

## iVMS-4200 PCNVR

### Overview

The iVMS-4200 PCNVR is designed to manage the embedded network surveillance devices, such as network cameras and encoders, and provides mainly the storage and management function for the input video stream. It functions as a NVR installed on your PC, only it has not a specific hardware device and dedicated record file storage HDDs. The software cuts the complexity of the surveillance application, meeting the needs of small and medium-sized projects.

With its flexible deployment schemes, the iVMS-4200 PCNVR is widely applied to the surveillance project of financial, public security, military, telecommunications, transport, electricity, education, water conservancy industries, etc.

### Model

iVMS-4200 PCNVR

### Main Features

#### General

- Management and viewing interface for network cameras, network speed domes and encoders
- Application in the local area network and the wide area network
- Mouse and keyboard control
- Wizard for operation guide
- Watchdog supported
- E-map function
- HDD management with IPSAN supported and NAS not supported
- User privilege management
- Mobile phone monitoring supported
- Embedded web server, supports IE, Firefox, Chrome, Safari, etc.

#### Network

- NTP protocol supported
- IP Server, PeanutHull and DynDNS for dynamic IP connection
- Two-way audio and broadcast function

#### Live View

- Local and remote live view supported
- Main / auxiliary screen live view
- Standard screen layout: 1, 4, 6, 8, 9, 13, 16, 25, 32, 36, 64;
- Wide screen layout: 4, 6, 7, 9, 12, 16, 24, 36, 48
- Full screen view supported
- Picture capture supported
- Privacy mask supported
- OSD configuration supported

#### PTZ Control

- Local and remote PTZ control supported
- Multiple camera control, including pan, tilt and zoom
- One-Touch focus function
- Control keyboard and USB joystick supported

#### Alarm Management

- Multiple alarm types supported

- Manually turn on/off alarm output
- Multiple linkage methods supported

#### Record

- Local and remote manual record supported
- Schedule record supported
- Event record supported
- Configurable video expired time and Disk overwrite supported

#### Playback

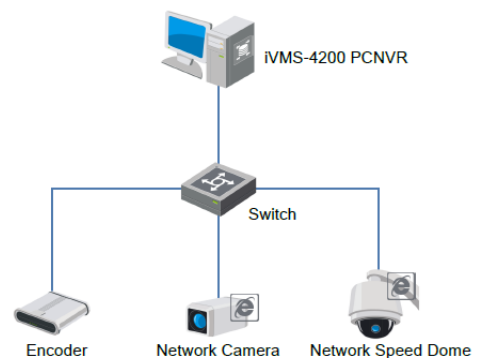
- Local and remote playback supported
- Up to 16-ch simultaneous playback supported
- Instant playback supported
- Event playback supported

#### Backup

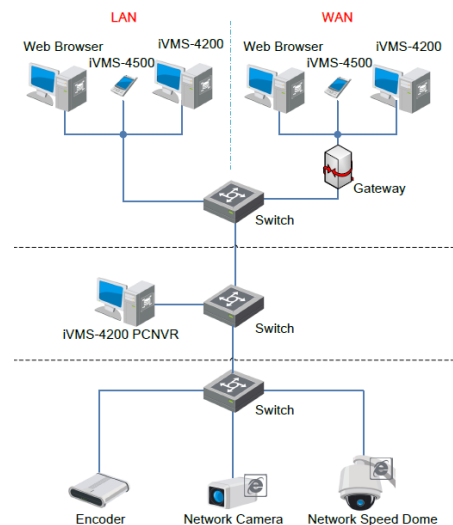
- Local and remote backup of record files
- Import and export configuration file
- Log search and backup

### Typical Applications

#### A Simplified Scheme



#### A Complete Scheme



## Specifications

<b>Model</b>		iVMS-4200 PCNVR	
<b>Operating System</b>		Microsoft Windows 7/Windows 2008 (32/64 bit) Windows 2003/Windows XP(32 bit)	
<b>Hardware</b>		CPU: Intel Pentium IV 3.0 GHz or above Memory: 1G or above Display: 1024*768 or above Graphic card: Independent video card	
<b>Function Feature</b>	<b>General</b>	<b>User</b>	Up to 32 users supported
		<b>Device</b>	Up to 64 devices supported
		<b>Channel</b>	Up to 64 channels supported
		<b>HDD</b>	Up to 28T storage capacity supported
		<b>E-map</b>	Up to 17 e-maps can be added; (1 map as parent map and 16 for sub-map)
		<b>Hot Region</b>	Up to 16 hot regions can be added
		<b>Hot Spot</b>	Up to 256 hot spots can be added
	<b>Live View / Record / Playback</b>	<b>Live View</b>	Up to 64 screen live view supported
		<b>Record</b>	Up to 64-ch x2M record supported at a time (total record bit stream: 128M)
		<b>Playback</b>	Up to 16-ch synchronous playback supported
		<b>Remote access</b>	Up to 128 accesses supported for live view channel and 64 accesses for playback channel; Up to 6 accesses supported per live view channel;
		<b>Bandwidth</b>	Input: 128Mbps; Output: 256Mbps
	<b>PTZ Control</b>	<b>Preset</b>	Up to 256 presets can be added
<b>Pattern</b>		Up to 1 pattern supported	
<b>Patrol</b>		32 patrols, up to 32 presets each patrol	

## Recommended Configurations

<b>PC Configuration</b>	The maximum amount of accesses supported for live view channel				
	<b>Bitrate</b>	CPU: Intel Core i7-2600 3.40GHz Memory: 2.99GB Graphic card: AMD Radeon HD 6700 Series Operating System: Windows 7 (64 bit)	CPU: Intel Core i5-2500K 3.30GHz Memory: 4G Graphic card: NVIDIA GeForce GTX 460 v2 1024 MB Operating System: Windows XP	CPU: AMD Phenom II X4 955 3.20GHZ Memory: 4G Graphic card: ATI Radeon HD 4800 Series Operating System: Windows 7 (32 bit)	CPU: Intel Core 2 Quad Q8200 2.33GHZ Memory: 4G Graphic card: NVIDIA GeForce 9600GT Operating System: Windows 7 (32 bit)
(352*288)*768K*25 (single P-frame)	64	64	64	51	49
(640*480)*2M*25 (single P-frame)	61	49	44	22	21
(704*576)*2M*25 (single P-frame)	48	40	30	13	13
(1280*720)*6M*25 (single P-frame)	21	17	15	6	5
(1280*960)*6M*25 (single P-frame)	19	16	13	7	5
(1600*1200)*9M*25 (single P-frame)	12	9	9	5	3
(1920*1080)*10M*25 (single P-frame)	9	7	6	3	2
(2048*1536)*7M*12 (single P-frame)	11	9	8	3	3
(2560*1920)*9M*6 (single P-frame)	11	10	7	4	3

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