



WatchNET®
SECURITY SINCE 2000

AVMS-PRO
Enterprise Class VMS Solution

WatchNET Inc. Canada

Product Overview

eVMS-PRO is one of the robust Embedded Enterprise Class Video Management Platform application in its class. The command control center software that unifies video, audio, and alarm management functionality into a single resource. Our Video Management Platform supports to capture, manage and store Multi-Megapixel IP and Analog cameras with automated alert notification on-screen (single or multiple consoles) with a video wall support.

WatchNET provides the most comprehensive and cost effective Video Management Platform and surveillance system for centralized and de-centralized environments.

The NEW eVMS-PRO software is more powerful, easier, and - with faster graphical search - it will change the way you look at video surveillance.



System Scalability

Scale your system without limitations

eVMS-PRO is an intuitive and robust Video Management Platform (VMP) like no other. Our VMP supports unlimited camera support, unlimited scalability, client workstations, users with simple integration to legacy systems, centralized administration of the system and more. Add one – or hundreds – of cameras anywhere on the network or across the entire organization regardless of geographic location.

eVMS-PRO is a flexible, scalable, high reliable and powerful central management system. Client-Server Architecture, Integrating with multiple surveillance systems. The software provides the central management, information sharing, convenient connection and multi-service intact performance support within the modules. It has high capability of user rights management, device management, alarm management, center storage, TV wall, 2-way audio talk, and other advanced features and Intelligent video analysis to aid in event identification (Tripwire, Intrusion, Object Abandonment, Object Missing, People Counting, etc.), and eMap.

Why to choose eVMS-PRO

Enterprise VMS features you experience with great outlook at lowest affordable cost

- Wide range of robust features you'd expect to find in an enterprise-level application
- Video Wall, Health Monitor, unlimited clients and users
- Highest RESILIENCE to ensure continuous operation
- Superior Alarm handling with alarm priorities and selectable user group distribution

Flexible with high scalability of VMS without limitations

- eVMS-PRO is an intuitive and robust video management Platform application (VMP) like no other
- Our VMP supports an industry leading number of cameras per server, unlimited scalability, client workstations, users with simple integration to legacy systems, centralized administration of the system and more
- Add One OR Hundreds of cameras anywhere on the network or across the entire organization regardless of geographic location

Lower Total Cost of Ownership (TCO) than any other VMS

- Affordability, flexibility and a simple licensing model are what sets eVMS-PRO standout from the crowd since we provide the most cost-effective enterprise class VMP solution on the market
- With eVMS-PRO, end users receive a perpetual license that includes a wide range of enterprise features



Simple Camera and Server Installation

eVMS-PRO simplifies complex network configurations and setup by identifying cameras on the network – eliminating the complex installation and we provide intuitive GUI.

Camera Navigation

Locate cameras quickly with a facility map on thick, web and mobile clients.

Remote Viewing

Powerful video surveillance features – even when you're on the go. View full resolution live and recorded images from any server on Apple and Android mobile devices with the free eVMS-PRO App. Email full resolution snapshots and view predefined camera layouts.

Motion Detection

Detects and determines changes or movement in an image.

Configurable for Server OR Edge motion detection, eVMS-PRO allows the user to establish the amount of change needed to trigger recording. The Motion Detection feature optimizes disk space by keeping the Server from recording inactivity in a camera's field of view.

System feature

- Embedded Linux based Platform
- Powerful Client-Server software architecture
- High Flexibility and Scalability
- Distributed Network Video Recorder Solution
- Support unlimited accounts management, 8000 online users and 500 roles.
- Support Mobile Surveillance functions models via apply the corresponding license
- High Compatibility
- All WatchNET's devices are compatible which includes Megapixel Cameras, Speed Dome PTZs, NVRs etc.
- eVMS-PRO Client Application supports Windows OS
- Connect third-party devices via standard ONVIF protocol
- Other the platform SDK for third-party platform or mobile phone do further development

Facility Maps

Upload a graphical representation map of your facility layout and place camera icons on the map to represent true location.

Centralized Deployments

eVMS-PRO supports distributed or centralized deployments. When using a centralized server, multiple locations can share a server, maximizing return on the hardware and reducing the upfront cost and maintenance over time.

Automation & Alert Monitoring

Rules Manager provides a step-by-step wizard to monitor schedules and events that trigger one or multiple actions. These can be simple snapshot emails on motion during specific time frames or complex multi-step triggers and actions (such as notifying campus security).



eVMS-PRO Software functions

eVMS-PRO System Admin Feature

Organization Management

- 1) With the state-of-the-art Physical & Logical Organization function, the user can manage the device by devices or channels as the software is modular & flexible
- 2) You can achieve device group management through organization

Device Management

- 1) Add the devices via auto search, IP, Domain, IP Segment, auto register (for 3G, 4G, DHCP device)
- 2) All WatchNET's devices can be managed: Megapixel Cameras, network Speed Dome PTZs, NVRs, etc.

Role and User Management

- 1) The Admin shall Add, Edit, Delete & Modify the ROLES as well as USERS
- 2) Assign different roles with different permissions
- 3) Support import domain user and assign roles to the user
- 4) User can be assigned with the roles to obtain the corresponding permissions
- 5) User can be locked
- 6) User has PTZ permission
- 7) User can be limited by the MAC and expiry data

Alarm Event Management

- 1) Detect the device exception, video events, alarm input, alarm host and server exception
- 2) Alarm Scheme with different templates such as All Day, Weekday, Weekend and custom template
- 3) Linkage Actions: Record, Alarm Storage, Video pop-up, PTZ, Email, Video Wall, Alarm out
- 4) Alarm Information shall be in different format such as Real-Time Alarm, Alarm History, System Alarm info etc.

System Maintenance and Management

- 1) Monitor the status of device: online status, alarm status, Channel diagnosis
- 2) Monitor the status of Servers: online status, alarm status (high temperature, server status change)
- 3) Search, view the system logs

System Statistics

- 1) Online information of Service, Device and User, Device Health Report
- 2) Overview and detailed system information
- 3) Event Information Statistics: Total events and processed events
- 4) Source Information: Video channel, alarm channel

Log

- 1) Search and export log
- 2) System log, web manager log, control client log

Mobile

- 1) Mobile information management
- 2) Support statistical report of GPS abnormal, over-speed, e-fence, alarm, device state

Live View

- 1) Device tree display
- 2) Display the device IP address or device name on the device tree
- 3) View real-time video
- 4) Common layout and custom grid layout
- 5) Show/Hide online device
- 6) PTZ control
- 7) Manual recording
- 8) Snapshot
- 9) Instant playback
- 10) Digital zoom
- 11) Fisheye De-warping
- 12) Fisheye and speed dome smart tracking
- 13) Audio talk
- 14) Set Alarm Window
- 15) Decode the video to video wall quickly
- 16) Turn on/o the audio in live view
- 17) Region of Interest: Divide one window into 1+3 or 1+5 parts,
one shows whole image, others show the detail
- 18) Display raster map in Live View
- 19) Max support 4 Live View tabs
- 20) Support adding channel to favorite
- 21) Video Tour by device, Organization, Favorite, View
- 22) Fast switch to playback
- 23) Support KBD-950 keyboard to control on Live View
- 24) Share Live Video to Online User.
- 25) Programmatical Task and Touring Function

Playback

- 1) Playback the record from the front-end devices or central storage.
- 2) Video filter: Normal, motion, alarm, video loss, tampering video
- 3) Sync play & Reverse playback
- 4) Slow and fast forward
- 5) Playback frame-by-frame
- 6) Timeline zoom in and zoom out
- 7) Locate the record through timeline: drag to any me you want to play through timeline
- 8) Lock and mark the important record for central storage
- 9) Download the assigned records, support AVI and DAV format
- 10) Decode the video to Video Wall

Download Center

- 1) Download record from central storage or device
- 2) Download record by timeline, les or tags
- 3) Support multi-task download
- 4) Support DAV and AVI format

Event

- 1) Display event alarm info including alarm me, alarm name, alarm status, etc.
- 2) View the live video or pictures from related camera
- 3) Acknowledge the event alarm
- 4) Arming control for event alarm
- 5) Forward the alarm to relevant user
- 6) Send alarm email
- 7) Process the alarm

Video Wall

- 1) Adding box, on/o screen and back display
- 2) Tour the video channel
- 3) Schedule Plan: Set the running task on timeline
- 4) Tour plan: Loop different task, can set loop me
- 5) Decode the Real-time video on wall or preview
- 6) Decode the Playback video to the Video Wall by decoder or matrix
- 7) Manually/automatically decode to wall
- 8) Control the Video Wall split
- 9) Change the stream type of video channel

Map

- 1) View the live video and playback on the map
- 2) Zoom in and zoom out the map
- 3) Decode the video to Video Wall quickly
- 4) Support to calculate the area or length for GIS map
- 5) Support visible range and initial angle
- 6) Channel ash on map when alarm is occurring

Other Intelligence Features (Add-Ons)

- 1) People counting and heat map
- 2) Statistics of the count of Enter and Exit
- 3) Search the people counting data via me
- 4) Generate the daily, weekly, monthly report
- 5) Search the heat map
- 6) Export the people counting and heat-map data

Software Modules

Server Module

- 1) Video Management Server (VMS)
- 2) Device Management Server (DMS)
- 3) Storage Server (SS)
- 4) Media Transmission Server (MTS)
- 5) Auto Register Server (ARS)
- 6) Alarm Delivery Server (ADS)

Client Module

- 1) PC Client
- 2) Web Client
- 3) eVMS-PRO Mobile



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