

iVMS-4200 VS Client Software

iVMS-4200 VS is versatile video management software for the DVRs, NVRs, IP cameras, encoders, etc. It provides multiple functionalities, including real-time live view, video recording, remote search and playback, file backup, alarm receiving, etc., for the connected devices to meet the needs of small and medium-sized projects.

With the flexible distributed structure and easy-to-use operations, iVMS-4200 VS client software is widely applied to the surveillance project of financial, public security, military, telecommunications, transport, electricity, education, water conservancy industries, etc.

Key Feature

Live View

- View settings and instant playback
- Up to 64-window division for standard screen, and 48-window division for the wide screen
- Custom window division configurable
- Live view in fisheye mode for one or more fisheye cameras and supports Panorama, PTZ, Half Sphere, AR Half Sphere, and Cylinder modes
- Master-slave tracking
- Resuming the latest live view status after client restart

Recording

- Recording both main stream and sub-stream for playback (if device supports)
- Remote manual recording
- Recording schedule for continuous recording, event recording and command recording
- Providing SAN and Hybrid Storage Area Network configuration for Hybrid SAN device
- Video file overwritten and expired video file deleting

Event Management

- Camera linkage and multiple linkage actions
- Searching and exporting the linked pictures of events
- Audible warning and pop-up image when event triggered
- Receiving events in real-time, and retrieve the historical events
- Custom event sound as desired
- Receiving alarms of face arming
- Exporting historical events in Excel format
- Alarm linkage with added cameras, including pop-up live view, captured picture
- Subscribing alarm that the client can display in real-time alarm management when it is triggered
- Acknowledging the received alarm, viewing the alarm on E-map, etc.
- Real-time alarm management function



Playback

- Local and remote playback
- Instant playback, normal playback, alarm input playback, event playback, ATM playback, VCA playback, and fisheye playback
- Up to 16-ch synchronous playback
- Locating the playback time accurately
- Skipping unconcerned video during VCA playback
- Searching video files which contain POS information
- Providing player in the installation directory to view the downloaded video file
- Merging video files when downloading by date
- Downloading video file of devices added by Cloud P2P

Statistics

- Data statistics of heat analysis, people counting, counting, road traffic, face retrieval, license plate retrieval, behavior analysis, face capture, queuing-up time analysis, queue status analysis and intersection analysis
- Supports people counting by face attribute, and display the duplicated persons
- Showing large picture of face retrieval, license plate retrieval, and behavior analysis and the pictures can be exported for local storage
- Data retrieval for faces, human bodies, vehicles, behavior analysis related pictures and videos, persons who does not wear hard hats, and facial recognition check-in
- Search facial recognition check-in records
- Search frequently appeared persons and rarely appeared persons
- Supports AI dashboard retrieval function to search result for imported picture analysis task

Network

- Encoding devices, Cloud P2P devices, stream media servers connectable
- Checking device's online users
- NTP protocol for time synchronization
- Searching the active online devices
- Adding devices by Cloud P2P which have been added to the Cloud P2P account
- Adding devices by HiDDNS and IP Server; batch importing devices
- Two-way audio and broadcast function
- Enable transmission encryption using TLS (Transport Layer Security) protocol when adding a device

PTZ Control

- Remote PTZ control, preset, patrol, and pattern settings
- 3D positioning, auxiliary focus, and wiper function
- Displaying analog speed dome's local menu via PTZ control panel
- PTZ control of one-touch patrol and one-touch park
- Supports lens de-icing heater and PT de-icing

Intelligence Application

- Provides face application function to show face comparison alarm for the persons in the blacklist, VIP and regular customer
- Provides multi-target-type detection function to recognize and capture multiple types of detection targets
- Displaying results of Hikvision AI open platform
- Viewing two different channels (one fixed channel and one PTZ channel) of a device simultaneously
- Receiving enforcement alarms, traffic accident alarms, and road traffic alarms

Security Control

- Adding zone as hot spot on E-map and viewing the video of the linked camera
- Accessing AX-series security control device
- Supports radar configuration, including drawing zones, drawing trigger line, setting master-slave tracking, setting parking points for linked camera, setting map calibration

General

- Applied in local area network and wide area network
- Facial identification device such as DeepinView and DeepinMind
- Transmission encryption when logging with SDK over TLS mode
- Remote configuration for added devices
- User permission management
- Creating a password to activate devices. For device which supports Hik-Connect, enabling Hik-Connect service when activating it
- Resetting device password
- Hardware decoding for live view and playback
- Setting email when activating devices, and resetting the password of devices by the email
- Downloading video files to PC in MP4 and AVI format
- Log search and backup
- Importing and exporting configuration file
- Auto backing up database according to the configured schedule
- Add online devices registered to Hik-Connect after logging into Hik-Connect
- Upgrade client and device firmware after getting new versions
- E-map function. Adding, deleting, editing and view e-map, zooming in/out and moving the e-map
- Provides topology management module to monitor network health status of connected devices

Specification

Model			iVMS-4200 VS
Database			SQLite (encrypted)
Client	General	User	50 users and one super user
		Encoding Device	256
		Group	256 groups 256 channels for each group
		Channel	256 channels for all groups
		Stream Media Server	16
		Items in Topology	256
		Smart Managed Switch	30
	Video	Live View	64-ch live view at a time on one screen
		Playback	16-ch playback at a time
		Synchronous Playback	16-ch synchronous playback
		Downloading	16-ch downloading tasks at a time
Stream Media Server	Incoming/Outgoing Stream	64-ch incoming video stream 200-ch outgoing video stream	
Supported Language			Arabic, Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Serbian, Simplified Chinese, Slovak, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese

System Requirement

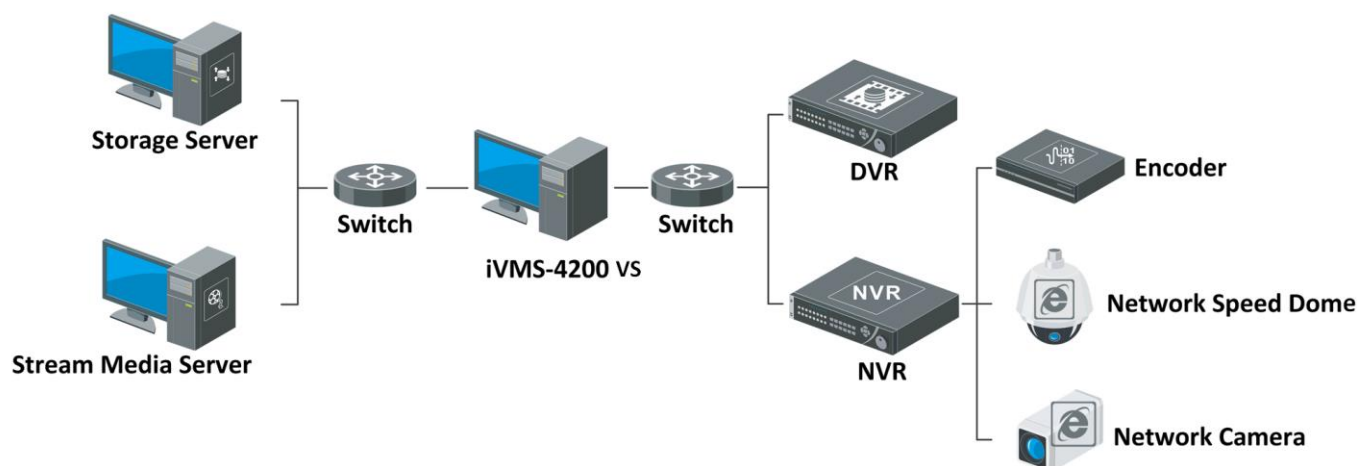
* For high stability and good performance, the following system requirements must be met.

Features	Requirements
Operating System	Microsoft® Windows 7 SP1 and above (32-bit or 64-bit) Microsoft® Windows 8.1 (32-bit or 64-bit) Microsoft® Windows 10 (32-bit or 64-bit) Microsoft® Windows Server 2008 R2 and above (32-bit or 64-bit) Microsoft® Windows Server 2012 R2 and above (32-bit or 64-bit)
CPU	Intel® Core™ i3 Processors and above
Memory	2 GB or above
Resolution	1280×768 and above

Live View Performance

H.264 (Software Decoding)											
Resolution	Bit Rate (Mbps)	Frame Rate (fps)	CPU: i3-8100@3.60GHz Graphics Card: GT1030 Windows 10 64-bit			CPU: i5-9400@2.9GHz Graphics Card: GTX1050Ti Windows 10 64-bit			CPU: i7-8700k@3.7GHz Graphics Card: GTX2080x2 Windows 10 64-bit		
			Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)
1080P	6	30	11	79-88	150.9	18	86-88	156.4	27	86-89	173.4
8MP	12	30	4	73-80	169.4	5	76-87	95.6	7	72-82	194.3
H.264 (Hardware Decoding)											
Resolution	Bit Rate (Mbps)	Frame Rate (fps)	CPU: i3-8100@3.60GHz Graphics Card: GT1030 Windows 10 64-bit			CPU: i5-9400@2.9GHz Graphics Card: GTX1050Ti Windows 10 64-bit			CPU: i7-8700k@3.7GHz Graphics Card: GTX2080x2 Windows 10 64-bit		
			Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)
1080P	6	30	27	86-89	154.3	18	86-88	99.3	11	79-88	133.9
8MP	12	30	7	72-82	154.2	5	76-87	176.6	4	73-80	169.8
H.264+											
Resolution	Bit Rate (Mbps)	Frame Rate (fps)	CPU: i3-8100 Graphics Card: GT1030 D5 Windows 7 64-bit			CPU: i5-4590@3.3GHz Graphics Card: GTX970 Windows 7 64-bit			CPU: i7-6700k@4GHz Graphics Card: GTX1070 Windows 7 64-bit		
			Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)
720P	3	30	24	62-84	1,208	27	63-90	1,382	48	53-80	1,125
1080P	6	30	11	60-89	1,024	12	61-90	1,536	21	80-90	1,161
8MP	12	30	-	-	-	3	70-91	686	6	64-92	1,249
H.265											
Resolution	Bit Rate (Mbps)	Frame Rate (fps)	CPU: i3-8100 Graphics Card: GT1030 D5 Windows 7 64-bit			CPU: i5-4590@3.3GHz Graphics Card: GTX970 Windows 7 64-bit			CPU: i7-6700k@4GHz Graphics Card: GTX1070 Windows 7 64-bit		
			Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)	Channels	CPU(%)	Memory(MB)
720P	3	30	14	69-91	1,054	15	70-90	850	26	71-89	1,251
1080P	6	30	8	64-81	1,105	8	60-85	1,239	15	70-88	1,284
8MP	12	30	-	-	-	2	77-92	666	3	51-64	1,075

Typical Application



Distributed by

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