embedded Enterprise Class VMS Media Gateway integrating the eVMS Pro software and hardware together effectively. The VMS-2000D server is a self-adaptive hardware which seamlessly integrates with robust eVMS Pro software.

VMS-2000D completely boost the system's performance with genuine user-friendly GUI. Easy to install and operate.



Features:

- Embedded equipment with Client-Server Architecture
- High-performance media streaming transfer with storage
- Supports distribute and cascade deployment and best fit for 24 x 7 rugged operation
- Hot standby & local storage as well as IP-SAN storage
- GIS map (Google, Raster Map) support
- Supports ONVIF standard protocol
- Front panel displays for system service status
- Heat Map, fisheye calibration in playback
- Set up the devices, such as IP Cameras, NVR, Mobile DVR and so on
- Support POS function & People counting
- Support the Playback video through the video wall

Performance:

- Supports 2000 channels (Supports 500 input devices)
- Supports 100 ONVIF Devices
- Supports 500 devices (Auto-register)
- Unlimited accounts management and 8000 online users & max 500 roles
- Transfer capability of 700M
- 20 distribution server and 5-level cascade
- eMap with a maximum displays of 200 channel on a single screen
- 1000 channel alarm processing per second.
- eVMS Pro Client support 4K signal decoding
- Supports maximum of 300TB storage per storage server



GENERAL SPECIFICATION

Video Management System Media Gateway:

The Video Management System Media Gateway specified is an enterprise-class client/server based IP video security solution that provides seamless management of digital video, audio and data across an IP network.

The VMS Media Gateway Server is an all-in-one server that is composed of WatchNET's video management system (VMS), center storage of device database for effective Video Management Solutions to handle any size of the project, Operating System. It is easy to deploy and operate. VMS Platform Server provides the best level of support while maintaining an easy-to-use interface for operators and technicians with the state-of-the-art software features as follows

1. User Rights Management
2. Device Management
3. Alarm Management
4. Central Storage
5. TV Wall Matrix
6. 2-way audio talk and much more advanced features.
7. Advanced feature support includes: POS Integration with data sync and Intelligent video analysis to aid in event identification (Line Detector Tampering, Intrusion, Object Abandonment, Object Missing, People Counting, etc.) and eMap etc....

Solid Stability & best Architecture:

1. Embedded Linux System
2. Client-Server Architecture
3. Support 7*24 stable operation
4. Support distribute and cascade deployment
5. Support hot standby for master server
6. Support N+M hot standby for slave server High Compatibility

System Scalability:

The VMS Media Gateway Server shall be with high flexibility & scalability:

1. The VMS Platform Server Shall be capable of connecting up to 2000 cameras per server
2. Up to 20 slave server can be managed per master server
3. Support up to 5-level cascade
4. Support unlimited accounts management, 8000 online users and 500 roles
5. Support 100 ONVIF devices
6. Support Mobile Surveillance functions models via apply the corresponding License

Dynamic Central Storage:

1. Automatic Network Replenishment technology
2. Up to 15 hard disk and iSCSI expand storage
3. Support HDD group modes, different HDD group can be assigned to different camera
4. Support RAID 0/1/5/6/10/50/60

Resilient & Flexible Management Feature:

The VMS Media Gateway Server shall be with robust and resilient with the following important features:

1. Manage the devices and users for the different organization
2. Assign different camera range, active period and business modules for different user
3. Set the different scheme for different events (include intelligent video analysis events), record and view all event history information
4. Live view, PTZ control, snapshot, instant playback, customized layout
5. Playback the records from the front end devices or center
6. Normal, Motion, Alarm, IVS and POS playback
7. Lock and mark the important records for center storage
8. Smart search can find the motion information in assigned region quickly
9. Fisheye Dewarping whether live view or playback
10. Push the real-time video, alarm linked video & playback video to the TV Wall
11. Statistic people counting and heat map data, export report
12. Support up to 16 channels sync playback
13. Support GIS Map (Google, Roaster Map)
14. View and query the POS transaction information, playback the related video

Model	VMS-2000D	
System	System Processor	Intel Core i5, 64 bits 4 Core Processor
	Operating System	Embedded LINUX OS
	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
	ISCSI	Up to 200TB per server
	RAID Support	Single, Raid 0/1/5/6/10/50/60
	USB Port	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 configuration
	HDD Installation	Built-in 1×1T HDD disk (3.5") for system Support 15HDD disks (3.5") for Video or Picture storage (Max support 6TB HDD)
	Video Management	Number of Connected Cameras Per Server
Clients Per System		8000 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
Bandwidth of Video Storage per Server		100 Mbps
Alarm Inputs		Process 1000 channel alarm per second
Other	Power Consumption	10W~200W (With HDD)
	Front Cover	Support Hot-swap 7-inch HD LCD (1920 × 1080 , 1280 × 1024, 1024 × 768)
	Working Environment Temperature	0°C ~ +50°C / 32°F ~ +122°F
	Working Environment Humidity	5% ~ 90% (non-condensation)
	Storage Environment Temperature	-20°C ~ +70°C / -4°F ~ +158°F
	Storage Environment Humidity	5% ~ 90% (non-condensation)
	Working Altitude	-60m ~ 3000m
	Weight	20kg / 44.1lb
	Dimension	3U, 526mm x 485mm x 135mm / 20.7" x 9.1" x 5.31"

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