

FortesVMS

An Integrated Video Management System



Securing you

Open Architecture

FortesVMS is an open architecture enterprise class GUI based video management software suitable for medium to large installations. It offers a scalable solution with support for unlimited number of FortesServers, FortesNVRs and IP Cameras.

FortesVMS is ONVIF compliant and provides a true open architecture platform, that ensures support for a large number of IP cameras brands. It is also compatible with different video compression formats such as H.265, H.264, MJPEG and MPEG4. It is built using open standards and is integrated with FortesServer and FortesNVR hardware for easy installation and commissioning. This integrated solution offered by Infinique, provides peace of mind and removes the compatibility risks and unavailability of prompt support associated with solutions where VMS software and server hardware are sourced from different vendors.

Third party system integration such as access control and building management systems are supported through a comprehensive SDK.

High Reliability

FortesVMS high reliability is achieved by both the VMS and Linux® OS hosted on a Solid State Disk (SSD), as this provides high read-write speeds with no moving parts. It also ensures increased uptime and system response time compared to video systems which have the OS and the VMS installed on conventional hard disk drives.

Scalable Storage

Centralized storage on FortesVMS is provided through iSCSI or Fiber Channel SAN interface making it highly efficient, as SAN uses block level system write which reduces latency and optimises throughput. Efficient RAID implementation and storage scalability are remarkable advantages of SAN storage, which make installations future proof.

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Zero Downtime

Failover support for FortesServers and FortesNVRs to ensure continuous operation and maximum system uptime. Servers can be configured for failover as one-to-one, one-to-many or many-to-many option.

Comprehensive Event Management

FortesVMS offers comprehensive event management features to ensure users gain situational awareness and quickly respond to incidents. Events such as motion detection, sensor, alarm, disk failure, camera signal loss, camera signal recovery, raid status change and HDD errors can be detected and handled by event handlers such as on-screen warning messages, initiate recording of specific camera, activate alarms, send emails, pop-up windows and activate a PTZ link.

Video Analytics

FortesVMS supports video analytics on camera's edge storage for comprehensive content analysis and reporting. It can render, save and replay the video content analysis meta data from cameras that have built-in analytics. The events generated from cameras with built-in video analytics can be mapped with various event handlers for efficient monitoring and search.

Centralized Monitoring

Advanced feature rich FortesMonitor provides centralized monitoring, control and management of multiple servers installed at different locations. A single instance of FortesMonitor installed on a high performance PC can support up to 4000+ cameras. In a single live monitor window up to 32x32 or 1024 live channels from multiple servers can be monitored, and multiple such windows can be managed simultaneously. This easy to use client software, helps security professionals manage and interact with high definition video in the most efficient way.

Interactive Map Monitor

Using Interactive Map Monitor functionality of FortesVMS, users can have a complete visual overview of installation from a single client using maps for easy identification and navigation of large surveillance systems. It enables users to gain situational awareness and quickly respond to incidents, as alarms are displayed directly on the maps. The event handlers and search tools assist the users to easily locate the video clips and help export video and snapshots required for evidence.

Product Features

- Open architecture ensures support for a large number of ONVIF Compliant IP Cameras
- Designed for large scale enterprise video surveillance, Linux based FortesVMS comes pre-installed on FortesServer and FortesNVR
- Scalable multi-server and multi-site solution for expansion of any installation by automatic bridging of FortesServer and FortesNVR
- Automatic discovery of cameras enable users to quickly add and commission cameras
- Failover support for FortesServer and FortesNVR to ensure continuous operation and maximum system uptime
- Centralized Storage using iSCSI and Fiber Channel for superior performance and scalability
- Option to remotely manage and configure servers through VNC/SSH client
- Virtualization of multiple FortesServers, FortesNVRs, Cameras and other devices as a single logical unit is achieved through FortesMonitor, which enables centralized monitoring and management from a single location
- Supports multiple grid views, 1x1; 2x2; 3x3; 4x4; 5x5; 6x6; 7x7; 8x8 and 9x9, depending on NVR Channels.
- Sequence mode for live view spot monitoring in single channel or multi channel views.
- Supports video analytics on camera's edge storage for comprehensive analysis and reporting
- Interactive Map Monitor allows the user to visualize the physical location of FortesServers, FortesNVRs, Cameras and Alarms on an imported map for easy identification and navigation of large surveillance systems
- Extensive Audit Log of configuration changes, user system accesses, events, and operator actions
- Digitally signed snapshot and video storage with watermark detection for providing non tampered data to law enforcement authorities
- Supports 128-bit MD5 algorithm for Video Authentication and Data Integrity
- Extensive Event Mapping and Event Handlers to automate different aspects of the system, including camera control, system behavior and external devices, based on events or time schedules
- Comprehensive User Management for assigning roles and permissions to system administrators and operators

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TOP REASONS TO CHOOSE

Multi-Server Multi-Site Scalable Solution	FortesVMS offers multi-server and multi-site solution for expansion of an installation by automatic bridging of multiple FortesServers and FortesNVRs.
Stable and Reliable VMS preloaded on SSD	FortesVMS high reliability is achieved by both the VMS and Linux® OS hosted on a Solid State Disk (SSD), which provides high read-write speeds and has no moving parts. This also increases system response time, compared to systems which have the OS installed on conventional hard disk drives.
Open Architecture ONVIF Compliant	Through ONVIF compliance FortesVMS ensures support for a large number of IP cameras and encoders. Compatibility with video streams such as MJPEG, MPEG4, H.264 and H.265 combined with a comprehensive SDK support for third party system integration such as access control and building management systems, makes it a true open architecture surveillance system.
Centralized Storage Meet your future needs	Centralized storage architecture through iSCSI or Fiber Channel SAN interface makes it efficient with increased performance, minimized downtime and can be expanded easily. SAN storage is ideal for surveillance applications, which involves moving of massive video data streams, as it uses block level system which reduces latency and optimises throughput. Efficient RAID implementation and storage scalability are remarkable advantages of SAN storage, which make installations future proof.
Continuous Operation Dual Ethernet, Dual Power	Continuous operation and stability are prerequisites to video surveillance applications, to guarantee this, FortesVMS has been designed with support for dual NICs and dual hot swappable power supply.
Zero Downtime Failover	Failover support for FortesServers and FortesNVRs to ensure continuous operation and maximum system uptime. Servers can be configured for failover as one-to-one, one-to-many or many-to-many option. If one of the server goes offline, the failover server will immediately takeover and manage all of its cameras, users, and security permissions to provide continued recording and access to devices.
Interactive Monitoring Maps Interface	FortesMonitor client software allows users to use imported interactive maps to visualize the physical location of FortesServers, FortesNVRs, Cameras and Alarms for easy identification and navigation of large surveillance systems. This enables operators to gain situational awareness and quickly respond to incidents.
User Flexibility Empowers Operators	FortesVMS empowers operators to control remotely multiple Servers, NVRs and Cameras through FortesMonitor client software. Users can remotely change the camera properties, operate the PTZ camera, have two-way voice communication, promptly search for incidents using timeline and map monitor, scrutinize audit log, export video and pictures, archive video and much more.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.