Milesight

Milesight VMS Enterprise

Advanced C/S Architecture · On-server AI Analytics ·
Intuitive Live View · Efficient Playback · Scalable Video Wall

OS: Windows 11/10/8/7
Windows Server 2019/2016/2012/2008

ONVIF H.265 HEVC AI VCA ANPR ANR

DATASHEET

INTRODUCTION

Milesight VMS Enterprise (ONVIF compliant) is a video management software designed for medium to large projects which can manage lots of network cameras in different locations and featured with Client/Server architecture. It fulfills your demands and expectations, with rich core functions including live view, record, E-map, event alarm and smart analytics, etc.

KEY FEATURES

System

- Support up to 2000 channels per system/128 channels per server/25 servers per system(The numbers given are recommended maximum).
- Support creating a VMS system by servers in different LANs.
- Support multiple system languages.
- Support multi-layer map.
- Support N+M Failover.
- Offer a user-friendly GUI for easy operation.
- Provide access to the system via Mobile video clients.

Live View

- Support multi-monitor and 64 live view channels per monitor with main or sub streams optional.
- Support self-adaptive layout.
- Support Fisheye Dewarping&PTZ control.
- Support Camera Tour and Layout Tour.
- Support Dynamic Visualization including People Counting and Traffic Detection.

Playback&Recording

- Support up to 64 channels synchronous or asynchronous playback.
- Support reverse and times the speed of playback.
- Support quick location & playback by tags, events.
- Support smart search of motion detection.
- Support marking different types of videos with different colors.
- Support split playback to split one video into multiple clips and play them back simultaneously.
- Support Snapshot, Audio, and Digital Zoom in Playback.
- Support lock of important Video.
- Support different recording types, including Schedule and Event.
- Support the export of videos in different formats.
- Support multiple kinds of overlays.
- Support local and NAS storage.

Configuration

- Support device management and configuration, including Snapshot, Record, Audio, Talk, Digital Zoom, Fisheye Dewarping, PTZ Control, Stream Switching, Instant Playback, etc.
- Support real-time display of system and server running status, and dynamic display of resource information.
- Support custom configuration of system, server and client.

Alarm

- Support event trigger like Motion Detection, VCA, Audio Alarm, External Input Alarm, Video Loss, Smart Analytics, etc.
- Support event action like Recording, Control Camera Output, Call Camera PTZ Preset, Play Sound, Send Email, Push Alarm to M-VMS Mobile App, etc.

Smart Analytics

- Support VMS-end Video Analytics Events.
- Support VMS-end People Counting.
- Support ANPR Management, including License Plate Group Detection, Speed Detection, Congestion Detection, Retrograde Detection, etc.
- Support Radar Data Integration for Traffic Flow Control.

Security

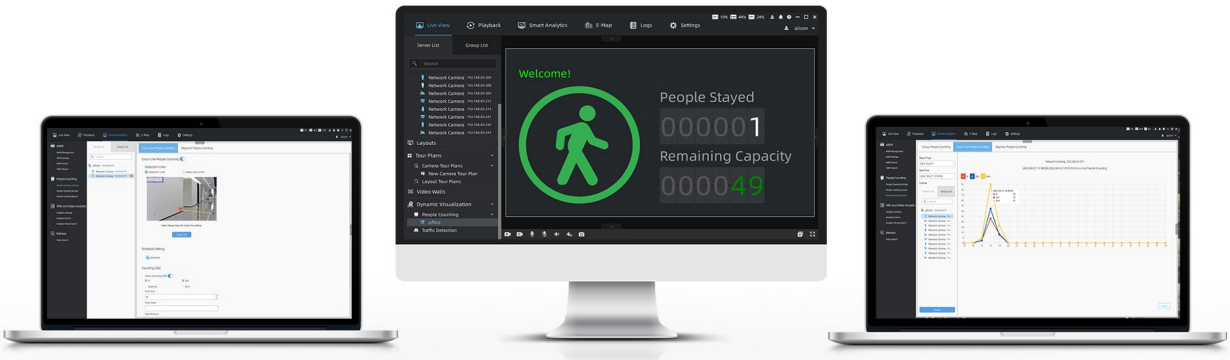
- Support customization of the Roles' Privileges.
- Support password protection.
- Support encrypted video files.
- Support both SSL and TLS encryption methods for emails.

On-server AI Analytics

Alarm can be triggered in real time by various events, multiple alarm actions can be enabled at the same time.

Support ANPR Management

Support VMS-end People Counting



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Software	**Milesight VMS Enterprise**	
Architecture	Client/Server architecture	
Client		
Hardware Requirement	CPU: Intel Core i5 @2.9GHz or above Memory: 4GB or above HDD: HDD/SSD GPU: Recommend, discrete graphics card will be better Graphic Memory: 2GB or more Display Resolution: 1280 x 720 or above	
OS	Windows 7/8/10/11	
Live View	Simultaneously Playing	Up to 64-CH, self-adaptive layout
	Multi-monitor	Live Screen, Alarm Screen, Full Screen, E-map, Playback
	Tour	Support (Camera Tour, Layout Tour)
	Video Walls	Up to 100 Video Walls per System
		Display up to 64 IP Channels per screen
		Custom Screen Combinations & Split
		PTZ and Digital Zooming Operations
		Remote Desktop Sharing
		Remote Control & Monitoring
	Dynamic Visualization	People Counting Live View, Traffic Detection Live View
	Function	Snapshot, Record, Audio, Talk, Digital Zoom, Fisheye Dewarping, PTZ Control, Stream Switching, Instant Playback, Display of Tracking Box and Area, Notification, ANPR Preview
Playback and Recording Management	Playback Channel	Up to 64-CH synchronous or asynchronous playback
	Recording Type	Schedule/Event
	Playback Type	Schedule/Event/Tag
	Export Type	.mp4/.avi/.mkv/.asf/.exe (The .exe file has a built-in player.)
	Export Overlays	Text/Timestamp/Image/Privacy Mask/Transcoding
	Function	Snapshot, Audio, Digital Zoom, 1/32x~32x Slower/Faster Play Speed, Rewind Play, Fisheye Dewarping, Visual Timeline, Split Playback, Lock, Tag, Smart Search
Settings	Device Management	Channel: Support up to 2000 channels per system/128 channels per server (The numbers given are recommended maximum.)
		Protocol: MSSP/ONVIF/RTSP/P2P/Milesight DDNS
	Video/Audio Compression	Video Compression: H.265/H.264
		Audio Compression: G.711 U-Law/G.711 A-Law/AAC LC/G.722/G.726
		Video Resolution: 12MP/9MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/D1/VGA/CIF/QCIF

Settings	Event	Alarm Type: Motion Detection, Audio Alarm, External Input Alarm, VCA Events, Smart Analytics Events, Connection Issue, System Events, Server Events, HTTP Event, Client Trigger, etc.
		Alarm Action: Emergency Recording, Control Camera Output, PTZ Movement, Show Notification, Show Text Overlay, Email, Pop up Video, Play Sound, Send HTTP Request, Show on Alarm Screen&Full Screen, Push Alarm to Mobile APP, etc.
	System&Servers	N+M Failover, Online Update, License Activation, Decoding with Multiple Graphic Cards, Local and NAS storage, Intuitive Dashboard, Customizable User Permissions, Multiple Hotkey
		System Languages: English, Chinese, Traditional Chinese, Japanese, Russian, German, French, Polish and Turkish
Smart Analytics	ANPR	ANPR Group Management, ANPR Settings, ANPR Search, Traffic Report, Radar Data Integration, Dynamic Visualization
	VMS-end People Counting	Cross Line People Counting, Regional People Counting, People Counting Group, People Counting Report, Dynamic Visualization
	VMS-end Video Analytics	Motion Detection, Region Entrance, Region Exiting, Line Crossing, Loitering
	Video Analytics Server	Graphic: NVIDIA graphic card (CUDA compute capability 7.5 or higher is recommended) OS: 64-bit Operating System
E-Map	Multi-layer map, Multiple attribute configuration of elements, Shared map, Event alarm flashing prompt	
Server		
Hardware Requirement	CPU: Intel Core i3 @2.3GHz or above Memory: 8GB or above HDD: HDD/SSD NIC: 1GB or above	
OS	Windows 7/8/10/11, Windows Server 2008/2012/2016/2019	
Online Clients	100	
Servers	Support up to 25 servers per system, 25 is a recommended maximum	
Performance is highly dependent on PC capacity, and the recommended configuration is just for reference.		
M-VMS Mobile		
OS	iOS: iOS 11 or above. Android: Android 9.0 or above.	
Live View	Layout, Group, PTZ operations including preset, patrol and pattern, Two-Way Audio, Client Trigger	
Playback	0.5X/1X/2X/4X/8X/16X speed adjustable playback 4-CH Synchronous or Asynchronous Playback 4-CH Split Playback	
Alarm	Receive Event Messages from Milesight VMS Enterprise	
Manage	File Management	
Connection	IP Address/P2P	

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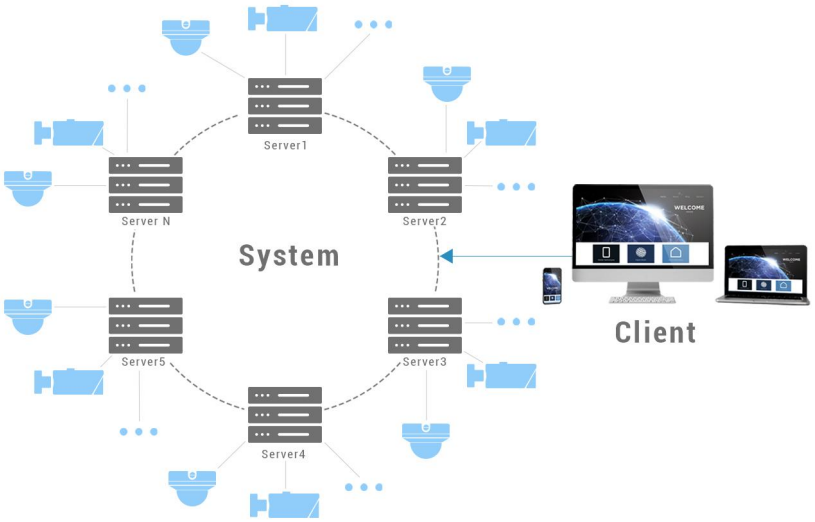
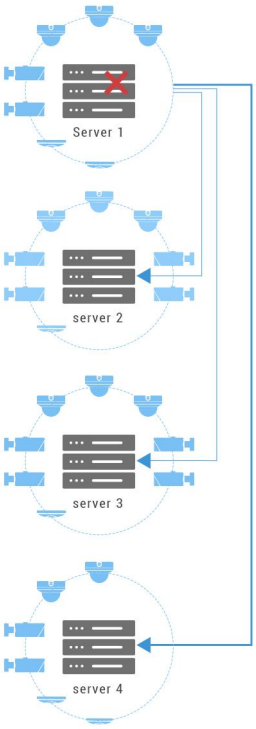


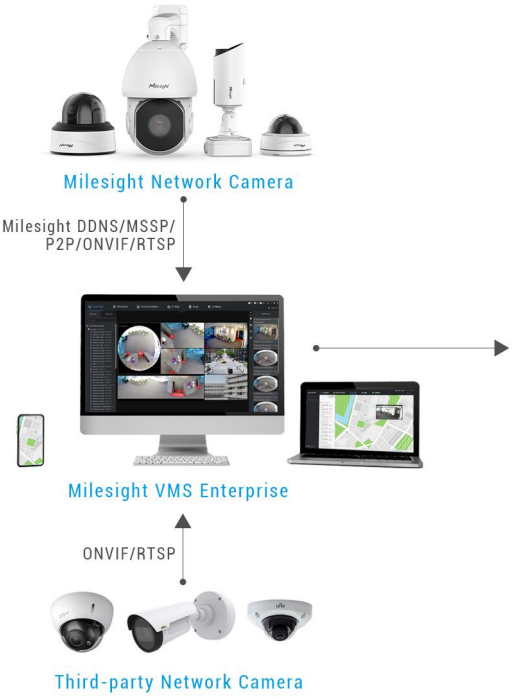
One system manages several servers. Every server shares the same data file.

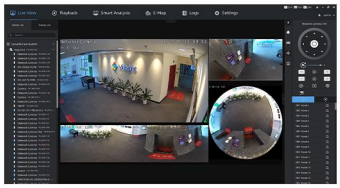


Taken over by multiple servers simultaneously. Cameras will be allocated to servers automatically to do load balancing.

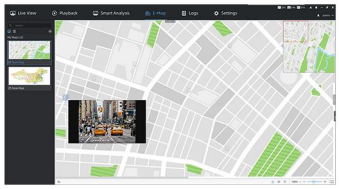
Any functioning server with failover function on and valid licenses will take over the cameras of the failed server. The cameras with record on will keep recording.

Key Functions

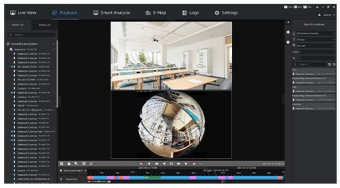




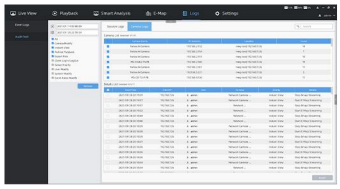
Live View



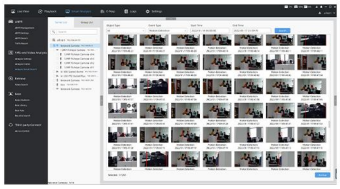
E-Map



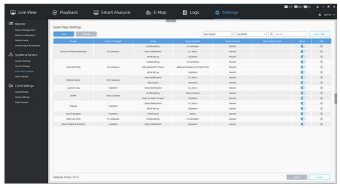
Playback



Logs



Smart Analytics



Settings

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