



- Support up to 32 CH Surveon IP cameras
- Active alarm & event handling
- Advanced multi-layer eMap & in-view HTML overlay
- User privilege & user group management
- Fisheye de-warp, PAP, 2-way audio supported
- iOS, Android mobile clients supported
- Maximum 8 display supported
- Multi-language supported

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"> <li>• Real-time network camera discovery</li> <li>• Versatile views of various screen divisions</li> <li>• HTML and image overlays</li> <li>• Multiple views supported</li> <li>• View patrolling for single or multiple views</li> <li>• Real time video/event alarm display</li> <li>• Instant playback</li> <li>• Video clip bookmarking</li> <li>• Support 3 installation modes and 5 different fisheye Dewarp display modes</li> <li>• Support PAP(picture in picture) Display</li> <li>• Support 2 way audio</li> </ul>	Investigation	<ul style="list-style-type: none"> <li>• Support full screen playback mode</li> <li>• Support 3 installation mode and 5 different Fisheye Dewarp playback display modes</li> </ul>
eMAP	<ul style="list-style-type: none"> <li>• Drag-n-drop camera manipulation</li> <li>• Directional camera display</li> <li>• Hierarchical map structure</li> <li>• Real time event alert</li> <li>• Instant live video of camera</li> <li>• Multiple maps supported</li> </ul>	Instant Playback	<ul style="list-style-type: none"> <li>• Supported in video alarm, event alarm, view functions</li> <li>• Pre-defined playback durations</li> <li>• Video clip bookmarking</li> </ul>
PTZ	<ul style="list-style-type: none"> <li>• Pan, tilt, zoom operations (dependent of camera)</li> <li>• Built-in, floating PTZ control panel</li> <li>• Preset position (dependent of camera)</li> <li>• Scheduled or continuous camera patrolling</li> <li>• Event-driven camera patrolling</li> <li>• Support on Screen PTZ with 8 directional virtual control pad</li> <li>• Support CH Products USB joystick</li> </ul>	General & Misc.	<ul style="list-style-type: none"> <li>• Image enhancement</li> <li>• Video privacy mask</li> <li>• Digital zoom in, zoom out</li> <li>• Log viewer, log export mechanism</li> <li>• Windows lockup</li> <li>• Client auto login</li> <li>• Automatic storage recycling</li> <li>• Client-server architecture</li> <li>• Customized authority account management</li> <li>• Customizable appearance of Surveon logo</li> <li>• Supports up to 32 channels megapixel recording</li> <li>• Configurable video retention period</li> <li>• Digital watermark proofing</li> <li>• Support DDNS Function</li> <li>• Support NTP Server synchronized</li> <li>• Support Virtual keyboard</li> </ul>
I/O	<ul style="list-style-type: none"> <li>• Digital I/O management</li> <li>• Support Ethernet I/O device</li> </ul>	Language	<ul style="list-style-type: none"> <li>• 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</li> </ul>
Multiple Displays	<ul style="list-style-type: none"> <li>• Up to 8 monitors</li> <li>• Supports live view, playback, eMap functions</li> <li>• Direct display to secondary monitor(s)</li> </ul>		
Investigation	<ul style="list-style-type: none"> <li>• Search by date, time, camera</li> <li>• Search by pre-defined recent time</li> <li>• Search over multiple days</li> <li>• Search over multiple cameras</li> <li>• Frame by frame / Key frame modes playback</li> <li>• Video clip bookmarking and commenting</li> <li>• Different color display on recorded data date</li> <li>• Customizable bookmark</li> <li>• Intuitive, video thumbnail search results</li> <li>• Cue-in, cue-out and repeat</li> <li>• Quick playback by video thumbnail</li> <li>• 1/8, 1/4, 1/2, 1x, 2x, 4x, 8x play, pause, stop</li> <li>• AVI-formatted video clip export</li> <li>• 4-channel synchronized playback</li> <li>• 5 different time interval scroll bar drag and drop playback</li> </ul>		

## 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

### Hardware Requirements

	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 i5 Quad-core or above
	Memory	4 GB or above	
	Display	nVidia Geforce GTX660 2GB or above	
	HDD	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 i5 Quad-core or above
	Memory	4 GB or above	
	Display	nVidia Geforce GTX660 2GB or above	
	HDD	SATA 7200 RPM, 500 GB 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 5 (Min. random write throughput 30MBps)	JBOD (Min. random write throughput 15MBps)
Network	1 Gbps or above		