

VMS Enterprise

Enterprise Video Management Software



- Support for more than thousand IP camera models
- iOS, Android, web, and remote client applications
- Real-time video analytics & smart Investigation
- Advanced thumbnail search & event-based archive search
- Enhanced mapping feature & in-view HTML overlay
- Fisheye de-warp, PAP, and 2-way audio supported
- Seamless integration with leading access control systems and iSCSI storage

Surveon Video Management Solution provides users intuitive and powerful monitoring and investigative tools to increase security coverage and responsiveness, providing the active surveillance solution as well as increased security management efficiency.

VMS Specifications

Live View	<ul style="list-style-type: none"> • Real-time network camera discovery • Versatile views of various screen divisions • HTML and image overlays • Multiple views supported • View patrolling for single or multiple views • Real time video/event alarm display • Instant playback • Video clip bookmarking • Support 3 installation modes and 5 different fisheye Dewarp display modes • Support PAP (picture in picture) Display • Support 2 way audio 	Video Intelligence	<ul style="list-style-type: none"> • General motion detection • Camera motion detection • Missing object detection • Foreign object detection • Intrusion detection • Forbidden area detection • Tampering detection • Virtual fence • Object counting • Tailgating detection • Go Out detection
eMAP	<ul style="list-style-type: none"> • Drag-n-drop camera manipulation • Directional camera display • Hierarchical map structure • Real time event alert • Instant live video of camera • Multiple layer maps supported 	Recording Policy	<ul style="list-style-type: none"> • Supports up to 64 channels megapixel recording • Continuous recording • Manual recording • Event-driven recording along with rules • Scheduled recording on daily or weekday basis • Post alarm recording 5-45 minutes • Pre-alarm recording 5-45 minutes
PTZ	<ul style="list-style-type: none"> • Pan, tilt, zoom operations (dependent of camera) • Built-in, floating PTZ control panel • Preset position (dependent of camera) • Scheduled or continuous camera patrolling • Event-driven camera patrolling • Support on Screen PTZ with 8 directional virtual control pad • Support CH Products USB joystick 	Rule Manager	<ul style="list-style-type: none"> • Conditional recording/alert/notification • Email, FTP, SMS, popup window, PTZ, VI Panel, Relay output notifications • Sound, alarm, round-the-clock alerts
I/O	<ul style="list-style-type: none"> • Digital I/O management • Support Ethernet I/O device 	Remote Management	Full functional operation & management via VMS Client
Multiple Displays	<ul style="list-style-type: none"> • Up to 8 monitors • Supports live view, playback, eMap functions • Direct display to secondary monitor(s) 	Remote Client	• Web Client • iPhone client • Android Client
Investigation	<ul style="list-style-type: none"> • Search by date, time, camera • Search by pre-defined recent time • Search by VI event combinations • Search over multiple days • Search over multiple cameras • Frame by frame / Key frame modes playback • Video clip bookmarking and commenting • Different color display on recorded data date • Search via built-in VI analyzer • Customizable bookmark • Intuitive, video thumbnail search results • Cue-in, cue-out and repeat • Quick playback by video thumbnail • 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop • AVI-formatted video clip export • 4-channel synchronized playback • 5 different time interval scroll bar drag and drop playback • Support full screen playback mode • Support 3 installation modes and 5 different Fisheye Dewarp playback display modes 	3rd Party IPCAM	ACTi, Arecont Vision, Asoni, AVTECH, AXIS, Bosch, Brickcom, Dahua, D-Link, Dynacolor, EDIMAX, EverFocus, Hikvision, IQinvision, Lilin, Messoa, Mobotix, Panasonic, Samsung, Shany, SIMON, SONY, Sunell, Vivotek
Instant Playback	<ul style="list-style-type: none"> • Supported in video alarm, event alarm, view functions • Pre-defined playback durations • Video clip bookmarking 	Storage Expansion	<ul style="list-style-type: none"> • Supports Infortrend RAID storage • Built-in RAID storage management
		General & Misc.	<ul style="list-style-type: none"> • Image enhancement • Video privacy mask • Digital zoom in, zoom out • Log viewer, log export mechanism • System lockup • Client auto login • Automatic storage recycling • Client-server architecture • Customized authority account management • Customizable appearance of Surveon logo • Configurable video retention period • Digital watermark proofing • Support DDNS Function • Support NTP Server synchronized • Support Virtual keyboard • Provide System and VI setup Help assistance • Support Customized Event management and log mechanism
		Language	<ul style="list-style-type: none"> • Multiple Language supported on VMS and Web Client: English, French, German, Portuguese, Spanish, Simple Chinese, Traditional Chinese, Italian, Japanese, Russian, Slovak, Czech, Dutch and Polish

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Client - Server Architecture

With client-server architecture, Surveon Professional VMS excels in simple standalone model

Powerful Investigative Modes

In addition to the standard date-time search and instant playback, Surveon VMS also supports multi-event and video intelligent searches. These powerful search modes increase investigative effectiveness and efficiency.

Active Alarm and Event Handling

Surveon VMS allows users instant playback functions from live video feeds and alarm notifications. These video clips can be bookmarked and archived for further investigation, providing users actionable event monitoring.

Multiple Display Options

Surveon VMS supports up to 8 monitors that can be easily configured to display combinations of live video, eMAP, investigation or HTML content to meet customer's requirements.

Ordering Information

Part Number	Description
ZVMS1CH-0010	VMS Enterprise with 1CH software license
ZVMS4CH-0010	VMS Enterprise with 4CH software license
ZVMS8CH-0010	VMS Enterprise with 8CH software license
ZVMS16CH-0010	VMS Enterprise with 16CH software license
ZVMS32CH-0010	VMS Enterprise with 32CH software license

Frame Rate Reference

Resolution	Support Cameras	Total FPS
D1/VGA	Up to 64	Up to 1920 FPS
1.3 Megapixel	Up to 64	Up to 960 FPS
2.0 Megapixel	Up to 64	Up to 960 FPS
3.0 Megapixel	Up to 64	Up to 960 FPS
5.0 Megapixel or above	Up to 64	Up to 640 FPS

Hardware Requirements

	>32CH	16~32CH	<16CH	
VMS Server + Client	OS			
	64-bit : Windows 7 SP1 Professional/Enterprise/Ultimate 64-bit : Windows 8 Pro/Enterprise 64-bit : Windows 8.1 Pro/Enterprise 64-bit : Windows 10 Pro/Enterprise			
	Software			
	Microsoft® .Net Framework 4.0 or above Requires Operating System and Graphic Card support for DirectX 9.0 or above			
	CPU	Intel Core i7 Quad-core or above	Intel Core i7 Quad-core or above	Intel Core i5 Quad-core or above
	Memory	8GB or above		4GB or above
Display	nVidia Geforce GTX660 2GB or above			
HDD	OS: RAID 1 Video: RAID 6 (Min. random write throughput 60MBps)	OS: RAID 1 Video: RAID 5 (Min. random write throughput 30MBps)	JBOD (Min. random write throughput 15MBps)	
	Network			
	1 Gbps or above			
Remote Client	OS			
	Same as above			
	Software			
	Same as above			
	CPU	Intel Core i7 Quad-core or above	Intel Core i7 Quad-core or above	Intel Core i5 Quad-core or above
	Memory	8GB or above		4GB or above
Display	nVidia Geforce GTX660 2GB or above			
HDD	SATA 7200 RPM, 500 GB or above			
Network	1 Gbps or above			
VMS Server Only	OS			
	Same as above			
	Software			
	Same as above			
	CPU	Intel Core i3 Dual Core or above		
	Memory	4 GB or above		
Display	On board (generic) 256MB or above			
HDD	OS: RAID 1 Video: RAID 6 (Min. random write throughput 60MBps)	OS: RAID 1 Video: RAID 5 (Min. random write throughput 30MBps)	JBOD (Min. random write throughput 15MBps)	
	Network			
	1 Gbps or above			