

# Vanguard Central Management Application

*Guardian+ VMS/CMS*



Vanguard Guardian +VMS is a flexible, scalable, high reliable and powerful central management system. Client/Server Architecture, Integrating with multiple surveillance systems. Vanguard VMS provides the central management, information sharing, convenient connection and multi-service cooperation. It is capable of user permission management, device management, alarm management, central storage, video wall, Map and other advanced features, which includes Business Intelligence.

The Server includes the following: Central Management Service · Device Management Service, Storage Service Media Transmission Service, Auto Register Service, Alarm Dispatch Service.

The Vanguard Guardian +VMS connect third party devices via standard ONVIF protocol



## Vanguard Guardian+ VMS/CMS

### Recommended Server Hardware

Main Processor/Memory /Disk	E5-2640 v3@2.60GHz 8 Core Processor/16GB/2TB
Ethernet Ports	4x1000 Mbps – Operating System: Windows 7 Ultimate/Windows 10 Ent./ Windows Server 2008 R2 Standard

### Recommended Client PC

Main Processor/Memory/Disk/ Video card/Ethernet	E3-1220 v5@2.60GHz 4 Core Processor or Higher/8GB/1T B NVIDIA Geo Force GT730/1 x1000Mbps- Operating System: Windows 7 /Windows 8.1/ Windows 10
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### Browser

Browser Version	Internet Explorer 9/10/11 – Chrome - Firefox
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### Parameters

Organization/Roles/Users	10 Hierarchies, 999 organization per Hierarchy/100 Roles/200 online unlimited users
Devices/cannels	Up to 5000 devices/20000 channels
Video Input/output	600Mbps/600Mbps
Playback/Storage/ Download	100Mbps/600Mbps Maximum storage capacity 200TB /up to 5 Tasks per User
Alarms	80 Alarms per sec. without Picture /5 Alarms per Sec. with Picture

### Device Management

Device Management	Add the devices via auto search, IP, Domain, IP Segment, auto register (for 3G, 4G, DHCP device). Through the ONVIF protocol to add third-party devices to manage
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### Role Management

Role Management	Add, edit and delete the roles and users. Assign different roles with different permissions. User can be assigned with the roles to obtain the corresponding permissions. User can be limited by the MAC and expiry data. User has PTZ permission. User can be locked. Support import domain user and assign roles to the user
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### Event Management

Event Management	Detect the device exception, video events, alarm input and alarm host. Alarm Scheme: all day template, Weekday template, Weekend template and custom template. Alarm Priority: Low, Medium, High. Linkage: Record, Snapshot, Live video, Alarm output, PTZ, Video wall, E-mail. Add, edit, delete, enable and disable alarm scheme. Display event alarm info including alarm time, alarm name, alarm status, etc. View the live video or pictures from related camera. Acknowledge the event alarm. Arming control for event alarm. Forward the alarm to relevant user. Send alarm e-mail. Process the alarm
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### Playback

Playback	Playback the record from the front-end devices or central storage. Video filter: Normal, motion, alarm, video loss, tampering video. Sync play. Reverse playback. Slow and fast forward. Playback frame-by-frame. Timeline zoom in and zoom out. Locate the record through timeline: drag to any time you want to play through timeline. Lock and mark the important record for central storage. Download the assigned records, support AVI and DAV format. Decode the video to Video Wall.
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MAP	
MAP	<p>Google online map, Google offline map, Raster map· Main map and sub maps. Up to 8-level sub map. Add, edit and delete the hot zone on the map. Add, edit and delete the hot spots (camera, alarm input) on the map.</p> <p>View the live video and playback on the map· Zoom in and zoom out the map· Decode the video to Video Wall quickly· Support to calculate the area or length for GIS map· Support visible range and initial angle. Channel flash on map when alarm is occurring.</p>
Live View	
Live View	<p>Display device tree. Show/hide offline device. Display the device IP address or device name on the device tree· View real-time video. Common layout and custom layout· PTZ control · Manual recording· Snapshot· Instant playback· Digital zoom· Fisheye de warping Fisheye and speed dome smart tracking· Audio talk· Set alarm window. Decode the video to video wall quickly· Turn on/off the audio in live view· Region of Interest: Divide one window into 4 or 6 parts, one shows whole image, others show the detail. Display raster map in Live View· Save the current live view as a view. Max support 4 Live View tabs. Support adding channel to favorite· Video Tour by device, Org, Favorite, View. Fast switch to playback. Support NKB to control on Live View</p>
Video Wall	
Video Wall	<p>Decode the real-time video to wall· Decode the playback video to the Video Wall by decoder or matrix. Manually/automatically decode to wall. Control the Video Wall split· Change the stream type of video channel. Adding box, on/off screen and back display. Tour the video channel· Schedule plan: Set the running task on timeline. Tour plan: Loop different task, can set loop time</p>
Storage	
Storage	<p>Central storage: Extend storage through ISCSI. Add, edit, delete, enable and disable the record plan. Support edge storage and central storage for record plan. Backup the video from the front-end, NVR, DVR and etc. by schedule - Download Center: Download record from central storage or device. Download record by timeline files or tags. Support multi-task download. Support DAV and AVI format.</p>
Statistics	
Statistics	<p>Overview and detail system information. Running status: CPU, Storage, and Bandwidth. Online information of Service, Device and User, Device Health Report. Event information statistics: total events and processed events. Source Information: Video channel, alarm channel.</p>
Log Management	
Log Management	<p>System log, web manager log, control client log. Search and export log.</p>

