



# NVMS Lite

## Integrated Security Management Platform

NVMS Lite is a newly integrated security management platform released by TVT, featuring seamless access to all TVT's products and encoding devices of the famous manufacturers in the industry. With the powerful capability of video surveillance management, it supports real-time preview, record storage, record playback, record download, alarm linkage, decoding on TV Wall and keyboard control. Additionally, due to its small, exquisite, flexible and diverse deployment, NVMS Lite can meet various demands of small-sized projects and can be widely used in the video surveillance of industrial park, education, banking, chain stores, buildings and transportation.



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## Features

### Device Access

- Supports TVT private protocol, ONVIF protocol, standard RTSP, SDK
- Supports adding devices by manually entering IP address, domain name, serial number, URL or IP range, by auto search, or by auto report
- Setting the network of the devices before quick adding them

### Resource Management

- Supports channel (or camera) group management and device area management
- Supports centralized management of decoding devices, encoding devices and platform services
- Supports hot spare function of storage and transfer servers

### Device Configuration

- Supports the basic configuration and user management of the devices
- Supports the date, time and time zone, network, email and DDNS configuration of the devices
- Supports getting the information of the device's HDDs
- Supports multi-OSD setup of one channel
- Supports the camera's ROI, video mask and motion detection settings
- Supports intelligent analytics
- Supports the camera's resolution, frame rate, VBR/CBR, image quality and bitrate settings
- Supports the camera's brightness, contrast, saturation, hue, AZ settings, etc.
- The parameters of multiply devices can be set at one time
- Supports configuring record plan for storage devices
- Supports device application scenes, face capture source, face capture schedule settings

### User Management

- Supports user MAC address binding
- Supports user lock
- Supports different users and permission
- Supports permission based on resources and operation
- Permission can be assigned to each channel (or camera) of the device

### Snapshots

- Supports snapshots in the live view mode and playback mode
- Supports triggering camera snapshot

### Live View

- Supports multi-screen display mode:  
Supports 1/2/3/4/6/8/9/10/13/16/117/21/25/33/36/49/64/84/100 standard screen display mode
- Supports 2/4/6/7/9/12/16/24/36/48 widescreen display mode; Supports customized screen display mode
- Supports corridor mode
- Supports adding fisheye and panoramic cameras
- Supports channel group auto-switch
- Supports stream self-adaption and one-key stream switch
- Supports aspect ratio switch
- Supports steam copy
- Supports dual-monitor display
- Supports instant playback
- Supports decoding with hardware
- Supports device's smart area and result display
- Supports smart view mode

### Two-way Talk and Broadcast

- Supports remote listening
- Supports two-way talk
- Supports 8K or 16K audio sampling rate
- Supports multiply audio formats: G.711 a-law, G.711 u-law
- Supports voice broadcast and audio file customization

### PTZ Control

- PTZ remote control, including preset, track and cruise calling and settings
- Supports zoom in/out and focus+/-
- Supports PTZ protocol configuration
- Supports 3D positioning control (the target can be quickly positioned and captured by box selection)
- Support scheduled tasks, wiper one-button guard and one-button cruise configurations

### Record Playback and Backup

- Supports multi-channel simultaneous and asynchronous playback
- Supports multiple record source playback
- Supports multi-window playback
- Supports playback by channel, time slice, time, tag and event search
- Supports one-key stream switch, aspect ratio switch
- Supports playback by frame, dragging the progress bar, fast forward or slow speed
- Supports record backup: manual backup, scheduled backup, backup by channel, time, tag and event search; supports cutting records and backup in the playback interface
- Supports smart playback by face or license plate
- Supports POS record playback
- Supports pre-alarm, post-alarm and offline record settings

### Alarm

- Supports multiple alarm types: Motion alarm, sensor alarm, smart event linkage alarm, line crossing counting linkage alarm, face match linkage alarm, etc.
- Supports multiple alarm linkages: Platform recording, client message pop-up, client preview, audio, decoding on TV Wall, device recording, device snapshot, local recording, local snapshot and so on
- Supports arming or disarming.
- Supports SOP (alarm handling process) configuration
- Supports alarm information export by time period
- Supports manual alarm output

### Decoding On TV Wall

- Supports working with decoders or decoding matrix to control multiple video walls
- Supports 12MP/ 8MP/5MP/4MP/3MP/1080P/720P
- Supports decoding on TV wall in the audio format of G.711A, G.711U
- Support live view and playback on TV wall
- Supports 1/4/9/16/25/36 screen mode
- Supports multiple splicing modes: 1x1, 1x2, 2x1, 2x2, 3x1, 3x2, 3x3, 4x1, 4x2, 4x3, 4x4, 4x5, 4x6, 4x7, 4x8
- Supports picture-in-picture mode and roaming mode
- Up to 999 plans configurable
- Supports channel group and plan sequence view
- Plan task configurable
- Supports triggering decoding on TV wall; customized alarm window (unlimited)
- Supports notification for node offline

### Electronic Map

- Supports Baidu map and picture map. The picture map supports JPG, BMP, PNG and TIF formats
- Supports multi-level maps; adding, modifying, moving, deleting hot spots (monitoring points, sensor)
- Supports layer edition and display as well as self-defined layer
- Supports alarm linkage, like icon flickering, video pop-up
- Video preview, image search by image; E-map monitoring

### Data Dashboard

- Self-defining the desired display modules, including video
- Window, face comparison, E-map, smart snapshot and traffic flow statistics

### Group Management

- Supports binding devices and people group; the personal information of the group will automatically transfer to the device database
- Supports batch adding and importing face pictures; people attribution information configurable
- Supports vehicle registration to allow or block list
- Supports personal information registration to person list or block list

### Search

- Supports image search and playback by face image (captured face image or uploaded face picture) and all searched face images can be viewed via the list or track on the E-map
- Supports face comparison result search and export
- Supports license plate comparison result search and export
- The captured face/human body/motor vehicle/non-motor vehicle images can be searched and exported
- Supports visitor record search

### Line Crossing Counting

- Supports the threshold settings of people/motor vehicle/non-motor vehicle entering and exiting
- Supports daily, monthly people/motor-vehicle/non motor vehicle flow display by chart
- Supports historical people/motor vehicle/non-motor vehicle counting displayed in a histogram or curve graph and exported to an Excel
- Supports single/multi-channel real-time statistics and daily/monthly/yearly statistics via E-map
- Historical data searched by single/multi-channel, time period and line crossing and exported to a curve graph or histogram, or an Excel

### Others

- Supports overload protection
- Supports operation and maintenance management:
- Operating, system and alarm logs can be searched and exported by time, type and user
- Supports common function edition
- Supports illegal lock
- Supports password protection and password retrieve by dynamic code.

## Components

<b>Integrated Service &amp; Client</b>	NVMS Lite
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## Recommended Configuration

Capability of Management	
Max. Number of Channel Access	256CH
Max. Number of Device Access	64 DVRs/NVRs or 64 IPCs
Max. Number of Decoding Output	32
Max. Channel Number of Simultaneous Preview	256
Max. Channel Number of Simultaneous Playback	16
Max. Number of Views	Up to 64 view plans can be created
Max. number of users	64 users (1 online user supported)

## Recommended Configuration

Configuration	Recommended hardware configuration	Recommended system configuration
Recommended Configuration	CPU:I5-7400@3.00GHz/16G/NVIDIA GeForce GTX1060 6GB	Windows10 64bit Windows11 64bit

## Typical Application

