



# HikCentral Professional

## Release Notes



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# 1 Updates in V2.4.510

## 1.1 [New] Education

This version adds the Education module.

### Note

There are four different roles involved in this module: system administrator, education administrator, class teacher, and course teacher. For details about what functions that different roles can access, refer to the *HikCentral Professional Web Client User Manual*.

## Education Data Management

1. Supports viewing the overview of education data management.

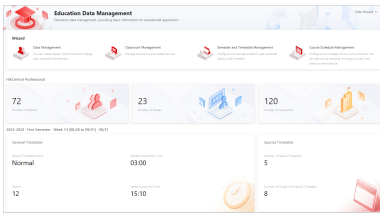


Figure 1-1 Education Data Management Overview

2. Supports adding class areas and classes. Supports importing students to classes.

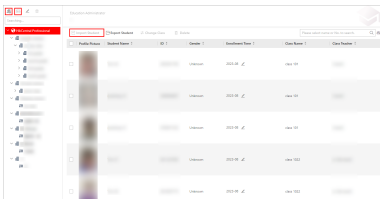


Figure 1-2 Manage Class

3. Supports adding classroom areas and classrooms. Supports linking attendance check cameras, access point, and course inspection cameras to the classroom. Supports applying course schedules automatically to attendance check cameras.

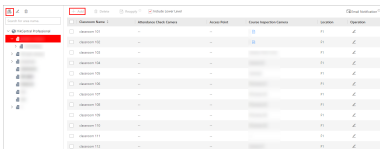


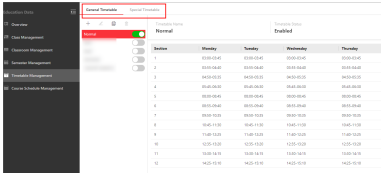
Figure 1-3 Manage Classroom

4. Supports adding, editing, and deleting semesters.



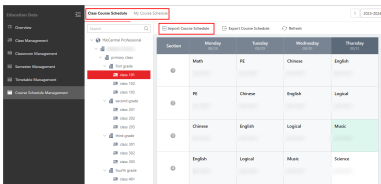
**Figure 1-4 Manage Semester**

5. Supports adding, editing, and deleting timetables, including general timetables and special timetables.



**Figure 1-5 Manage Timetable**

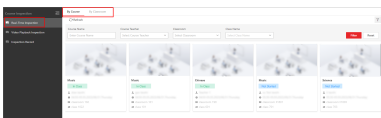
6. Supports importing course schedules via the template. Supports viewing class course schedules and my course schedules. Supports exchanging courses.



**Figure 1-6 Manage Course Schedule**

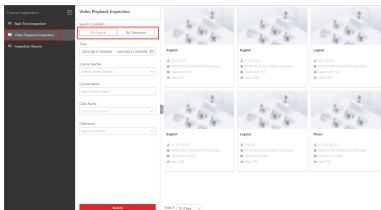
## Course Inspection

1. Supports real-time course inspection by course or by classroom. Supports submitting evaluation of courses.



**Figure 1-7 Real-Time Inspection**

2. Supports video playback inspection by course or by classroom. Supports submitting evaluation of courses.



**Figure 1-8 Video Playback Inspection**

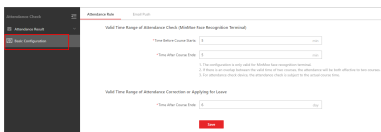
3. Supports viewing and exporting course inspection records.

Classroom	Class Name	Class/Time	Course Teacher	Inspection Type	Inspection Time	Inspector	Operation
Classroom 100	Class 101	English (2023/05/10 Thursday 14:50-15:50)	Alice Smith	By Course	2023/05/10 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	English (2023/05/10 Thursday 15:00-15:45)	Alice Smith	By Course	2023/05/10 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	Chinese (2023/05/10 Thursday 08:00-08:45)	no Test bench	By Course	2023/05/10 14:00:01	Bob Johnson	🗑️
Classroom 100	Class 101	Math (2023/05/10 Thursday 09:00-09:45)	no Test bench	By Classroom	2023/05/10 10:00:04	Bob Johnson	🗑️
Classroom 100	Class 101	Science (2023/05/10 Thursday 10:00-10:45)	no bench	By Course	2023/05/10 10:00:01	Bob Johnson	🗑️
Classroom 100	Class 101	Math (2023/05/10 Thursday 09:00-09:45)	no bench	By Course	2023/05/10 09:00:01	Bob Johnson	🗑️
Classroom 100	Class 101	Math (2023/05/10 Thursday 09:00-09:45)	Alice Smith	By Course	2023/05/10 09:00:04	Bob Johnson	🗑️
Classroom 100	Class 101	---	---	By Classroom	2023/05/10 10:00:02	Bob Johnson	🗑️
Classroom 100	Class 101	Art (2023/05/09 Wednesday 15:45-17:00)	Alice Smith	By Course	2023/05/10 10:00:02	Bob Johnson	🗑️
Classroom 100	Class 101	Geography (2023/05/09 Wednesday 11:00-11:45)	no bench, no test bench	By Course	2023/05/09 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	Geography (2023/05/09 Wednesday 11:00-11:45)	no bench, no test bench	By Course	2023/05/09 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	Geography (2023/05/09 Wednesday 11:00-11:45)	no bench, no test bench	By Course	2023/05/09 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	Geography (2023/05/09 Wednesday 11:00-11:45)	no bench, no test bench	By Course	2023/05/09 10:00:00	Bob Johnson	🗑️
Classroom 100	Class 101	Art (2023/05/09 Wednesday 15:45-17:00)	no bench	By Course	2023/05/09 10:00:00	Bob Johnson	🗑️

**Figure 1-9 Search Inspection Records**

## Class Attendance

1. Supports configuring basic parameters for attendance check.



**Figure 1-10 Basic Configuration**

2. (For class teachers and course teachers) Supports viewing attendance details of the courses that are ended.

Section	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Mark	PE 2	PE 4	Chinese	English	Legal	Music	Science
PE	PE 2	PE 4		Legal	Music	Science	Geography
Chinese				Music	Science	Geography	Political
English				Science	Geography	Political	Art

**Figure 1-11 My Course Attendance**

3. Supports viewing class attendance information.

Number of Class Students: 50

2023-2024 / First Semester / Week 13 (2023/06/27) / Current Week

Export / Refresh

Section	Monday 06/27	Tuesday 06/27	Wednesday 06/27	Thursday 06/27	Friday 06/27	Saturday 06/27	Sunday 06/27
Math	2	4	Chinese	English	Logical	Music	Science
PE	2	4	Chinese	English	Logical	Music	Science
Chinese	4	4	Chinese	English	Logical	Music	Science
English	4	4	Chinese	English	Logical	Music	Science

**Figure 1-12 Class Attendance**

- Supports setting conditions to search for and view a specific student's attendance information such as the course name and attendance result. Supports exporting the search results to local PC.

Student Attendance

Student: [Name] [Photo] Student No: 20001 Class Name: class 702 Teacher: [Name]

Export / Refresh

Course Name	Course Time 1	Course Time 2	Course Teacher	Classroom	Attendance 1	Export/Print
PE	16:00-16:20	2023/06/27	Primary	classroom F102	absent	
Math	15:30-15:50	2023/06/27	Primary	classroom F102	absent	
Organic	15:00-15:20	2023/06/27	Primary	classroom F102	absent	
Chemistry	14:30-14:50	2023/06/27	Primary	classroom F102	absent	
Art	14:00-14:20	2023/06/27	Primary	classroom F102	absent	
Political	13:30-13:50	2023/06/27	Primary	classroom F102	absent	
Biography	13:00-13:20	2023/06/27	Primary	classroom F102	absent	
Science	12:30-12:50	2023/06/27	Primary	classroom F102	absent	
Music	12:00-12:20	2023/06/27	Primary	classroom F102	absent	
Logical	11:30-11:50	2023/06/27	Primary	classroom F102	absent	
English	11:00-11:20	2023/06/27	Primary	classroom F102	absent	
Chinese	10:30-10:50	2023/06/27	Primary	classroom F102	absent	
Math	10:00-10:20	2023/06/27	Primary	classroom F102	absent	
Organic	9:30-9:50	2023/06/27	Primary	classroom F102	absent	
Chemistry	9:00-9:20	2023/06/27	Primary	classroom F102	absent	
Art	8:30-8:50	2023/06/27	Primary	classroom F102	absent	
Political	8:00-8:20	2023/06/27	Primary	classroom F102	absent	

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**Figure 1-13 Student Attendance**

## Student Management

- Supports setting conditions to search for access control records, attendance check records, and face captured records of students in the school.

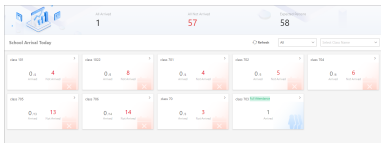
Result

Student: [Name] [Photo] Student No: 20001 Class Name: class 702

Time 1	Location	Device Name	Source	Captured Picture
00:11:10	---	---	Access Control Record	
00:03:04	---	---	Access Control Record	
08:00:00	classroom F101	---	Attendance Check Record (08:00 - 08:30 Present After Correction)	
05:55:40	classroom F101	---	Attendance Check Record (08:00 - 08:30 Present)	
08:06:20	---	---	Access Control Record	
06:16:07	classroom F102	---	Access Control Record	
06:29:41	classroom F101	---	Attendance Check Record (08:30 - 08:50 Present)	

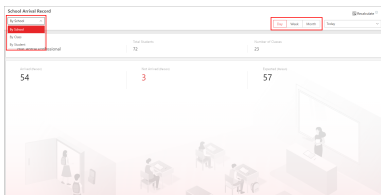
**Figure 1-14 Student Retrieval**

- Supports viewing the school arrival information on the current day.



**Figure 1-15 School Arrival Today**

3. Supports viewing school arrival records by school, class, or student on the daily, weekly, or monthly basis.



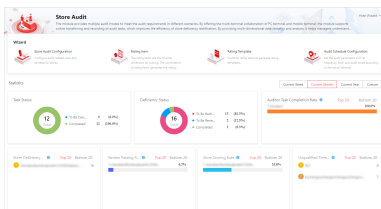
**Figure 1-16 School Arrival Record**

## 1.2 [New] Store Audit

Adds the module of Store Audit.

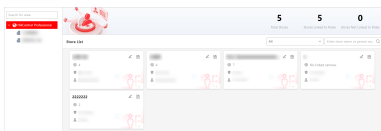
This module includes the following operations.

1. Supports the overview of the store audit data.



**Figure 1-17 Store Audit Overview Page**

2. Configuring auditors and rectification personnel for stores.



**Figure 1-18 Store Audit Configuration**

3. Linking cameras to stores.

4. Adding, editing, and deleting rating categories.

5. Adding, editing, and deleting rating items.

6. Importing rating items via a template.

7. Using rating item template in XLSX format.

## 8. Adding, editing, and deleting a rating template.

**Add Rating Template**

\*Rating Template Name:

Copy From:

Description:

Total Score: 0

\*Linked Rating Item

Rating Category Name	Operation
Select Rating Category	

No.	Rating Item Name	Dedicated Points	Description	Operation
1	Select Rating Item	-		

+ Add Rating Item

+ Add Rating Category

OK Cancel

**Figure 1-19 Add a Rating Template**

## 9. Adding, editing, and deleting audit schedules.

**Add Audit Schedule**

**Time Template**

\*Task Execution Cycle:  Every Day,  Every Week,  Every Month,  Specified Date

\*Execution Time: 00:30

\*Validity Period: 2023-08-13 - 2023-08-13

\*Task Execution Deadline:  Minute(s)

**Audit Mode**

\*Audit Mode:  On-Site Audit,  Remote Audit

\*Enable Capturing Function:  Yes,  No

**Rating Item**

\*Rating Template: Please select.

Save Cancel

**Figure 1-20 Add an Audit Schedule**

## 10 Viewing and executing audit tasks.

Select View: [Dropdown]

Audit Program: [Dropdown] Unqualified Item: [Dropdown] Dedicated Points: [Dropdown] Score: [Dropdown]

08:25:28.23

Camera 01

Rating Item

Qualification Status:  Qualified,  Unqualified

Description:

Media Capture:  On,  Off

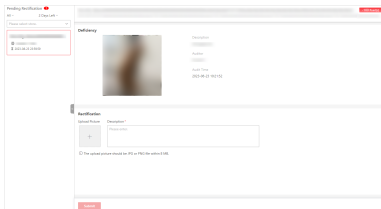
Upload Picture:

Start

**Figure 1-21 Perform an Audit Task**

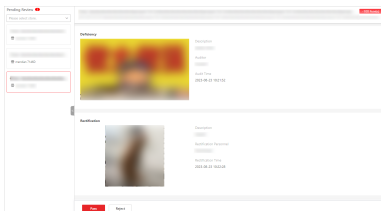
## 11 Viewing and executing rectification tasks.





**Figure 1-22 Submit Rectification Results**

12 Viewing pending review tasks and reviewing rectifications.



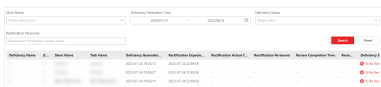
**Figure 1-23 Review a Rectification**

13 Viewing the task list.



**Figure 1-24 Task List**

14 Viewing the deficiency list.



**Figure 1-25 Deficiency List**

15 Backing up and restoring the configuration file of store audit.

16 Viewing license details of the store audit module.

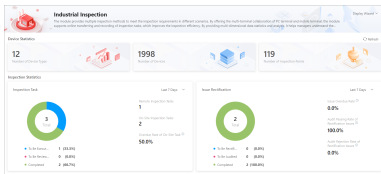
17 Setting the retention period of audit tasks and deficiency list.

18 Configuring permission of audit and record viewing for users.

### 1.3 [New] Industrial Inspection

Adds the module of Industrial Inspection.

1. Supports the overview of the industrial inspection data.



**Figure 1-26 Industrial Inspection Overview Page**

2. Supports configuring the on-site inspectors, reviewers, rectification personnel, and auditors.

Name	Phone No.	Email	Profile Picture	Role Type
[Name]	[Phone No.]	[Email]	[Profile Picture]	Inspector/Reviewer/Rectification Personnel/Auditor
[Name]	[Phone No.]	[Email]	[Profile Picture]	Inspector/Reviewer/Rectification Personnel/Auditor
[Name]	[Phone No.]	[Email]	[Profile Picture]	Reviewer
[Name]	[Phone No.]	[Email]	[Profile Picture]	Inspector/Reviewer/Rectification Personnel/Auditor
[Name]	[Phone No.]	[Email]	[Profile Picture]	Inspector/Reviewer/Rectification Personnel/Auditor

**Figure 1-27 Role Management**

3. Supports adding, deleting, editing, and searching for device types, device parts, and sub-parts.

Search for device type or...

- Device Type
  - Device A
  - Device B
  - Device C
  - Device D
  - Device E
  - Device F
  - Device G
  - Device H
  - Device I
  - Device J
  - Device K
  - Device L
  - Device M
  - Device N
  - Device O
  - Device P
  - Device Q
  - Device R
  - Device S
  - Device T
  - Device U
  - Device V
  - Device W
  - Device X
  - Device Y
  - Device Z
- Device Part
  - Sub-Part 1
  - Sub-Part 2
  - Sub-Part 3
  - Sub-Part 4
  - Sub-Part 5
- Sub-Part

Inspection Point | Inspection Mode | Operation

off | On-Site Inspection | Add Inspection Point

**Figure 1-28 Device Type List**

4. Supports adding, deleting, editing, and searching for inspection points.

5. Supports adding, deleting, editing, and searching for production equipment.

6. Supports linking inspection points to detection points.

7. Supports adding, deleting, editing, and searching for inspection schedules, including on-site inspection, remote inspection by picture capture, and AI inspection.

Name	Schedule Name	Inspection Mode	Number of Inspection Points	Task Execution Deadline	Schedule Status	Task Execution Cycle	Schedule Update Time	Operation
[Name]	[Schedule Name]	On-Site Inspection	4	12 min	Enabled	Every Day	2023/02/14 15:12	[Icon]
[Name]	[Schedule Name]	Remote Inspection	2	—	Enabled	Every Day	2023/02/14 15:12	[Icon]
[Name]	[Schedule Name]	AI Inspection	2	—	Enabled	Every Day	2023/02/14 15:12	[Icon]
[Name]	[Schedule Name]	On-Site Inspection	2	22 min	Enabled	Every Month	2023/02/14 15:00	[Icon]
[Name]	[Schedule Name]	On-Site Inspection	2	22 min	Enabled	Every Month	2023/02/14 15:00	[Icon]
[Name]	[Schedule Name]	AI Inspection	2	—	Enabled	Every Day	2023/02/14 15:00	[Icon]
[Name]	[Schedule Name]	On-Site Inspection	2	10 min	Enabled	Every Day	2023/02/14 15:00	[Icon]
[Name]	[Schedule Name]	Remote Inspection	1	—	Enabled	Every Day	2023/02/14 15:00	[Icon]
[Name]	[Schedule Name]	AI Inspection	1	—	Enabled	Every Day	2023/02/14 15:00	[Icon]

**Figure 1-29 Inspection Schedule List**

8. Support viewing the task list and task details.

Task Name	Task Area	Inspection Mode	Inspector	Reviewer	Task Generation Time	Task Actual Complete	Task Status
Remote Inspection by PC User Captain	...	...	...	...	2023-08-24 10:11	2023-08-24 10:11	Completed
On-Site Inspection	...	...	...	...	2023-08-10 13:09	---	To Do Next...
On-Site Inspection	...	...	...	...	2023-08-10 13:09	2023-08-10 13:07	Completed
Remote Inspection by PC User Captain	...	...	...	...	2023-08-10 14:59	---	To Do Next...
AI Inspection	...	...	...	...	2023-08-10 14:59	---	To Do Next...
Remote Inspection by PC User Captain	...	...	...	...	2023-08-10 14:59	2023-08-14 14:07	Completed
Remote Inspection by PC User Captain	...	...	...	...	2023-08-10 14:59	---	To Do Next...
Remote Inspection by PC User Captain	...	...	...	...	2023-08-10 13:58	2023-08-14 13:02	Completed
Remote Inspection by PC User Captain	...	...	...	...	2023-08-10 20:00	---	To Do Next...
Remote Inspection by PC User Captain	...	...	...	...	2023-08-14 14:59	---	To Do Next...

**Figure 1-30 Task List**

9. Support viewing the issue list and issue details.

Inspection Point	Task	Device	Device ID	Part No.	Part No.	Author	Issue Generation Time	Rectification Expires	Rectification Actual	Audit Completion Time	Priority	Issue Status
...	...	...	...	...	...	...	2023-08-24 10:11	2023-08-24 23:59	2023-08-24 10:11	2023-08-24 10:11	...	Completed
...	...	...	...	...	...	...	2023-08-10 13:07	2023-08-10 23:59	2023-08-10 13:09	2023-08-10 13:09	...	Completed
...	...	...	...	...	...	...	2023-08-10 13:02	2023-08-10 23:59	---	---	...	To Do Next...
...	...	...	...	...	...	...	2023-08-14 10:07	2023-08-14 23:59	2023-08-14 11:28	2023-08-14 11:28	...	To Do Next...
...	...	...	...	...	...	...	2023-08-14 14:07	2023-08-14 23:59	2023-08-14 13:21	2023-08-14 14:07	...	Completed
...	...	...	...	...	...	...	2023-08-10 20:00	2023-08-10 23:59	2023-08-10 21:07	2023-08-10 21:07	...	Completed
...	...	...	...	...	...	...	2023-08-10 13:07	2023-08-10 23:59	2023-08-10 13:08	2023-08-10 13:08	...	Completed
...	...	...	...	...	...	...	2023-08-10 13:02	2023-08-10 23:59	2023-08-10 13:09	2023-08-10 13:09	...	Completed
...	...	...	...	...	...	...	2023-08-10 14:59	2023-08-10 23:59	2023-08-10 15:04	2023-08-10 15:04	...	Completed
...	...	...	...	...	...	...	2023-08-10 14:59	2023-08-10 23:59	2023-08-10 15:04	2023-08-10 15:04	...	Completed
...	...	...	...	...	...	...	2023-08-14 14:59	2023-08-10 23:59	2023-08-10 15:03	---	...	To Do Next...
...	...	...	...	...	...	...	2023-08-10 20:00	2023-08-10 23:59	---	---	...	To Do Next...

**Figure 1-31 Issue List**

10 Supports performing on-site inspection tasks on the Mobile Client.

11 Supports performing the pending review tasks on the Web Client.

**Review** Submit

Review Progress: 0/4

Area	Device Name	Device Type	Part Name	Inspection Point	Inspection Time	Review Status
...	Device1	...	1	part02	2023/08/24 13:08	To Do Rectified
...	Device1	...	2	part02	2023/08/24 13:08	To Do Rectified
...	Device1	...	1	part02	2023/08/24 13:08	To Do Rectified
...	Device1	...	2	part03	2023/08/24 13:08	To Do Rectified

**Description**

Review Result\*

Normal

Abnormal

Rectification Required or Not\*

Yes

No

Description\*

Mark on PICTURE


OK Reset

**Figure 1-32 Review Page**

12 Supports rectifying issues on the Mobile Client and Web Client.

**Rectification**

**Issue Information**



Area: ...

Device Name: Device1

Device Type: ...

DeviceType: ...

Inspection Point Name: part01

Submission: ...

Device Name: Device1

Part Name: 1

Review Time: 2023-08-25 09:57

Description: Abnormal

**Rectification**

Upload Picture

The upload picture should be .JPG or .PNG file within 8 MB.

Submit


**Figure 1-33 Rectification Page**

13 Supports auditing rectifications on the Web Client.

🔍 Audit

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#### Issue Information



Area	000	Issue Name	20000
Issue Type	200000001	Alt Name	0
Inspector Name	00000	Issue Date	2023-08-24 14:00
Location	00000	Inspector	000000

---

#### Verification



Issue Code	0000
Verification/Comment	0000
Verification Date	2023-08-24 14:00

---

#### Audit

Upload From	Description *
+	<input type="text" value="Please enter"/>

\* The photograph(s) should be JPG or PNG file within 1 MB.

Save
Print

**Figure 1-34 Audit Page**