iVMS-4200 Client Software V3.1.1
Release Notes

User Manual

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Chapter 1 Introduction

1.1 Overview

iVMS-4200 is versatile video management software for the DVRs, NVRs, IP cameras, encoders, access control devices, security control panels, video intercom devices, VCA devices, 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.

1.2 Product Version

Product Name	Date
iVMS-4200 V3.1.1	2019-07

1.3 Related Component Versions

Related Component	Version	Date	Latest Version or not
Player	V7.3.7.38	2019-06-18	Yes
EHome SDK	V 2.1.1.1	2019-06-18	Yes
Network SDK	V 6.1.0.20	2019-07-05	Yes

Chapter 2　What's New

2.1　Added

Type	Feature	Description
Video	Live View & Playback	Supports fluent live view and playback when the bandwidth is low.
		Optimized operations of fisheye camera's live view and playback.
	Double Verification	Provides double-verification for devices added by user accounts which are not admin.
	Fisheye Expansion Mode	Added new fisheye expansion mode and supports expansion of multiple fisheye cameras simultaneously.
E-Map	Hot Spot	Added alarm output and zone as hot spots.
Access Control	Relay of Elevator Controller	Supports configuring relay for elevator controller.
	Attendance Mode on the Device	Supports setting the attendance mode on the device via the client.
Attendance	Timetable	Added flexible timetable type.
	Attendance Calculation Accuracy	Supports setting the calculation accuracy for different attendance statistic items.
General	Change Skins	Provides two skins to change.
	Software Upgrade	Added upgrading mode and detection configuration.
	Backup	You can customize the saving path of the configuration files.
	Device Firmware Upgrade	You can select different upgrading mode.
	Data Transmission	Added certificate verification for transmission encryption.
	Change Password	You can change the client's password if you forget it.
	Multi-Language	Added more languages, totally 33 languages.

2.1.1 Main View & Remote Playback

1. Supports switching video stream type and setting Adaptive UDP as camera's protocol type for better performance of live view and playback when the bandwidth is low.
2. For NVR which is added to the client by device's user name (except admin), if Double Verification is enabled on this NVR, when playing back videos on the client, downloading or backing up video files, you will be required to enter the user name and password created for double verification.
3. Added two fisheye expansion modes: half sphere and AR half sphere. Supports simultaneous fisheye expansion of multiple devices.
4. Optimized interfaces of live view and playback of fisheye camera, and made operations easier. Compared with the former versions, you can start fisheye expansion in a quick manner; live view & playback window will embed in the client page.

2.1.2 E-Map

Supports adding alarm output and zone to e-map as hot spots. So that you are able to locate alarms in a quick manner.

2.1.3 Elevator Control

Supports configuring relay for elevator controller, including configuring the relationship between relay and floor and configuring the relay types.

2.1.4 Attendance

1. Supports setting the timetable type as flexible.
2. Optimizes the attendance calculation accuracy: Supports setting the calculation accuracy for different attendance statistic items (e.g. late, early leave, leave duration), including the minimum time (0.5 and 1), unit (hour, workday minute) and round-off control rule (round down, round off, round up) for attendance calculation.
3. Added flexible attendance report in the Attendance Statistics module.
4. Supports setting the attendance mode on the device via the client. Supports setting the attendance parameters as check in, check out, break out, break in, overtime in and overtime out on the device, and the attendance results of the device can be synchronized to the client.

2.1.5 Video Intercom

Supports remote configuration for video intercom devices (e.g. microphone), and supports updating the firmware of the video intercom device on the Remote Configuration page.

2.1.6 General

1. Provides two skins for customer to change: dark series and bright series.
2. Supports enabling/disabling new software version detection. After enabling this function, the client can automatically detect the new software version and remind the user to upgrade.
3. Supports setting auto-upgrade rule for device firmware. If Auto-Upgrade Device is enabled, a prompt will pop up to guide the upgrade when a newest version is detected.
4. Supports downloading configuration files in the database to a customized path regularly. So that you can import the downloaded files to other client for a quick configuration.
5. Provides convenient upgrade modes of device firmware. Upgrade mode varies according to different device type. We provides auto-upgrade and upgrade prompts, or you can select multiple devices to upgrade in a batch.
6. Supports enabling transmission encryption using TLS (Transport Layer Security) protocol for security purpose when adding devices. You can set the verify certificate required or not when enabling transmission encryption using TLS (Transport Layer Security) protocol.
7. Supports changing password for login. If you forget your password, you can change it after entering the answers to the predefined security questions.
8. Supports 33 languages by multi-language package, including:
   Arabic, Bulgarian, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Portuguese (Brazil), Romanian, Russian, Serbian, Simplified Chinese, Slovak, Slovenian, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Ukrainian, Vietnamese.
   Note: Supports plug-in for Arabic, whose character sorting is from right to the left.

2.2 Updated

Type	Feature	Description
Video	Live View & Playback	Optimized the window division function.
	Remote Playback	Optimized the operation of on the Remote Playback page.
Monitoring	Elevator Controller's Icon	Optimize the elevator controller's icon in Monitoring module.
Access Control	M1 Card Encryption	Supports 16 internal sectors when enabling M1 card encryption.
Attendance	Time bar for Setting Timetable	Supports time bar to display the configuration results when setting timetable.
	Attendance Data Auto Calculation	Supports automatically calculating the attendance data.

General	Third-Party Database	Optimize the processing of synchronizing data to third-party database.

2.2.1 Main View & Remote Playback

1. Optimized window division function. Supports customizing the dimension of live view & playback window division to meet various screen types.
2. After switching to camera playback/event playback/ATM playback/POS playback, the playback image will be reserved.

2.2.2 Monitoring

Optimize the elevator controller's icon in Monitoring module, to differentiate with the access control device's icon.

2.2.3 Elevator Control

Optimize the elevator controller's icon in Monitoring module, to differentiate with the access control device's icon.

2.2.4 Access Control

Supports 16 internal sector when enabling M1 card encryption, which meets the users' needs.

2.2.5 Attendance

1．Supports time bar to display the configuration results (e.g. work-time, valid time of check-in/check-out, late/early leave allowable time) when setting timetable, which provides a better visual for the users to understand the configuration.
2．Supports automatically calculating the attendance time according to the start-work time and end-work time you set when setting attendance timetable.

2.2.6 General

During synchronizing authentication record to third-party database, if the client disconnects with the third-party database, the client will try to reconnect every 30 min. After reconnected, the client will synchronize the data recorded during the disconnected time period to the third-party database.

Chapter 3 Resolved Issues

This chapter describes the known issues in history version that have been resolved in the current version.

Issue	Description
Face Picture Proportion Defect	Proportionated the face picture in related interfaces including face picture capturing, person importing.
Halting During Remote Playback	Solved the problem that the playback may halt after transcoding.
Time Synchronization Exception During Playback	Solved the problem that the time in the upper-right corner of playback window is not synchronized after selecting a date in synchronous playback mode.
Prompt's Location	Solved the problem that prompts are displayed on the master screen instead of the auxiliary screen when operating on the auxiliary screen.
Parts of the Time & Attendance module are displayed on the main screen when using auxiliary screen.	The drop-down list and the prompt information of the right-lower conrner are on the main screen when accessing the Time & Attendance module on the auxilary screen.

See Far, Go Further