

VIDEO MANAGEMENT SYSTEM

IncoreSoft VMS Product Features Overview

IncoreSoft Video Management System (VMS) is a versatile software platform designed to provide centralized management, real-time monitoring, and seamless video recording from security cameras and devices. With support for advanced video analytics, event alerts, and multi-device integration, IncoreSoft VMS offers flexibility and scalability across various industrial and commercial environments. The system's compatibility with third-party hardware, cloud deployment, and diverse video formats ensures efficient, reliable performance tailored to your security needs.

- Centralized management, recording, and monitoring of video streams from security cameras and devices.
- Supports real-time video surveillance, playback, and event alerts, with tools for video analytics and user management.
- Integrates with third-party hardware and software for flexible deployments.

VMS KEY FEATURES

SYSTEM MANAGEMENT

- System Configuration and Setup: Secure system setup with password protection, wizards for installation and configuration, and real-time logging of system changes.
- Device Management: Tools for device scanning, model definition, replacement, and grouping in the admin center. Also includes a search filter for devices.
- Backup and Restore: Built-in functionality for system backup and restore to ensure data safety and continuity.
- License Activation: Options for both online and offline license activation, providing flexibility for system deployment.
- Customizable Access: Ability to configure public access to recording servers for streaming, along with credentials setup for devices.



Technical Specifications

Supported Video Compression Standards: H.264, H.265, MJPEG

Cloud Storage Support S3

ONVIF Compatibility

Supported Drivers:

- IncoreSoft VMS Axis Driver
- IncoreSoft VMS Basic Driver
- IncoreSoft VMS Bosch Driver
- IncoreSoft VMS Dahua Driver
- IncoreSoft VMS Hanwha Driver
- IncoreSoft VMS Hikvision Driver
- IncoreSoft VMS ONVIF Driver
- IncoreSoft VMS RTSP Driver
- IncoreSoft VMS Uniview Driver
- IncoreSoft VMS Vivotek Driver
- IncoreSoft VMS Gateway Driver

Manual Bookmarking (Quick and Detailed)

Automated Rule-Based Bookmarking

Protect Video Sequences for Single or Multiple Cameras

Protected Video Sequences Overview

System Components

Free

Professional

Recording Server

✓

✓

Number of IP Devices per Recording Server

10

Unlimited

Maximum Number of Recording Servers per System

1

Unlimited

Management Server

✓

✓

Centralized Web Client (Admin Center, Client Panel)

✓

✓

Centralized Desktop Client (Admin Center, Client Panel)

✓

✓

Mobile Application*

✓

✓

Service-Based Server Operation

✓

✓

Analytics Server

-

✓



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Software

Supported Operating Systems:	Linux, Windows
Supported Platforms:	x86_64, Intel QuickSync, Nvidia NVDEC
Hardware Acceleration:	NVIDIA TensorRT
Supported Databases:	MySQL, PostgreSQL, MS SQL, Oracle
Camera Stream Protocols:	RTSP, HTTP, HTTPS, ONVIF

Integration Options

Free

Professional

Plugin Integration via SDK



Protocol Integration via REST API



Alarm Integration via REST API, SSE, and WebSocket



Live and Playback Video Streaming Using WebSocket



Alarm and Action Advanced Rule Manager Integration via SDK

-



System Configuration through SDK and REST API



Video Out via RTSP Restreaming

-



Plugin Metadata Integration



ADVANCED FUNCTIONALITIES

Alarms and Alarm Rules:

- Role-Based Alarm Rule Management
- Schedule for Alarm Rule
- Customizable Sound Notifications
- Alarm Details with Instructions and Owner
- Triggered Alarms Display
- Alarm Management (Reassign, Update Status, Comment)
- Customizable Alarm Priority Levels, Statuses, and Instructions
- Number of Alarm Priority Levels
- Alarm Handling Activity Log
- Alarm Logging
- Alarm Push Notifications in Mobile Application



ADVANCED FUNCTIONALITIES

Video Processing

- Supported Video Compression Standards (H.264, H.265, MJPEG)
- Comprehensive Metadata Support
- Multiple Streams per Camera (Live and Recording)
- Live Video Streaming Without Recording Storage
- Simultaneous Multi-Stream Live Viewing
- Adaptive Streaming and Playback
- Configurable GOP Size (H.264/H.265)
- Pre-Recording Buffer
- Integrated Video Motion Detection
- Customizable Motion Detection Sensitivity Levels
- Hardware-Accelerated Video Decoding for Motion Detection (NVIDIA)?
- Motion Metadata Generation during Motion Detection Analysis
- Motion Detection Zones
- Fisheye Dewarping
- Privacy Masking Zones (Restricts User View, Analytics Detection, Motion Detection)

SECURITY FEATURES

Hot-Failover and Cold-Failover Recording Server	Secure Device Connection via HTTPS
Hardware Settings Synchronization (Automatic and Manual)	Metadata from Camera-Embedded Analytics

SPECIALIZED SOLUTIONS

Unlimited Licensing	Unlimited Number of Clients Supported
Unlimited Daily Recording Capacity	Maximum Layout Content Slots 100 (10X10)
Advanced Alarm Management	Interactive Maps and Plans
Enhanced View Grid Content (Cameras, Maps, Plans, Plugins, Web Pages, etc.)	Layout and Content Management According to the Rule
Pre-Recording Buffer in RAM	Biometry Support in Mobile Application

