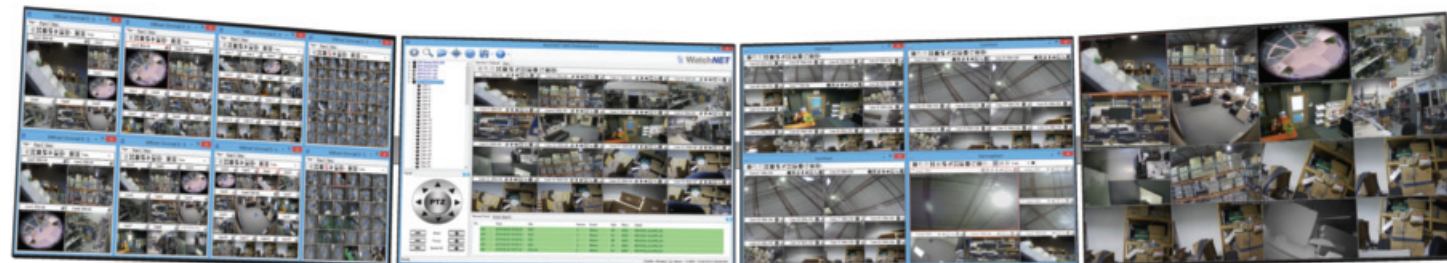


### Ordering information

Part Number	Description
VMS Software	
HD-VMS	VMS Software Platform
HD-VMS-CL	VMS Client Base Module
HD-VMS-CL1	VMS PRO Client, single channel license, for up to 64 channels
HD-VMS-CL2	VMS PRO Client, single channel license, for 64+ channels
HD-VMS-VM	VMS Virtual Matrix Module
HD-VMS-LPR	VMS Base Module for LPR
HD-VMS-LPR1	VMS LPR license per channel
HD-VMS-POS	VMS POS Module
HD-VMS-FD	VMS Face Detection Camera Base Module
HD-VMS-FDC	VMS Face Detection Camera per channel
HD-VMS-AC	VMS Access Control Module
HD-VMS-UPG	VMS Software Upgrade
VMS Hardware	
HD-VMS-SRV	VMS Pro Server
HD-VMS-CLM4	VMS PRO Client for up to 4 monitors (incl. video card)
HD-VMS-CLM6	VMS PRO Client for up to 6 monitors (incl. video card)
VMS-LITE-1	VMS Lite, 1 monitor with 16 ch. display (incl. video card)
VMS-LITE-2	VMS Lite, 2 monitors with 64 ch. display (incl. video card)
VMS-VM	VMS Virtual Matrix (1 Monitor with 64 channel display)
W4100	Video Graphics Card only (4 monitor output, mini DP)
W600	Video Graphics Card only (6 monitor output, mini DP)

### Hardware Requirements

Category	Specification
Operating System	<b>Windows 7, 8, 10</b> Home Basic, Home Premium, Professional, Enterprise, Ultimate <b>Windows Server 2008, 2012</b> 32bit, 64bit platform
Processor	Intel Core i7-3520 or above
Memory	4GB or above
Display	<b>AMD HD-5450</b> or above, 2GB Memory Recommended (for more than 64 channel simultaneous display) <b>nVidia Geforce GT-370</b> Intel HD, 2GB Memory or above
HDD	SATA 7200RPM, 500 GB or above
Network	1GB or above



VMS PRO Virtual Matrix / Multiple Event Popup

VMS PRO Client

Floating Monitoring / Auto Switching

Remote Virtual Matrix Client

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# HD VMS PRO

**A Professional Video Management System that comprises of a powerful software solution that integrates all WatchNET IP, Analog and XVi Cameras, Recorders, Servers and Storage**

WatchNET VMS PRO provides the industry's best HD VMS solution with rich and professional functions for optimum service to the security industry. By centralizing security management and decentralizing security video stream networking, we can achieve unlimited video connection capability and video storage expandability. This provides an architecture of scalability, flexibility and robustness.

#### Our solution provides a vast array of features:

- Supports all WatchNET IP, XVi and Analog cameras, NVRs, and Video Storage devices
- Supports unlimited IP camera connections via multiple VMS Clients
- Supports SQL Database, to centralize security management information
- Versatile live monitoring modes supporting eMap multi-monitor, unlimited floating windows for multiple user views, Event Popup and Auto-Switching
- Support up to 256 Virtual Matrix & Video Notification with decentralized network bandwidth and centralized security management
- Digital PTZ, Digital Zoom and Magnifier for video forensic investigation
- Auto-popup and thumb-nail for snapshot and backup
- System event popup for network disconnect, disk failure, and system down alarms
- Integrates Fish-Eye and Video Analytics cameras
- Supports Video Display Duplication



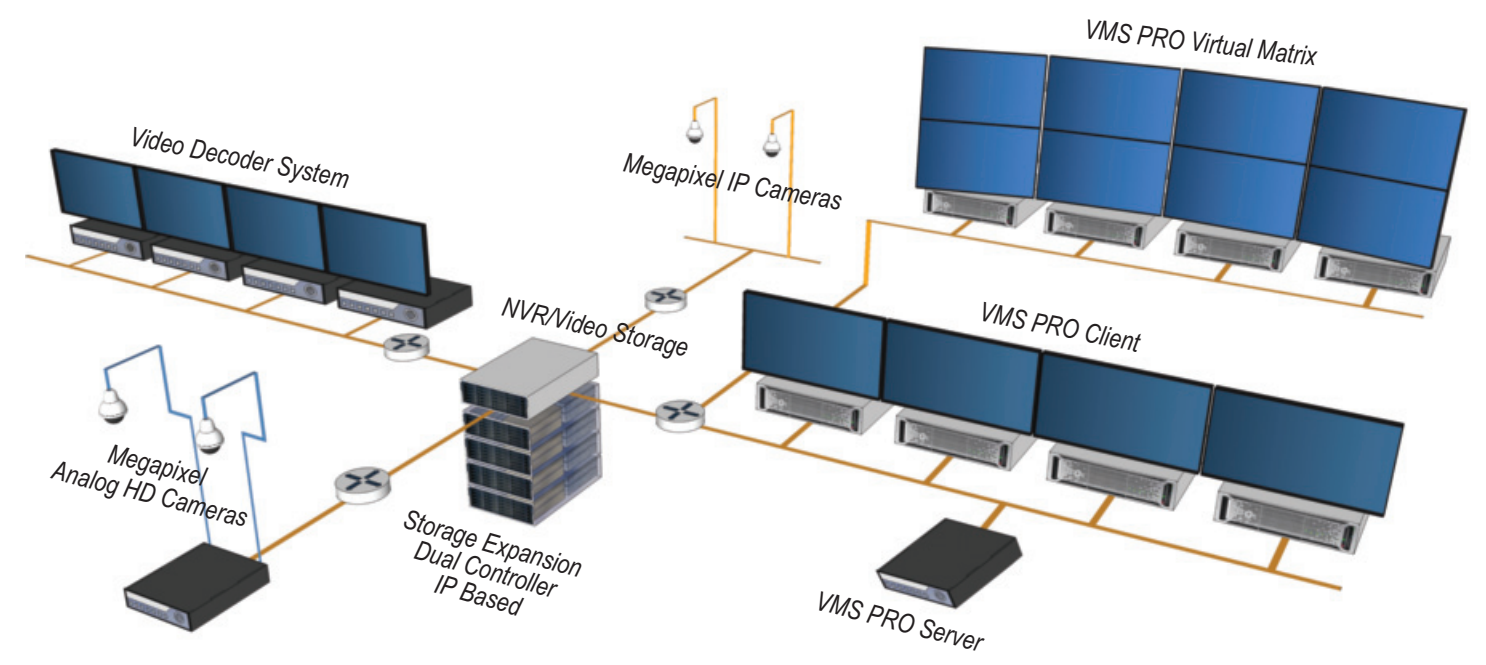


# VMS PRO Specifications:

<b>Configuration</b>	<ul style="list-style-type: none"> <li>• Multiple devices and camera registration</li> <li>• SQL Database support</li> <li>• Database wizard for easy configuration</li> <li>• P2P support</li> <li>• Network discovery for camera, NVR and DVR</li> <li>• Web Client interface for full configuration</li> <li>• Export/Import configuration</li> <li>• Selective camera installation</li> <li>• Multiple groups &amp; users creation</li> <li>• Multiple Privileges by groups or users</li> <li>• Selective device &amp; camera by groups or users</li> <li>• Event action by events with 2 ways popup</li> <li>• Event action for channel popup, email, snapshot, beep and system-wise popup</li> <li>• Critical System Event Notification for Disk, System Reboot and Network Disconnection</li> <li>• Network port configuration</li> <li>• Drag &amp; Drop channel assignment, swapping and copy</li> <li>• On-Screen camera name modification</li> </ul>
<b>Live View</b>	<ul style="list-style-type: none"> <li>• Hardware video acceleration</li> <li>• 4-way Live view modes of Normal, Auto Switching, Event Popup and Virtual Matrix</li> <li>• Up to 64 split per User View</li> <li>• Unlimited User View creation</li> <li>• 1, 4, 6, 9, 10, 13, 16, 25, 36, 49, 64, W6, W12, W15 split layout</li> <li>• Easy channel assignment, swapping and copy with mouse drag &amp; drop</li> <li>• Unlimited Floating User View creation</li> <li>• Multiple tab based User View creation</li> <li>• Switchable original Video Image size</li> <li>• Camera name, device name display</li> <li>• Motion event indicator</li> <li>• Live mode manual snapshot</li> <li>• On-screen PTZ control</li> <li>• Manual Main/Sub-stream switching</li> <li>• Two-way audio</li> <li>• Audio streaming</li> <li>• Digital Zoom</li> <li>• Live video magnifier</li> <li>• Instant playback</li> <li>• Automatic main-stream popup</li> </ul>
<b>Multiple Displays</b>	<ul style="list-style-type: none"> <li>• Unlimited multiple monitors support (depends on system-wide video connection capability with external graphic devices)</li> <li>• Optimal 1, 2, 4 or 6 multiple monitors</li> <li>• Easy deployment for VMS Client, Virtual Matrix console &amp; Client, Auto Switch, Event Popup and Virtual Matrix mode</li> <li>• Save/ Load layout setting</li> </ul>
<b>Multiple User View</b>	<ul style="list-style-type: none"> <li>• Unlimited multiple User Views creation</li> <li>• Easy window deployment for User Views</li> <li>• Versatile layout</li> <li>• Save/ Load layout setting for all User Views</li> <li>• Full function on each User View for Instant Playback, Snapshot, 2-way audio, Digital Zoom, Magnifier and so on</li> </ul>

<b>Auto Switching View</b>	<ul style="list-style-type: none"> <li>• A dedicated Auto-switch User View</li> <li>• Easy deployment to a dedicated multi-monitor with a floating window type</li> <li>• Easy configuration to control Auto-Switch</li> <li>• Full screen/ Floating layout</li> <li>• Save/ Load layout setting</li> </ul>
<b>Event Popup View</b>	<ul style="list-style-type: none"> <li>• A dedicated Event-popup User View</li> <li>• Easy deployment to a dedicated multi-monitor with a floating window type</li> <li>• Automatic channel popup and appending</li> </ul>
<b>Virtual Matrix</b>	<ul style="list-style-type: none"> <li>• Live display in remote systems</li> <li>• Up to 256 Virtual Matrix Client Systems</li> <li>• Unlimited User View for Live mode Switching</li> <li>• Realtime remote control for channel assignment, main/sub-stream, split layout, auto-switch and time interval</li> <li>• Video Notification</li> </ul>
<b>Instant Playback</b>	<ul style="list-style-type: none"> <li>• Playback instantly on the Live view</li> <li>• Pre-defined duration for playback</li> <li>• Random time search on Instant playback</li> <li>• Snapshot, Digital Zoom, Magnifier on Instant Playback</li> </ul>
<b>PTZ</b>	<ul style="list-style-type: none"> <li>• Built-in interface for PTZ operation</li> <li>• On Screen PTZ control on Live view</li> </ul>
<b>Event Search</b>	<ul style="list-style-type: none"> <li>• Multiple devices and camera registration</li> <li>• SQL Database support</li> <li>• Database wizard for easy configuration</li> <li>• Network discovery for camera, NVR and DVR</li> <li>• Web Client interface for full configuration</li> <li>• Export/Import configuration</li> <li>• Selective camera installation</li> <li>• Multiple groups &amp; users creation</li> <li>• Multiple Privileges by groups or users</li> <li>• Selective device &amp; camera by groups or users</li> <li>• Event action by events with 2 ways popup</li> <li>• Event action for channel popup, email, snapshot, beep and system-wise popup</li> <li>• Critical System Event Notification for Disk, System and Reboot and Network Disconnection</li> <li>• Network port configuration</li> </ul>
<b>Remote Playback</b>	<ul style="list-style-type: none"> <li>• Up to 16ch Remote Playback simultaneously</li> <li>• On Screen Control for Playback</li> <li>• Snapshot, Digital Zoom, Magnifier on Playback</li> <li>• Rewind 1 Minute</li> <li>• Frame by Frame playback</li> <li>• Fast/ Slow playback</li> <li>• Main/ Sub-stream selective playback</li> <li>• Download for backup</li> </ul>
<b>Log Viewer</b>	<ul style="list-style-type: none"> <li>• Log for System, Application, User, Database, Network, Device, Etc.</li> <li>• Event time, Category, Description</li> </ul>
<b>User Profile</b>	<ul style="list-style-type: none"> <li>• Save/ Load user configuration including screen layout for versatile User Views</li> <li>• Switch User support</li> </ul>
<b>Digital I/O Control</b>	<ul style="list-style-type: none"> <li>• Digital I/O Control on the device explorer</li> <li>• Manual Alarm On/Off</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>• 2-Way audio</li> <li>• Audio Streaming</li> </ul>

# WatchNET VMS PRO System Topology



## Key Features:

- Optimal for megapixel video processing**
  - Hardware accelerated Video Processing
  - Supports more video channels with less system resource consumption
  - Covers real-time full HD resolution (20fps@1920x1080) for 9ch simultaneously, which is optimal for surveillance
  - Up to 64 channels of simultaneous video display for sub-streams
  - Supporting CIF to 12MP camera resolution
- Scalable network architecture**
  - VMS PRO networking architecture enables decentralized network stream and bandwidth, while centralizing security management. This enables connection of unlimited number of cameras with network storage and recording.
- Unlimited camera connections**
  - VMS PRO will centralize video management into a single or multi-location control system with unlimited quantity of video channels.
- Support enterprise level of storage**
  - Enterprise level of video storage for high-capacity, extreme performance and data retention security, and can support years of recording data.
- Legacy system interoperability**
  - VMS PRO supports all analogue, HD, and IP video solutions and allows for integration with legacy devices and systems.
- Flexible architecture for Video Analytics**
  - The VMS's flexible architecture enables interface with diverse video analytics including built-in edge and 3rd party licensed analytics. (LPR, Face detection/recognition and others)
  - It is suitable for enterprise level project based solutions.