**HIKVISION**

# Introduction of iVMS-4200 v2.0

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# Brief Introduction

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■ iVMS-4200 is a free management software for Hikvision DVR, NVR, IPC, encoders, decoders, etc.

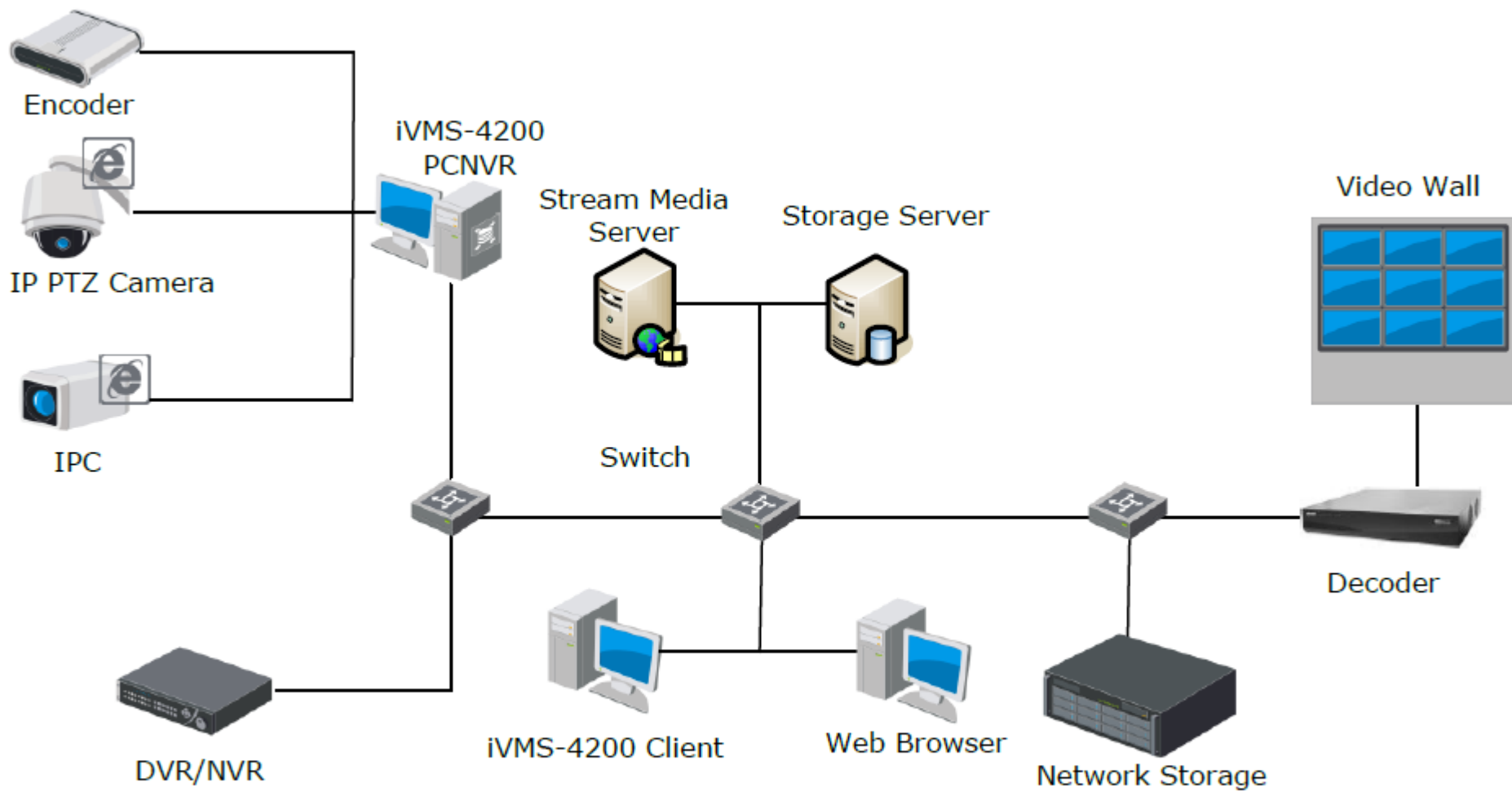| Application | • Powerful Device Management<br>• Powerful Event Management |
| --- | --- |
| Price | • Free to Install<br>• Free to Upgrade |
| Usability | • Friendly GUI<br>• Web Access |

# Typical Application
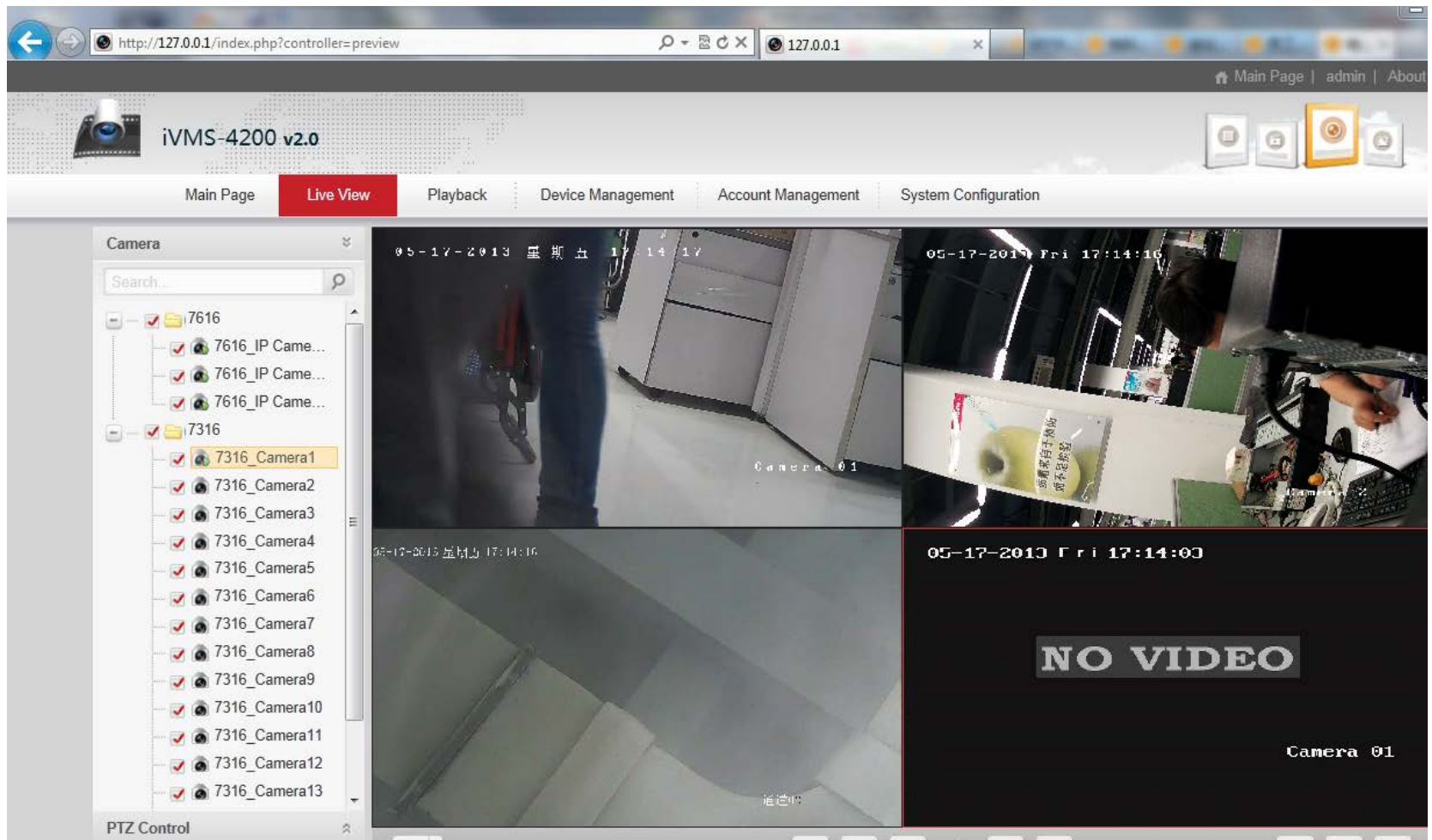
# Contents

# Embedded Web Server

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- iVMS-4200 client can be accessed via the web browser for live view, playback, and management.

# Control Panel

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■ There are 2 categories in control panel: one is operation, the other is management. Now it's easy to find what you want to operate.

**Operation and Control**

**Main View**
Display video preview, playback and operation functions.

**Remote Playback**
Searching and playback of remote record files and the related playback operation.

**E-map**
Adding, modifying, deleting, and basic operations of E-map.

**Maintenance and Management**

**Device Management**
The management of the devices and groups: adding, deleting, and the configuration of the resources.

**Event Management**
Configuration of alarm, abnormal parameters and linkage actions of the servers.

**Record Schedule**
Configure the recording schedule and related parameters.

**Account Management**
The adding, editting, deleting of the remote client users.
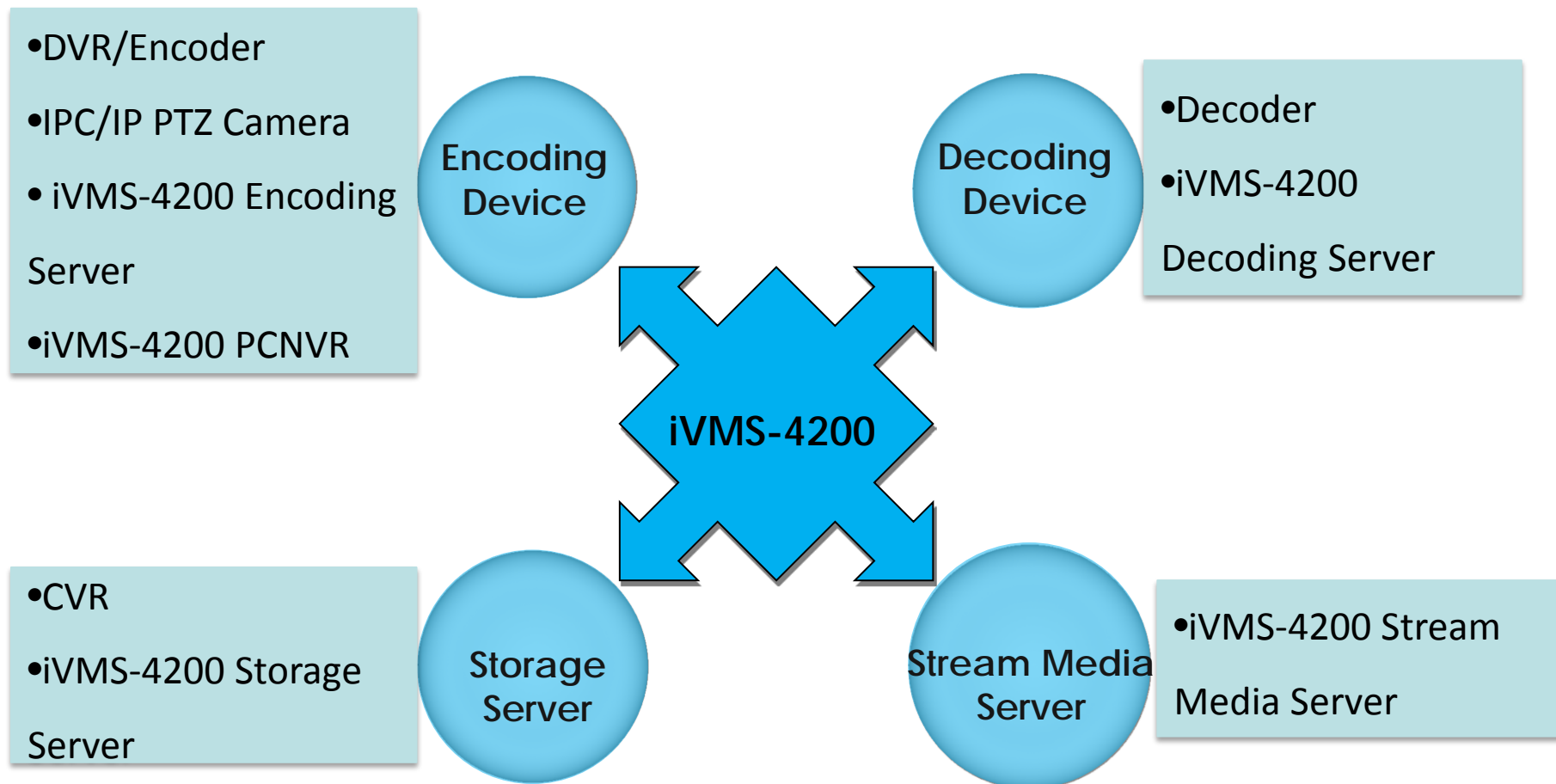
**Log Search**
Log Search: Search, view and backup local and remote logs.

**System Configuration**
Configure general parameters.

# Server Management

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■ iVMS-4200 contains different server types, handling different device types.

- DVR/Encoder
- IPC/IP PTZ Camera
- iVMS-4200 Encoding Server
- iVMS-4200 PCNVR

**Encoding Device**

**Decoding Device**

- Decoder
- iVMS-4200 Decoding Server

**iVMS-4200**

- CVR
- iVMS-4200 Storage Server

**Storage Server**

**Stream Media Server**

- iVMS-4200 Stream Media Server

# Add Device

■ Support online detection and manual add, manual add includes add by IP/Domain, IP Segment, HiDDNS, and IPServer.
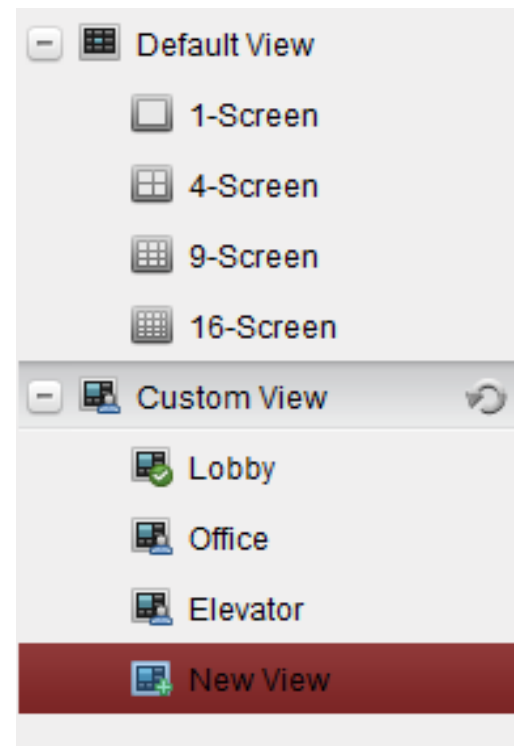
# Live View Modes

- Support various screen layouts
- Support default view and custom view profile
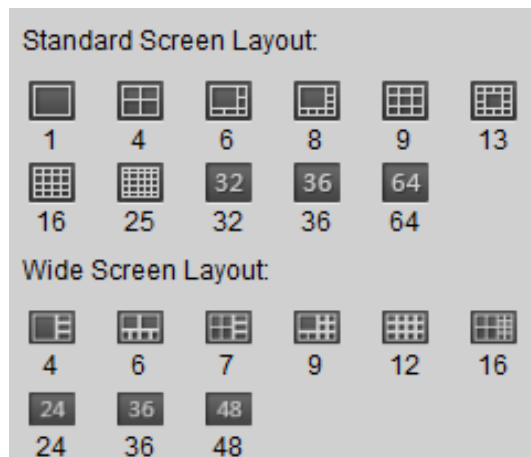


Screen layouts                    Default and custom view

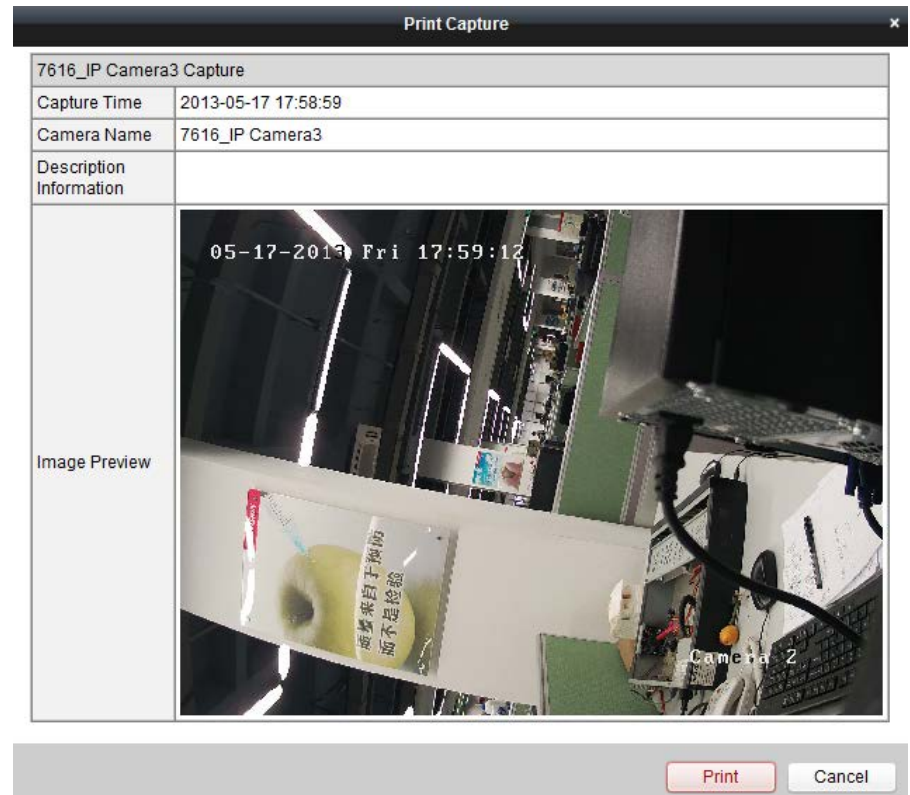# Various Live View Functions



- Various and powerful operations during live view such as two-way audio, time synchronization, print and email capture, PTZ, digital zoom, etc.
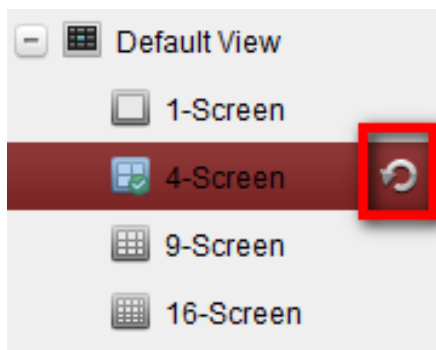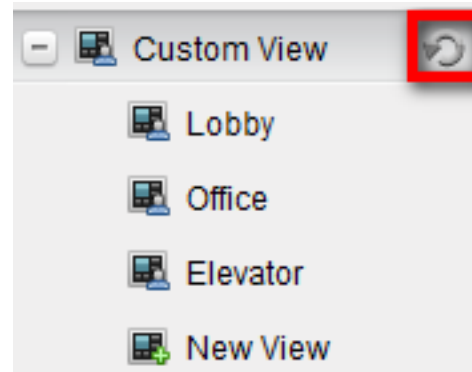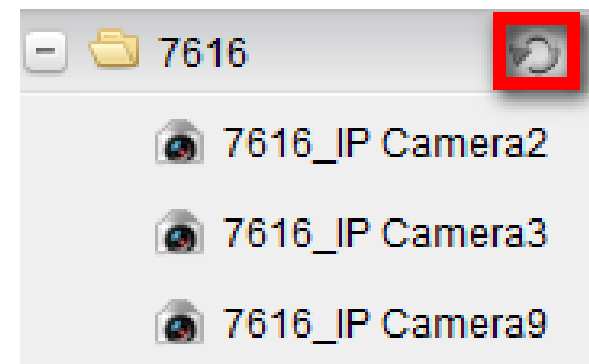


Various functions



Print capture

# Cycle Play



- Support three different ways of cycle play (Interval: 20s-5minutes)

1. 1/4/9/16-screen cycle play among all imported cameras

2. Cycle play among all the custom view profiles

3. Cycle play among selected camera group in one selected window
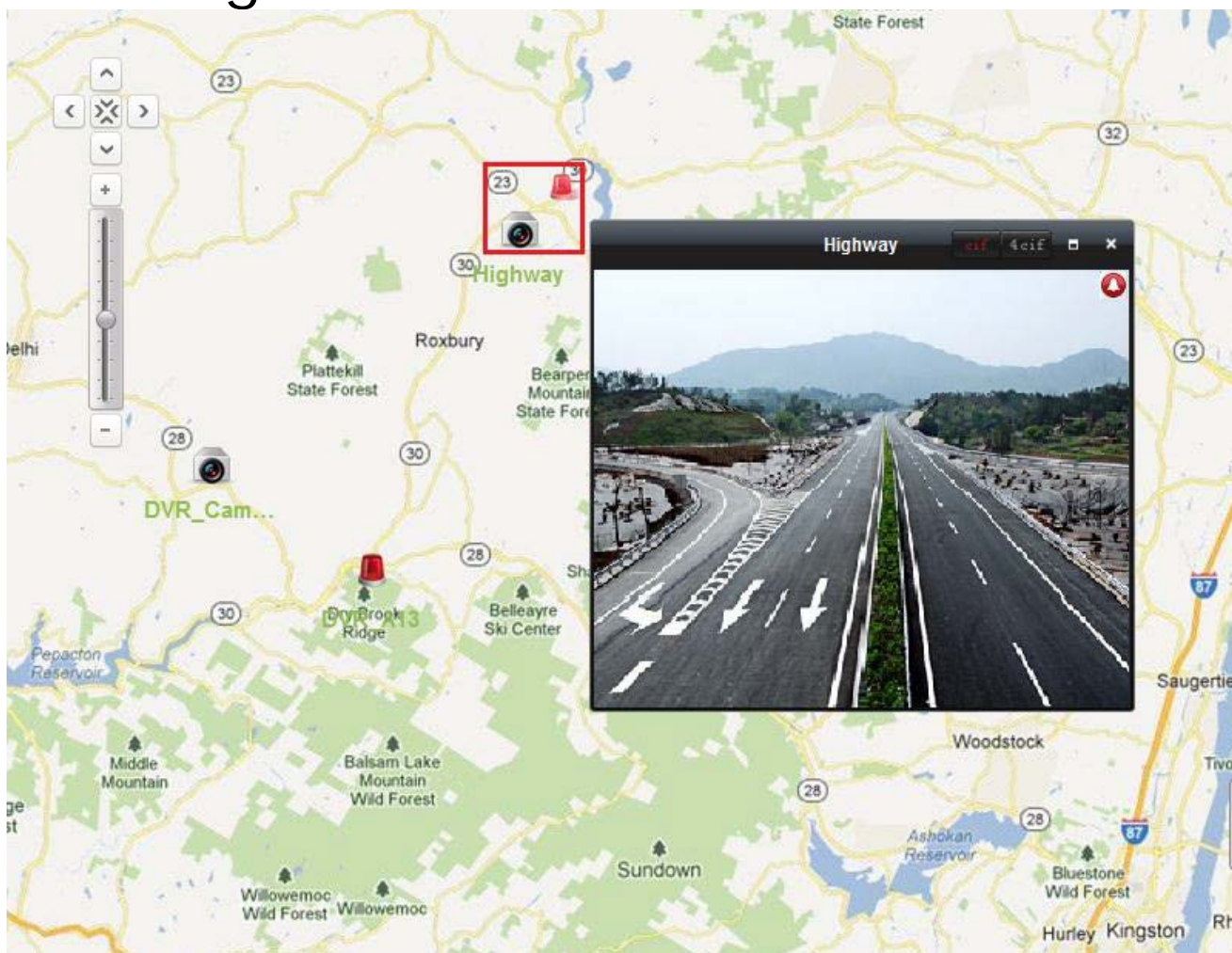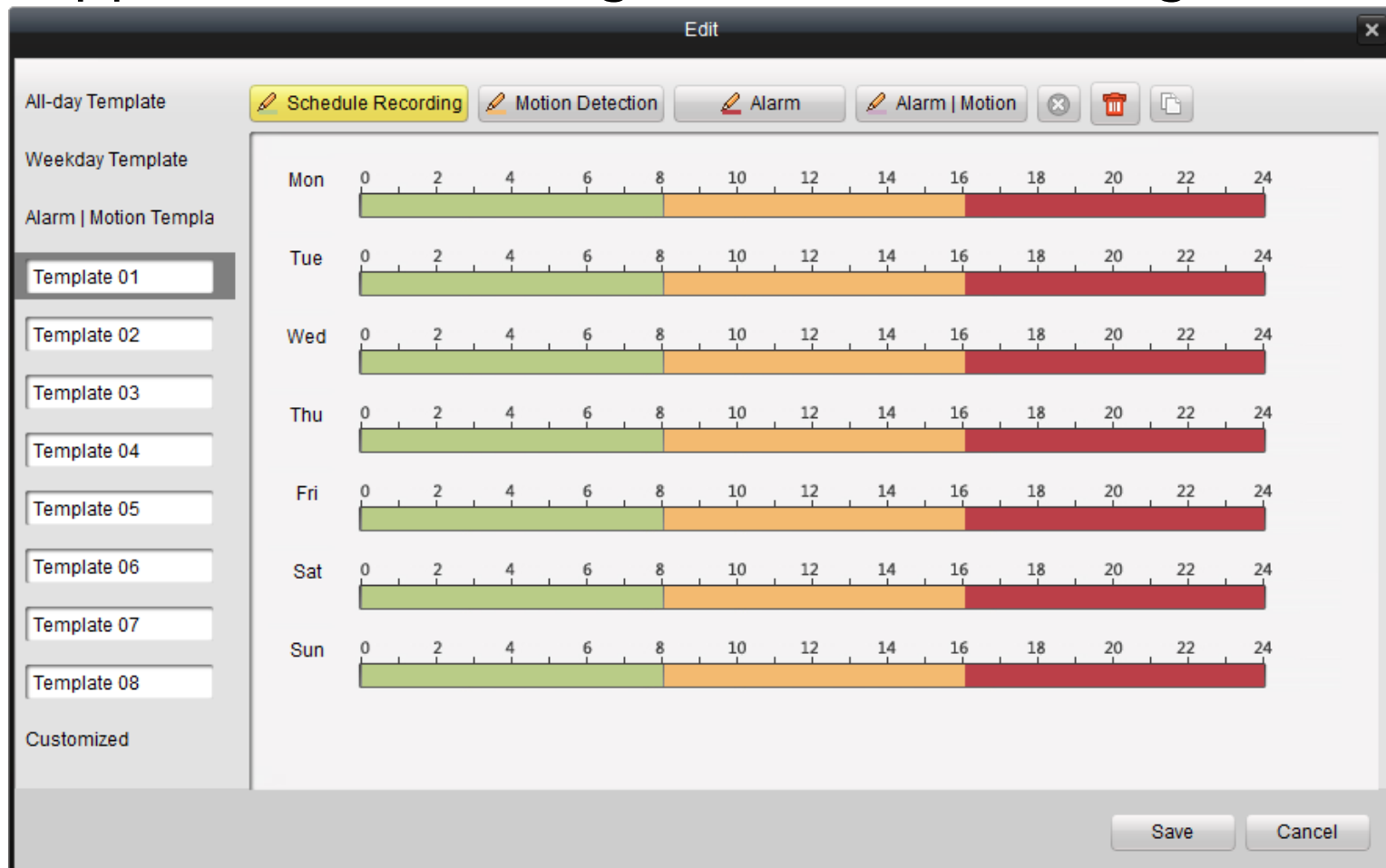


cycle play 1

cycle play 2

cycle play 3

# E-map

■ Support add camera hot spots, alarm input spots, and hot regions.

# Recording

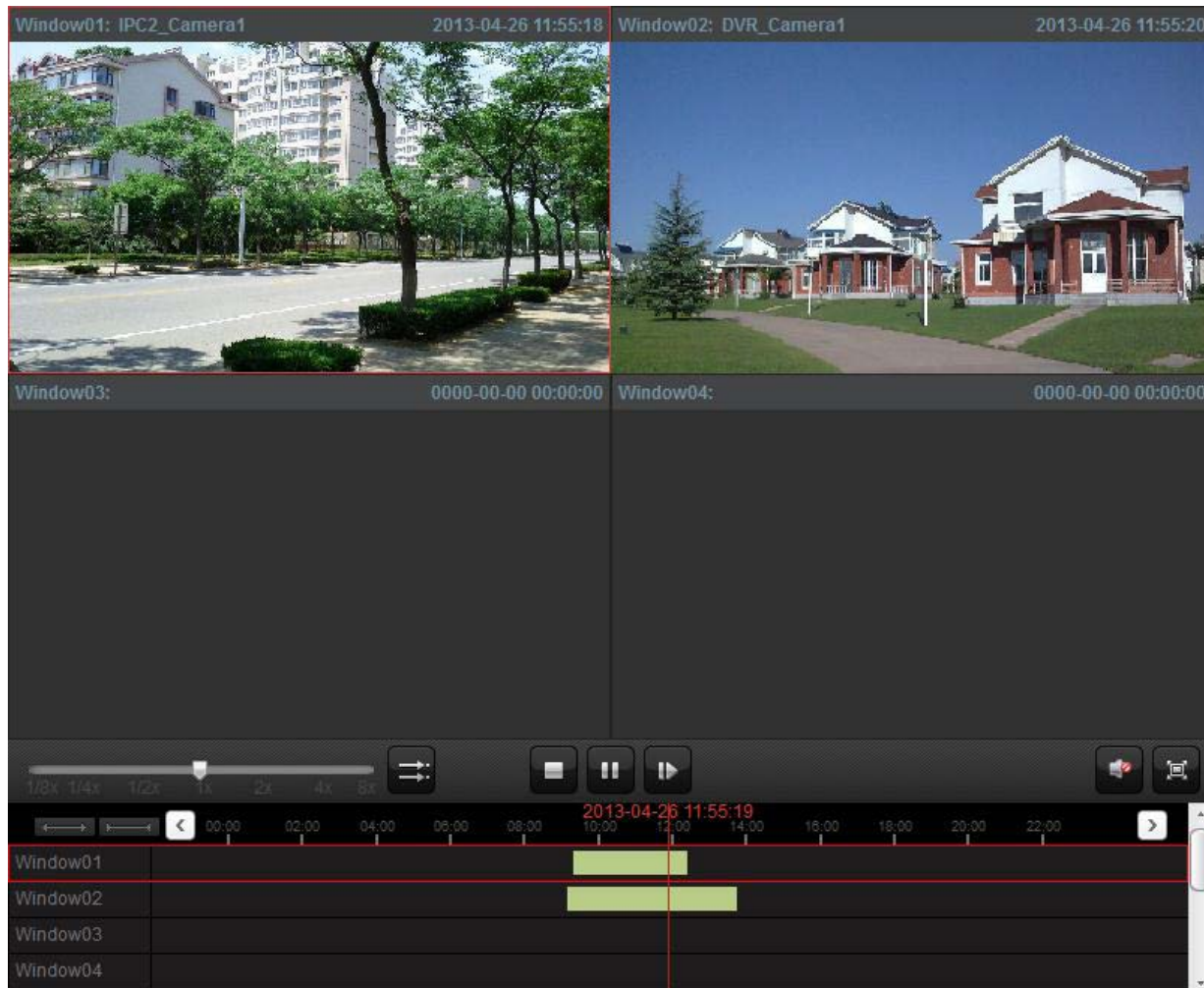- Support set remote device recording schedule
- Support set recording schedule of storage server

# Remote Playback

- Support up to 16-ch synchronous playback

# Download

- Support multiple download modes of remote record files: by files, by date, and by tag.

# Event Management

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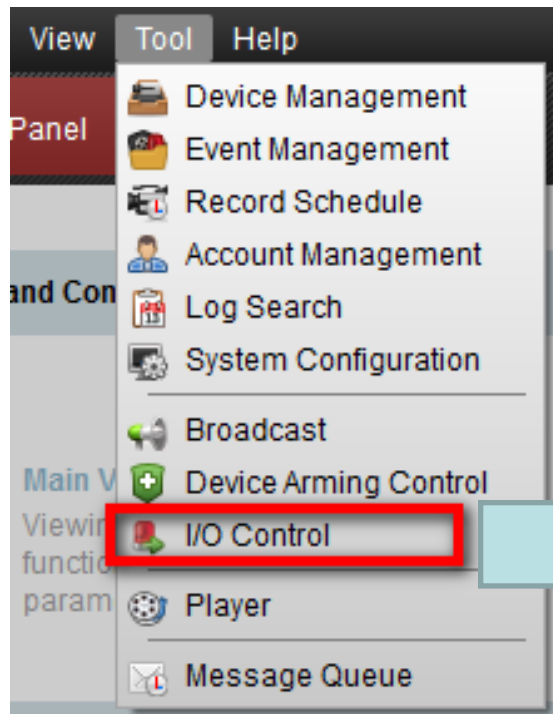
- Central management on camera events, alarm input, device exception.
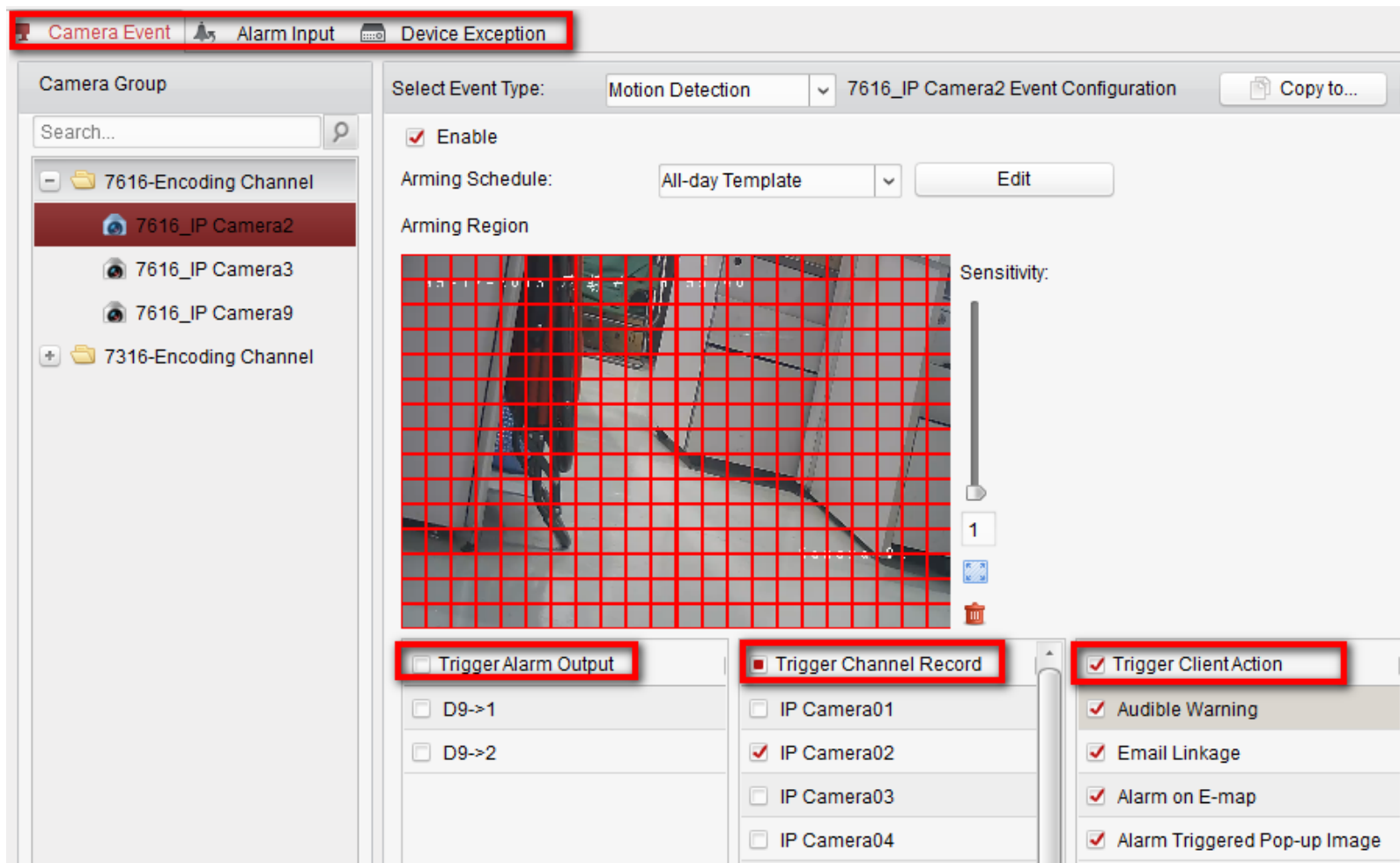
# Alarm Output Control

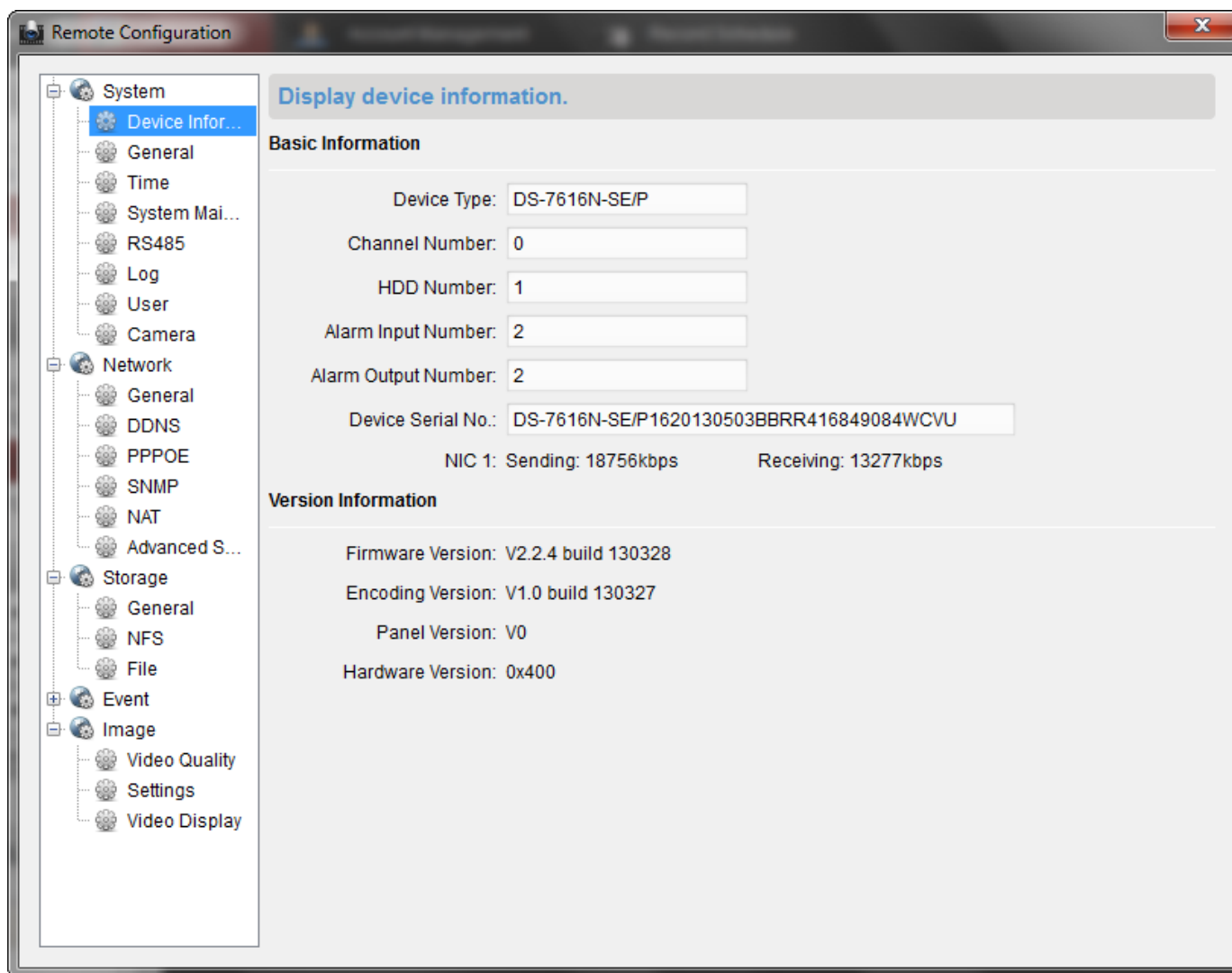- **Manually turn on or off the alarm outputs of device.**

# Remote Configuration

- Remote configuration of added device

# Account Management

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- Support multi-role user management, and users could be assigned with different permissions.
- Super User>Administrator>Operator

# Powerful Log Management

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- Support search, filter and backup client log and device remote log.

# Other

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- Multiple display resolution options: 1024*768, 1280*1024, 1440*900, 1680*1050, full screen.

- Support import and export database, easy to save and copy configuration files.

- Self define the saving path of the downloaded video file, capture, and configuration file.

- Soft auto-run and resume last live view.

- Set up shortcuts of PC keyboard and USB joystick for frequently used functions.

- Broadcast over the device.

- …

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Brief Introduction

Functions and Features

Specification

# Specification of iVMS-4200 Client

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| iVMS-4200 Client | |
|---|---|
| Manageable Encoding Device | 256 |
| Max. Group | 256 |
| Max. Imported Camera | 1024 |
| Max Camera Number in One Group | 64 |
| Max. Storage Server | 16 |
| Max. Stream Media Server | 16 |
| Max. Decoding Device | 64 |
| Max. Live View Camera | 64 |
| Max. Live View Split Screen | 4 |
| Max. User | 51 |
| Max. Playback Channel | 16 |
| Max. Simultaneous Download Task | 16 |
| Max. E-map | 256 |

# Specification of server

| Storage Server | Recording Performance | 64*2Mbps |
|---|---|---|
| | VOD Performance | 64*2Mbps |
| | Max. User | 32 |
| | Max. Connected iVMS-4200 | No Limitation |
| Stream Media Server | Incoming Connection | 64*2Mbps |
| | Outgoing Connection | 200*2Mbps |

# Recommended PC Configuration

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| PC Configuration<br><br>Bitrate<br><br>(single P-frame) | The maximum amount of accesses supported for live view channel | | | | |
|---|---|---|---|---|---|
| | CPU: Intel Core i7-3770K 3.50GHz Memory: 4GB Graphic card: AMD Radeon HD 6700 Series Operating System: Windows 7 (32 bit) | CPU: Intel Core i5-2320K 3.00GHz Memory: 4G Graphic card: NVIDIA GeForce GT 430 Operating System: Windows 7 (32 bit) | CPU: AMD Phenom II X4 965 3.40GHZ Memory: 4G Graphic card: ATI Radeon HD 5770 Series Operating System: Windows XP SP3 | CPU: Intel Core 2 Quad Q8200 2.33GHZ Memory: 4G Graphic card: NVIDIA GeForce 9600GT Operating System: Windows XP SP3 | CPU: Intel Core 2 Duo E8400 3.00GHZ Memory: 2G Graphic card: ATI Radeon HD 4800 Series Operating System: Windows XP SP3 |
| (352*288)*768K*25 | 64 | 64 | 64 | 63 | 48 |
| (640*480)*1.5M*25 | 57 | 50 | 48 | 25 | 22 |
| (704*576)*2M*25 | 49 | 38 | 36 | 19 | 17 |
| (960*576)*2M*25 | 36 | 26 | 27 | 12 | 12 |
| (1280*720)*6M*25 | 23 | 18 | 16 | 8 | 7 |
| (1280*960)*6M*25 | 20 | 15 | 13 | 6 | 5 |
| (1600*1200)*8M*25 | 12 | 8 | 8 | 3 | 3 |
| (1920*1080)*9M*25 | 12 | 7 | 7 | 3 | 3 |
| (2048*1536)*13M*25 | 8 | 6 | 6 | 2 | 2 |
| (2560*1920)*7M*6 | 6 | 6 | 6 | 5 | 4 |

***Note:*** The parameters recommended above are for reference only.

Thanks!

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