



Body Worn Camera
CONFIGURATION GUIDE

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Contents

Documentation Information	1
1. Overview	3
2. Smart MDM Professional Preparation	4
2.1 Preinstallation	4
2.2 Installation.....	4
2.3 Basic Operations	5
2.3.1 Login.....	5
2.3.2 Logout.....	6
2.4 (Optional) System License Import.....	6
3. Asset Management.....	7
3.1 Asset Management as a Super Administrator.....	7
3.1.1 Group Management.....	7
3.1.2 Role Management	8
3.1.3 Administrator Management.....	9
3.1.4 Administration Station Management	10
3.1.5 Workstation Management.....	12
3.1.6 Device Management.....	13
3.2 Asset Management as a Common Administrator.....	14
4. BWC Connection	16
5. BWC Management	18
5.1 Creating a Temporary Group	18
5.2 Adding a BWC to a Temporary Group	18
5.3 Sending a Command to a BWC	19
6. Firmware Management	20
6.1 Uploading the Firmware.....	20
6.2 Pushing the Firmware	20
7. Task Management	22
7.1 Adjusting the Task Time	22
7.2 Terminating a Task	22
8. Programming by Template	24
8.1 Creating a Template	24
8.2 Programming After Reading	25
8.3 Importing a Template	26
9. Report Management.....	28
10. Public Parameter Configuration.....	29
10.1 Basic Settings	29
10.2 User Information	29

10.3 Video.....	29
10.4 Photo	30
10.5 Security.....	30
10.6 BT	31
10.7 WLAN	31
11. Abbreviations	33

Documentation Information

This section describes the conventions and revision history of this document.

Documentation Conventions

Instruction Conventions

Icon	Description
 Tip	Indicates information that can help you make better use of your product.
 Note	Indicates references that can further describe the related topics.
 Caution	Indicates situations that could cause data loss or equipment damage.
 Warning	Indicates situations that could cause minor personal injury.
 Danger	Indicates situations that could cause major personal injury or even death.

Notation Conventions

Item	Description	Example
Boldface	Denotes menus, tabs, parameter names, window names, dialogue names, and hardware buttons.	To save the configuration, click Apply .
		The Log Level Settings dialogue box appears.
		Press the PTT key.
" "	Denotes messages, directories, file names, folder names, and parameter values.	The screen displays "Invalid Battery!".
		Open "PDT_PSS.exe".
		Go to "D:/opt/local".
		In the Port text box, enter "22".
>	Directs you to access a multi-level menu.	Go to File > New .
<i>Italic</i>	Denotes document titles.	For details about using the DWS, refer to the <i>Dispatch Workstation User Guide</i> .
Courier New	Denotes commands and their execution results.	To set the IP address, run the following command: vos-cmd - m name IP

Revision History

Document Version	Product Version	Release Date	Description
00	V1.0	November 2019	Initial release.

1. Overview

This document instructs you how to configure the VM580D Body Worn Camera (BWC) through the Smart Mobile Device Management (MDM) Professional. Connecting your BWCs to the Smart MDM Professional through the wired or wireless mode, you can program and upgrade the BWCs in batches.

2. Smart MDM Professional Preparation

2.1 Preinstallation

Before installing the Smart MDM Professional, prepare the items listed in the following table.

Item	Requirement
Installation package of the Smart MDM Professional	Contact your dealer to obtain the package of the V2.7.04.000.
System license (optional)	Used to authorize the number of manageable devices and obtain the permanent usage right of the Smart MDM Professional. Contact your dealer to obtain the license.  Note The trial period of the Smart MDM Professional is 90 days. During the trial period, the Smart MDM Professional can manage up to two Smart MDM Professional clients, up to 50 multi-mode advanced radios, and other devices without number limit. If the trial period expires or you want to manage more devices, import a system license.
Connection mode, IP address, and port number of the Smart MDM Professional server	Contact the server administrator to obtain these items.
Documentation package of the BWC	Contact your dealer to obtain the documentation package (.zip).
Installation package of the Integrated Device Station (IDS)	Contact your dealer to obtain the package of the V2.7.04.000.
PC45 programming cable	Used to connect the BWC to the Smart MDM Professional. Contact your dealer to obtain the cable.

2.2 Installation

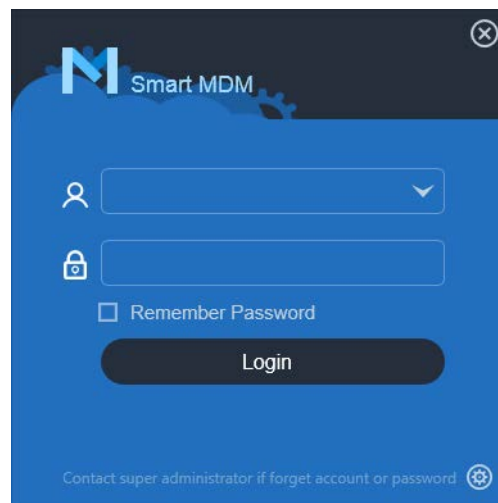
Install the Smart MDM Professional client and IDS.

2.3 Basic Operations

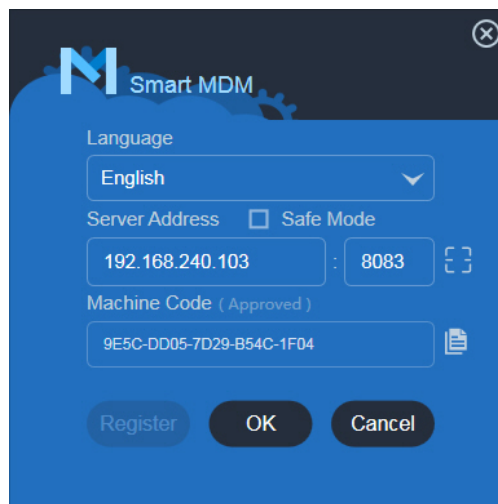
2.3.1 Login

If you are a common administrator, submit a request to register with an administrator station before logging in to the Smart MDM Professional client for the first time. You can log in to the client only after your request is approved by the super administrator

1. Start the Smart MDM Professional client.
2. In the lower-right corner of the login interface, click .



3. Enter the IP address and port number of the Smart MDM Professional server, and then click **OK**.



4. Enter the user name and password of the super administrator, and then click **Login**.

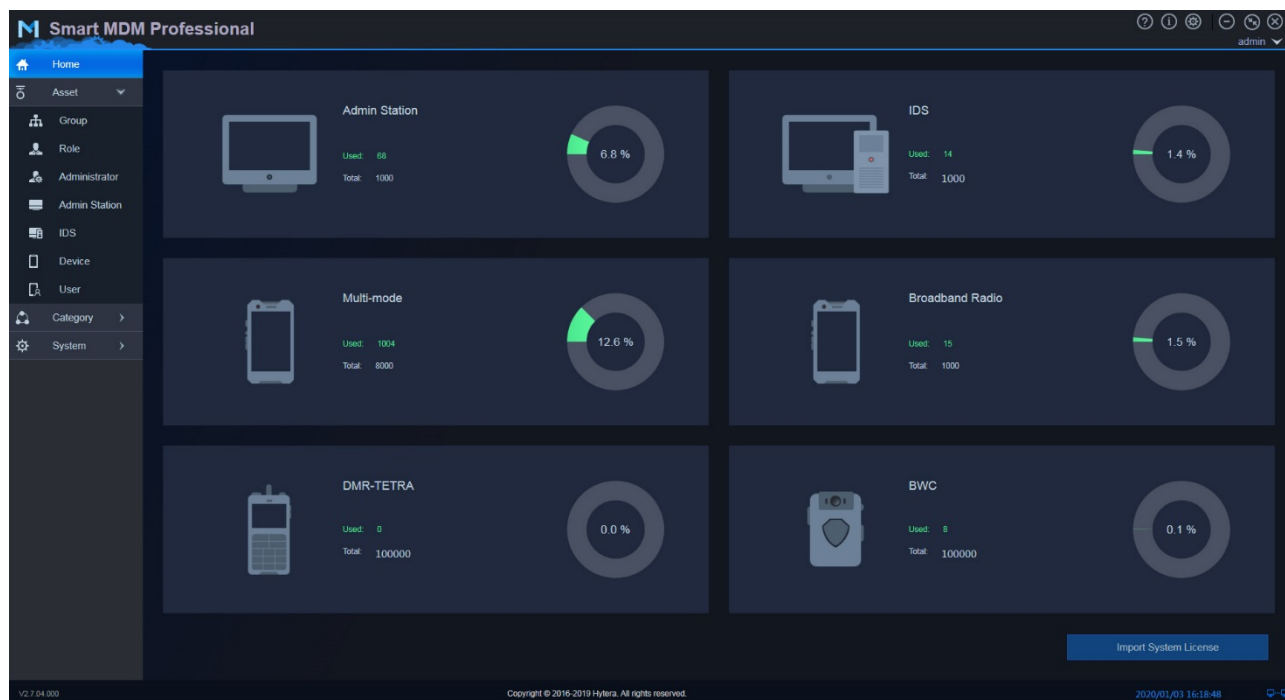
The default user name and password of the super administrator are "admin" and "111111" respectively. You can select **Remember Password** to make the system save your login information for the next login.

2.3.2 Logout

In the upper-right corner of the main interface, click your account, and then select **Logout**.

2.4 (Optional) System License Import

1. Log in to the Smart MDM Professional client as the super administrator ("admin").



2. In the lower-right corner of the **Home** tab, click **Import System License**, and then select the license file from the local folder.

3. Asset Management

3.1 Asset Management as a Super Administrator

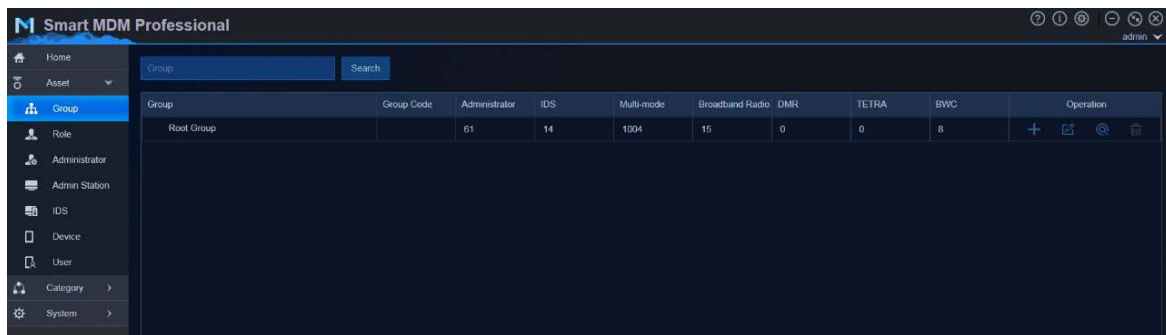
As a super administrator, you can manage assets including groups, roles, common administrators, administration stations, IDSs, and devices.

3.1.1 Group Management

The Group Management feature allows you to manage the IDSs, BWCs, and common administrators in groups.

Creating a Group

1. In the left navigation pane, go to **Asset > Group**.



2. In the **Operation** column, click .

The **New** dialog box appears.

3. Enter the name, code, and description of the group, and then click **OK**.

Related Operation

If you want to...	Then ...
Search for a group	In the search box, enter the group name, and then click Search .
View group details	In the Operation column, click  following a group.

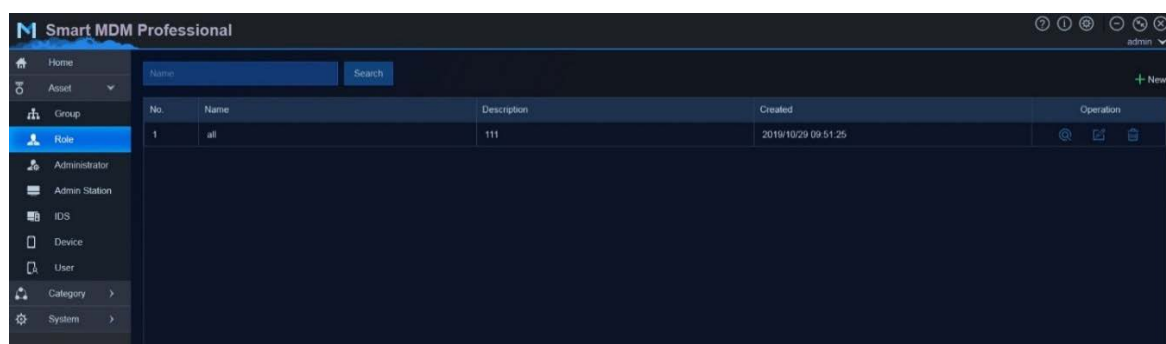
If you want to...	Then ...
	You can view the administrators, IDSs, and devices in this group.
Edit the group information	1. In the Operation column, click  following a group. 2. In the Edit dialog box, edit related parameters. 3. Click OK.
Delete a group	In the Operation column, click  following a group.

3.1.2 Role Management

The Role Management feature allows you to manage permissions of the common administrators by role.

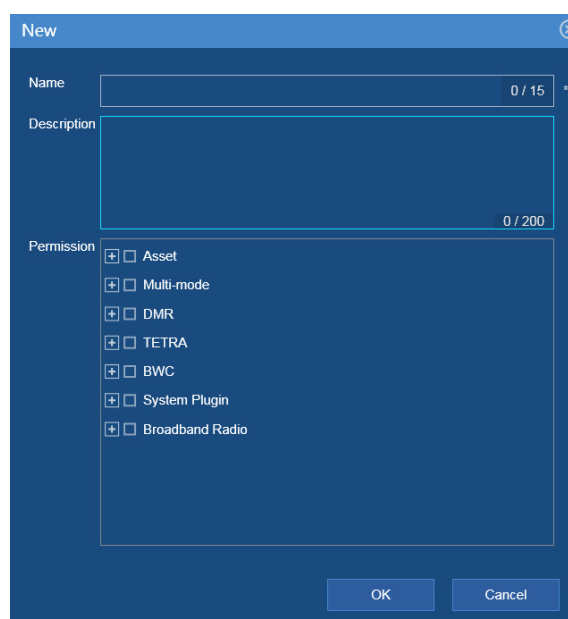
Creating a Role

1. In the left navigation pane, go to **Asset > Role**.



2. In the upper-right corner of the right pane, click **New**.

The **New** dialog box appears.



3. Enter the role name and description, and then select the permissions.

- Click **OK**.

Related Operation

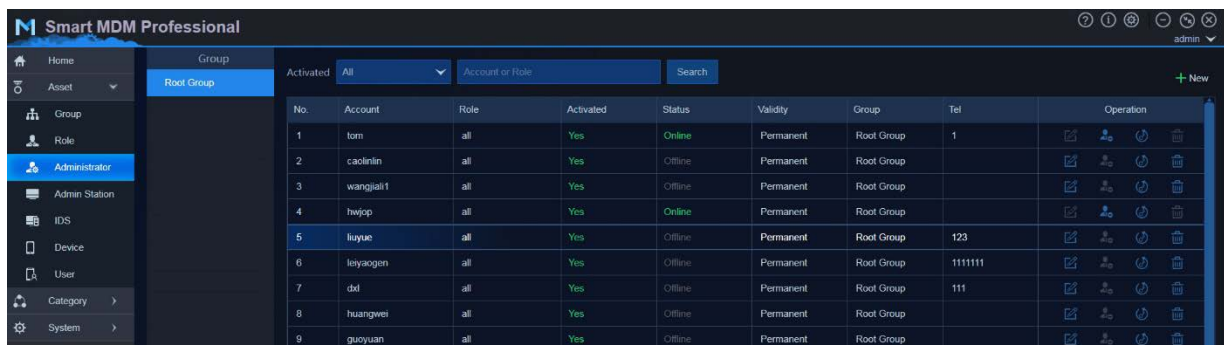
If you want to...	Then...
Search for a role	In the search box, enter the role name, and then click Search .
View role details	In the Operation column, click  following a role. You can view the common administrators with this role.
Edit the role information	- In the Operation column, click  following a role. - In the Edit dialog box, edit related parameters. - Click OK.
Delete a role	In the Operation column, click  following a role.

3.1.3 Administrator Management

The Administrator Management feature allows you to manage the common administrators who are in charge of BWCs.

Creating an Administrator

- In the left navigation pane, go to **Asset > Administrator**.



- In the upper-right corner of the right pane, click **New**.
The **New** dialog box appears.

The 'New' dialog box is used to create a new administrator. It contains the following fields:

- Account:** Text input field with a character count of 0/15 and an asterisk indicating it is required.
- Tel:** Text input field with a character count of 0/15.
- Group:** Dropdown menu with an asterisk indicating it is required.
- Role:** Dropdown menu with an asterisk indicating it is required.
- Permission:** A list of checkboxes for selecting permissions: Asset, Multi-mode, DMR, TETRA, BWC, System Plugin, and Broadband Radio.
- Validity:** Dropdown menu currently set to 'Permanent' with an asterisk indicating it is required.

Buttons for 'OK' and 'Cancel' are located at the bottom right of the dialog.

3. Specify related parameters, and then click **OK**.

Related Operation

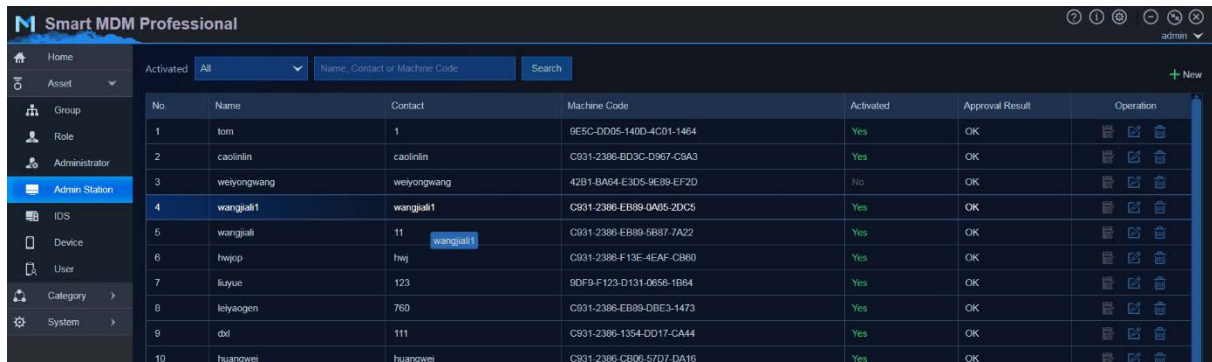
If you want to...	Then...
Search for an administrator	In the search area, select the status or enter an account or a role, and then click Search .
Edit the administrator information	- In the Operation column, click  following an administrator. - In the Edit box, edit the related parameters. - Click OK.
Force an administrator to go offline	In the Operation column, click  following an administrator. The administrator will be offline and cannot log in again in 10 minutes.
Reset the password of an administrator	In the Operation column, click  following an administrator. The password is reset to "111111".
Delete an administrator	In the Operation column, click  following an administrator.

3.1.4 Administration Station Management

The Administration Station Management feature allows you to add a PC as an administrator station on which the common administrator can log in to the Smart MDM Professional client.

Creating an Administrator Station

1. In the left navigation pane, go to **Asset > Admin Station**.



- In the upper-right corner of the right pane, click **New**.

The **New** dialog box appears.

- Enter the name, contact, and machine code of the PC where the Smart MDM Professional client is installed, and then click **OK**.



Note

Before the first login, the common administrator can submit a registration request for the administrator station. The administration station can be established only after the super administrator approves the request.

Related Operation

If you want to...	Then...
Search for an administration station	In the search area, select the status or enter a name, contact, or machine code, and then click Search .
Edit the information of an administration station	- In the Operation column, click  following an administrator station. - In the Edit box, edit the related parameters.

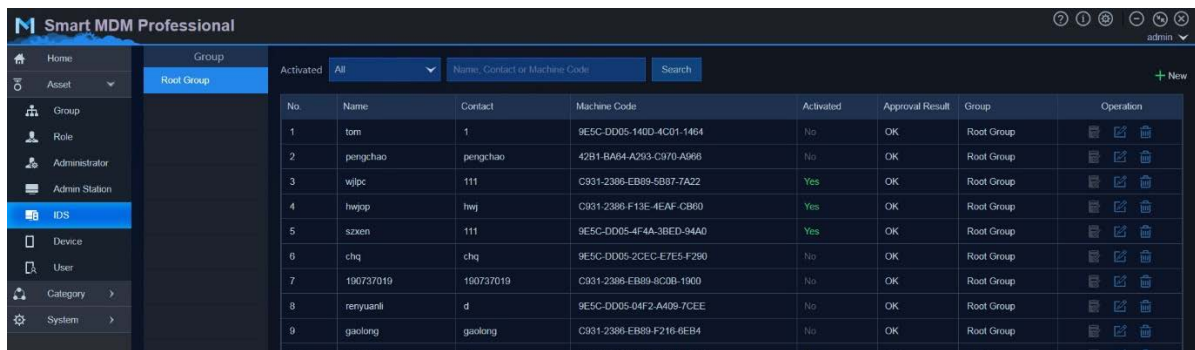
If you want to...	Then...
	3. Click OK .
Approve an administration station request	In the Operation column, click  following an administration station.
Delete an administration station	In the Operation column, click  following an administration station.

3.1.5 Workstation Management

The Workstation Management feature allows you can add a PC as a workstation on which the common administrator can log in to the IDS.

Creating a Workstation

1. In the left navigation pane, go to **Asset > IDS**.



2. In the upper-right corner of the right pane, click **New**.

The **New** dialog box appears.

New

Name

0 / 15 *

Contact

0 / 15 *

Machine Code

0 / 50 *

OK

Cancel

3. Enter the name, contact, and machine code of the PC where the IDS is installed, and then click **OK**.

Note

The common administrator can submit a registration request for the workstation before logging to the IDS for the first time. The workstation station can be established only after the super administrator approves the request.

Related Operation

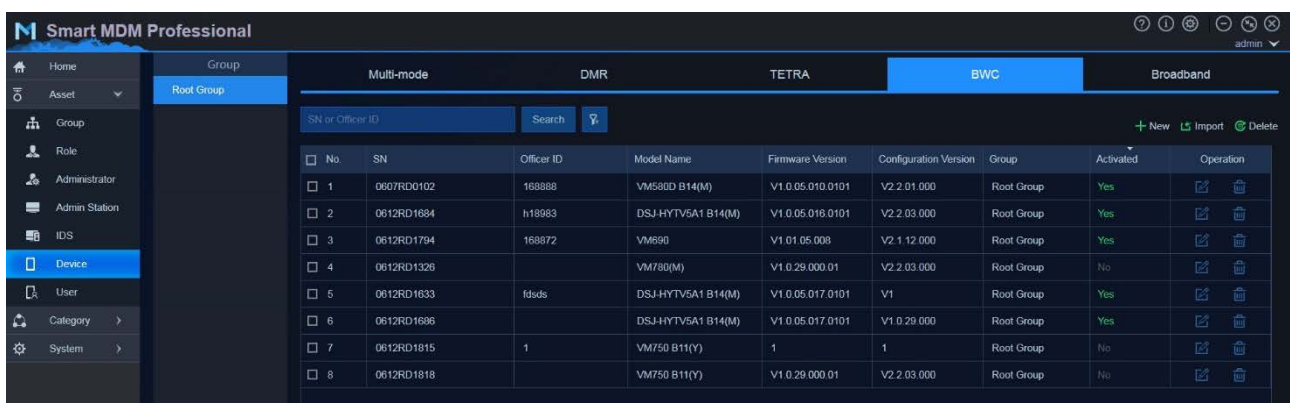
If you want to...	Then...
Search for a workstation	In the search area, select the status or type a name, contact, or machine code, and then click Search .
Edit the workstation information	- In the Operation column, click  following a workstation. - In the Edit box, edit the related parameters. - Click OK.
Approve a workstation request	In the Operation column, click  following a workstation.
Delete a workstation	In the Operation column, click  following a workstation.

3.1.6 Device Management

The Device Information Management feature allows you to manage BWCs.

Importing a Device

- In the left navigation pane, go to **Asset > Device**, and then click **BWC**.



- In the upper-right corner of the right pane, click **New**.

The **New** dialog box appears.

- Specify related parameters, and then click **OK**.

Note

To import BWCs in batches, you can click **Import**, and then select the document package (.dev or .zip) from the local folder.

Related Operation

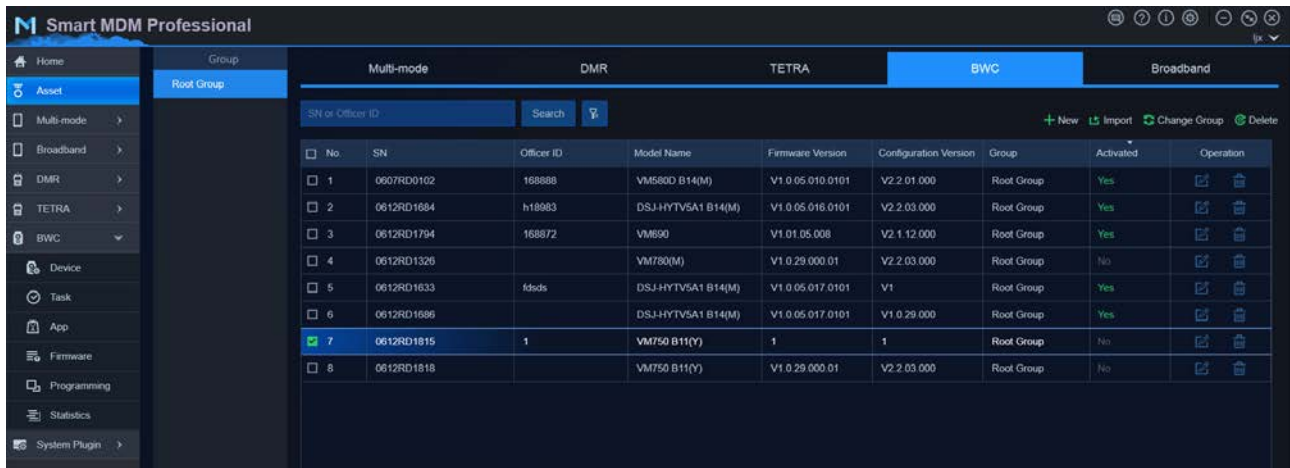
If you want to...	Then ...
Search for a BWC	Do one of the following: - In the search area, enter the serial number or officer ID, and then click Search. - In the search area, click , select the model or activation status or enter keywords, and then click OK.
Change the group to which a BWC belongs	- Select a BWC, and then click Change Group. - Select a group, and then click OK.
Delete a BWC	In the Operation column, click  following a BWC.

3.2 Asset Management as a Common Administrator

As a common administrator, you can manage the BWCs in your group.

- Log in to the Smart MDM Professional client as the common administrator.
- In the left navigation pane, click **Asset**.

3. In the right pane, click **BWC**.



4. Click **New**, **Import**, **Change Group**, or **Delete** to manage the BWCs information.

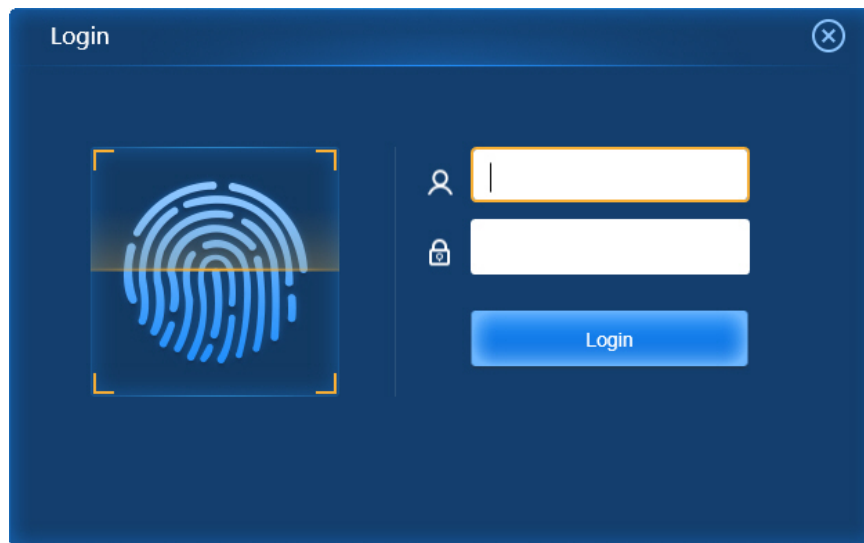
For details, see [3.1.6 Device Management](#).

4. BWC Connection

To connect the BWC to the Smart MDM Professional through the wired mode, you have to first connect the BWC to the IDS.

1. (Optional) Connect the IDS to the Smart MDM Professional server.
 - a. Start the IDS.
 - b. In the upper-right corner, click .

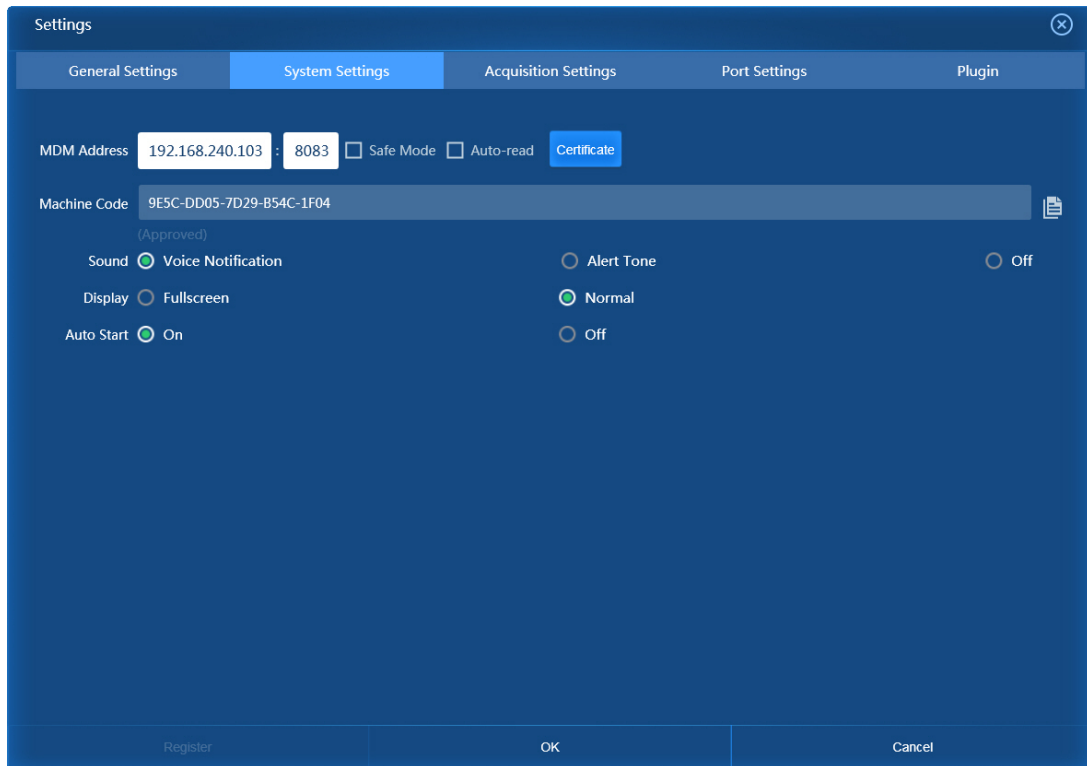
The login dialog appears.



- c. Enter the user name and password of the administrator, and then click **Login**.

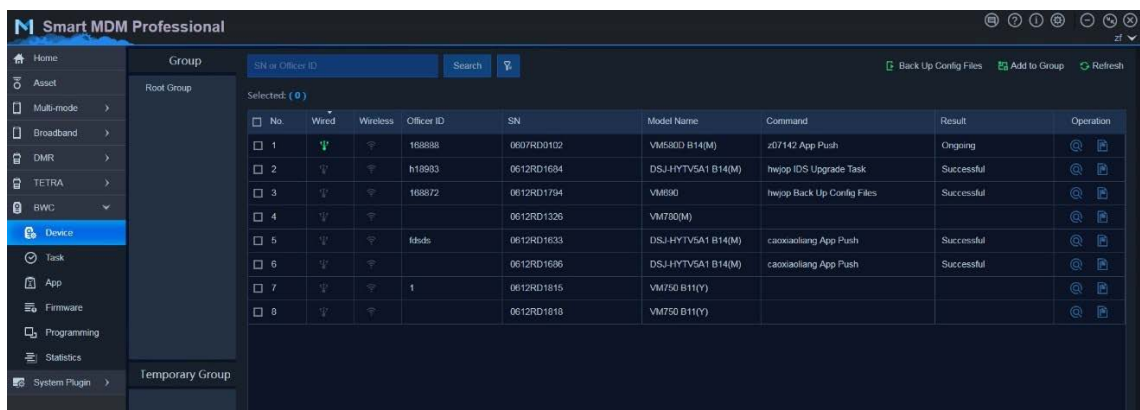
The default user name and password of the super administrator are "admin" and "99999999" respectively.

- d. In the upper right corner of the main interface, click , and then click .
 - e. Click **System Settings**.
 - f. Enter the IP address and port number of the Smart MDM server, select **Auto-read**, and then click **OK**.



2. Connect the BWC to the IDS with the USB cable.
3. Register the workstation.
 - a. In the lower-left corner of the **System Settings** interface, click **Register**.
 - b. Enter the name and contact of the workstation, and then click **OK**.
 - c. Log in to the Smart MDM Professional client as the super administrator, and then approve the workstation request.
4. Log in to the Smart MDM Professional client as the common administrator.
5. In the left navigation pane, go to **BWC > Device**.

If the  icon appears, the BWC is connected to the Smart MDM Professional.



5. BWC Management

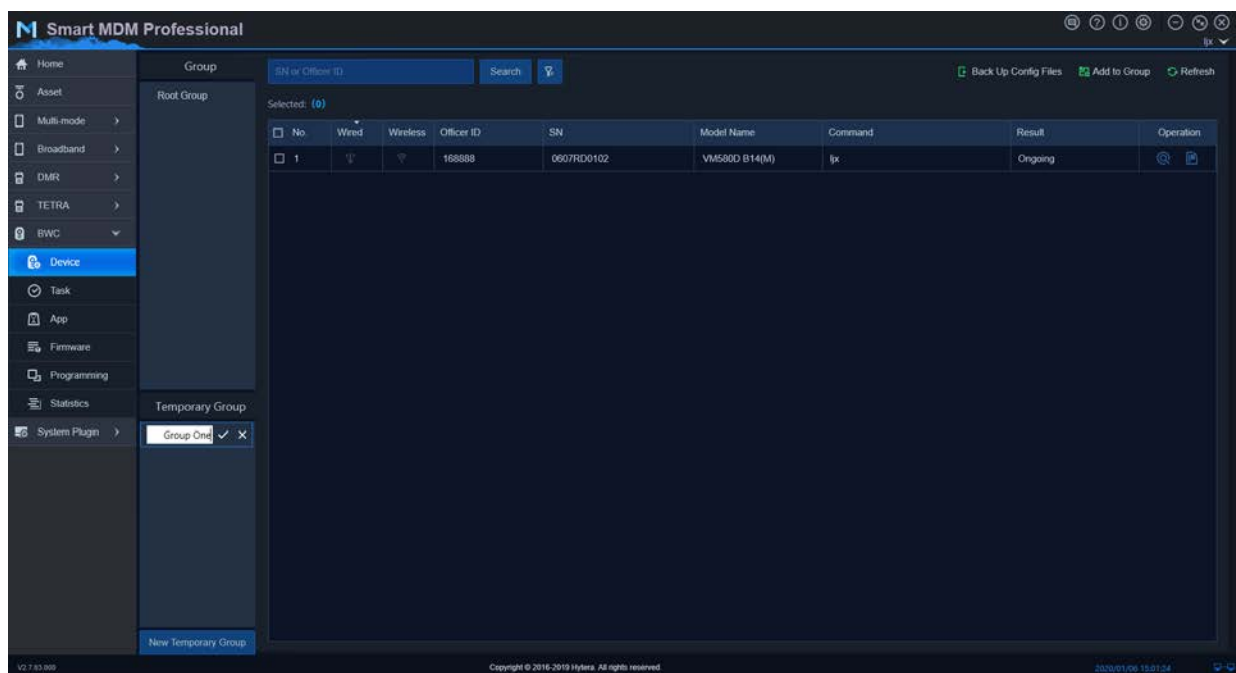
The BWC Management feature allows you to manage BWCs in your group.

To access the BWC Management interface, log in to the Smart MDM Professional client as the common administrator, and then go to **BWC > Device**.

5.1 Creating a Temporary Group

You can manage the BWCs through temporary groups.

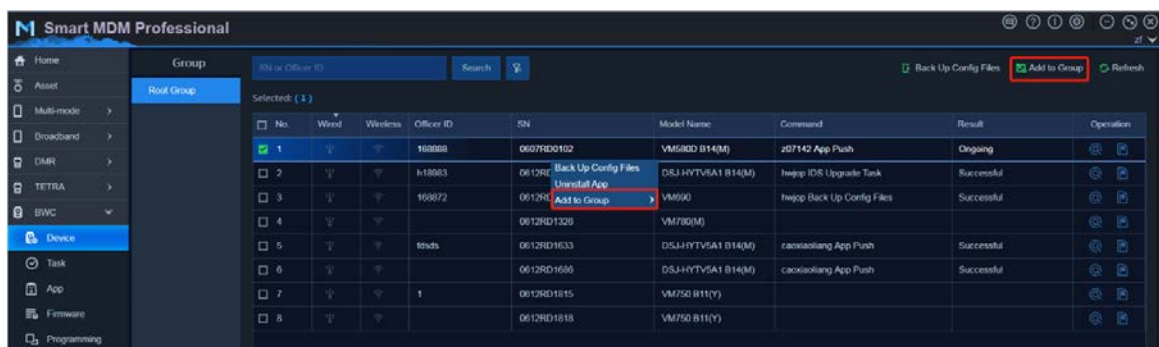
To create a temporary group, in the **Temporary Group** pane, enter the group name, and then click .



5.2 Adding a BWC to a Temporary Group

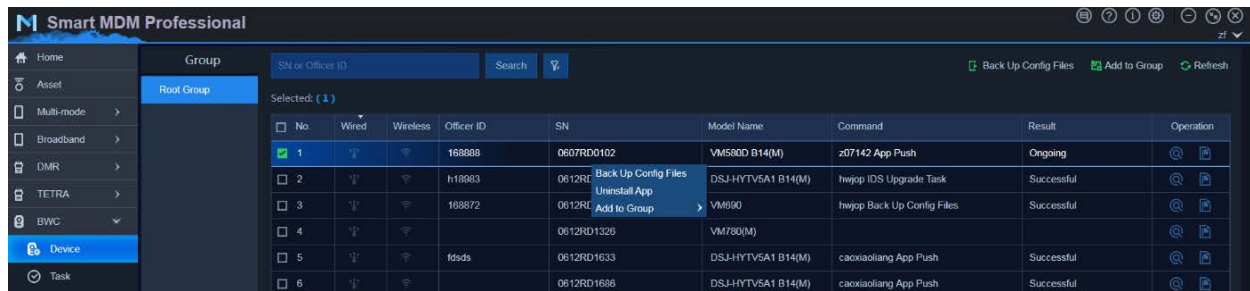
Add a BWC to a temporary group through either of the following methods:

- Select a BWC, click **Add to Group** in the upper-right corner, and then select the group.
- Right-click a BWC, select **Add to Group**, and then select the group.



5.3 Sending a Command to a BWC

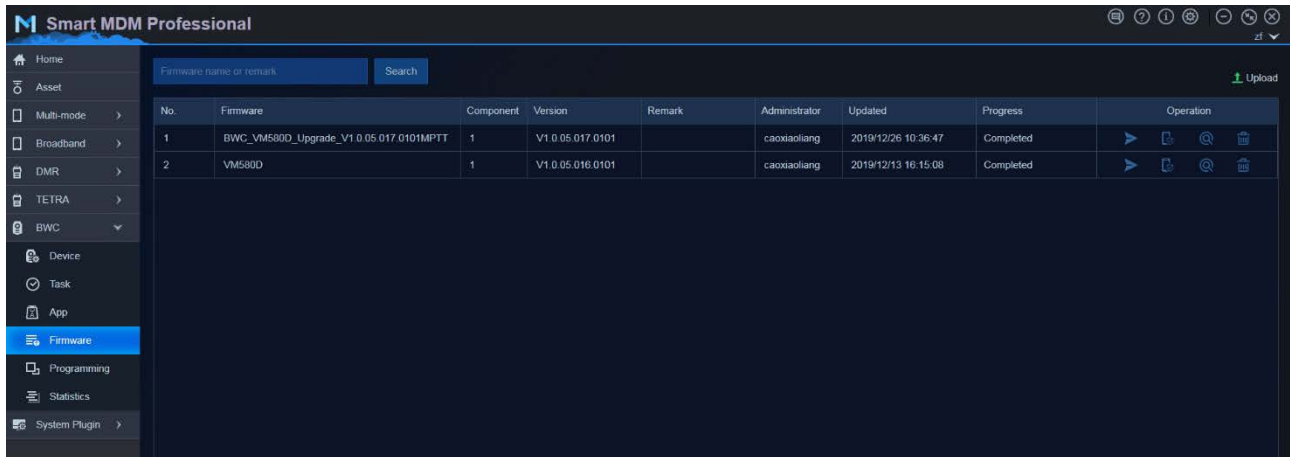
In the right pane, right-click a BWC, and then select a command to send.



6. Firmware Management

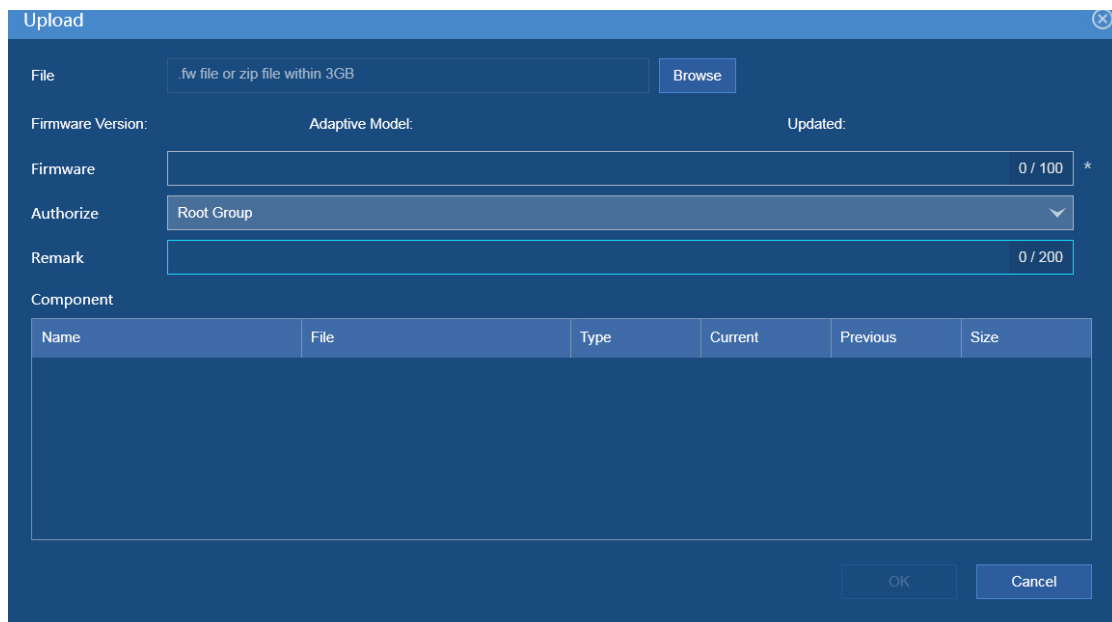
The Firmware Management feature allows you to upgrade the firmware of BWCs.

To access the Firmware Management interface, log in to the Smart MDM Professional client as the common administrator, and then go to **BWC > Firmware**.



6.1 Uploading the Firmware

1. In the upper-right corner of the right pane, click **Upload**.



2. Click **Browse**, and then import the firmware package (.fw or .zip).
3. Specify related parameters, and then click **OK**.

6.2 Pushing the Firmware

1. In the **Operation** column, click  following the firmware to push.
2. In the **Task Wizard** dialog box, select the communication mode and IDS, and then click **Next**.

3. Select the target BWC, and then click **Next**.

☐ No.	Wired	Wireless	SN	Officer ID
☐ 1	📶	📶	0607RD0102	168888
☐ 2	📶	📶	0612RD1684	h18983
☐ 3	📶	📶	0612RD1633	fdsds
☐ 4	📶	📶	0612RD1686	

4. Set the task name, validity period, and description, and then click **Next**.

Task Name: Firmware Upgrade20200103163938 30 / 50 *

Validity: 2020-01-03 16:39:38 -- 2020-01-10 16:39:38 *

☐ Auto-execute upon receiving

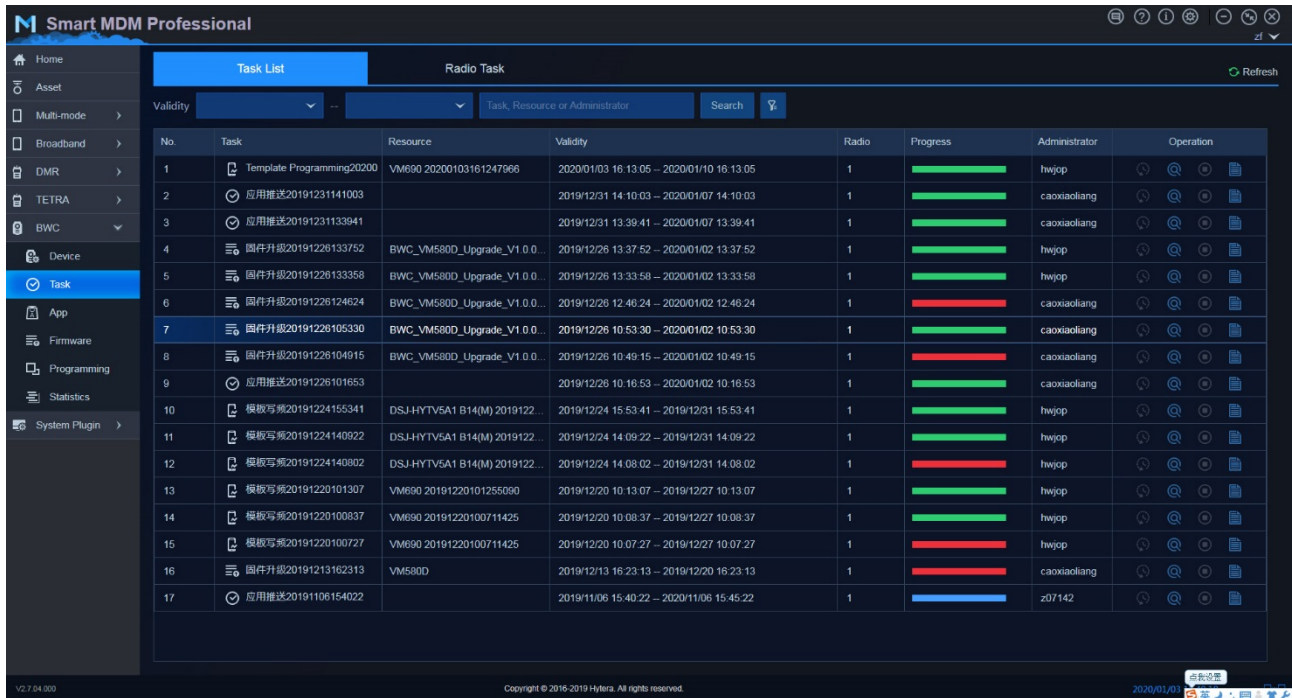
Description: 0 / 200

5. Confirm the task information, and then **OK**.

7. Task Management

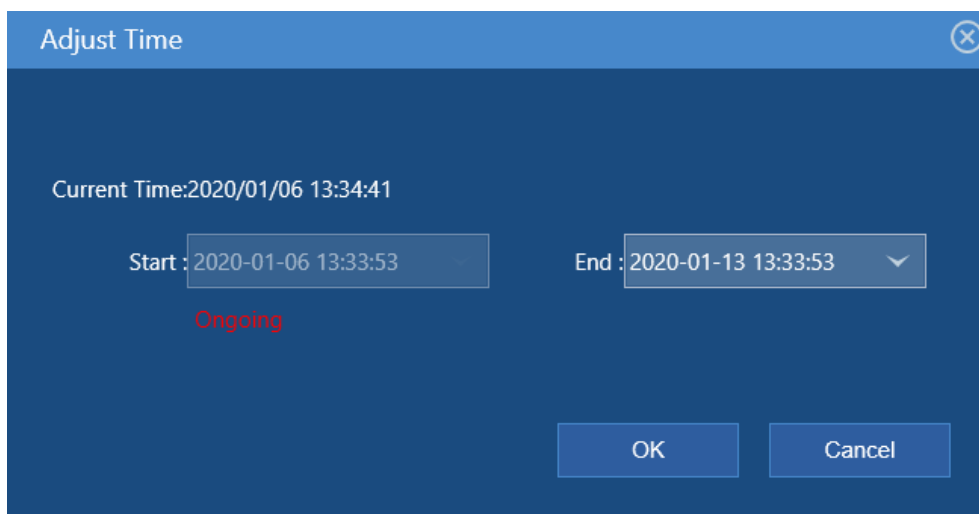
The Task Management feature allows you to manage the firmware tasks.

To access the Task Management interface, log in to the Smart MDM Professional client as the common administrator, and then go to **BWC > Task**.



7.1 Adjusting the Task Time

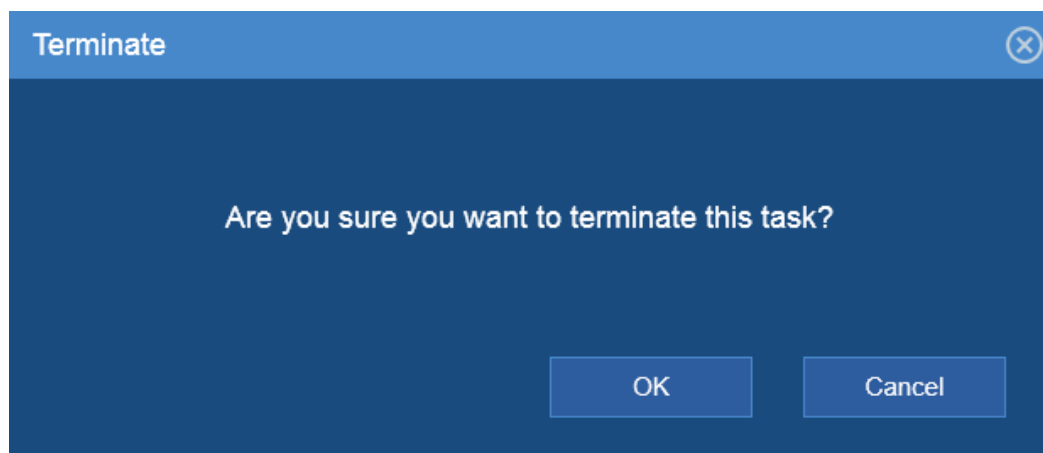
1. In the Operation column, click  following a task.
2. In the pop-up **Adjust Time** dialog box, set the start and end time of the task, and then click **OK**.



7.2 Terminating a Task

1. In the Operation column, click  following a task.

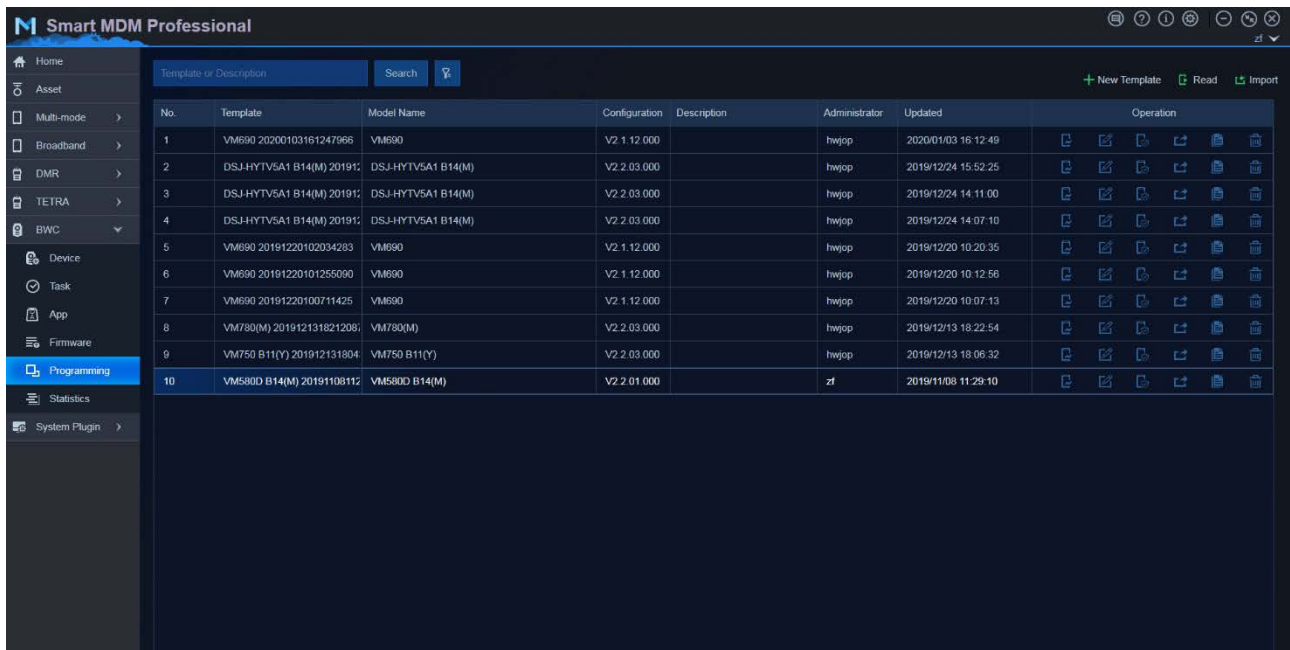
2. In the pop-up **Terminate** dialog box, click **OK**.



8. Programming by Template

The Programming by Template feature allows you to program BWCs by the template.

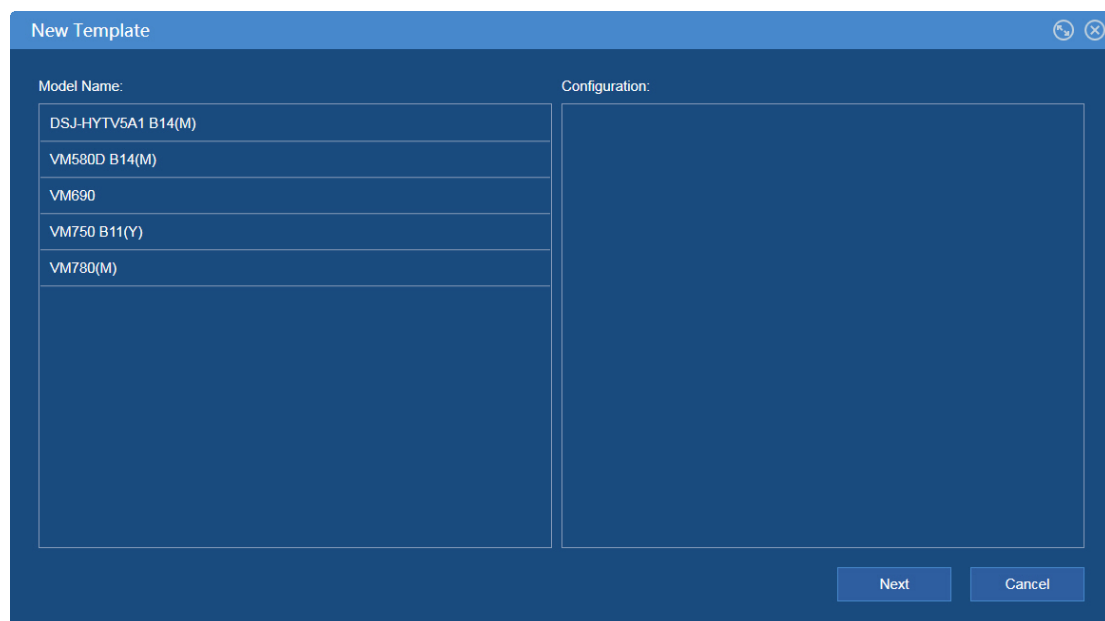
To access the Template Programming interface, log in to the Smart MDM Professional client as the common administrator, and then go to **BWC > Programming**.



8.1 Creating a Template

1. In the upper-right corner of the **Programming** interface, click **New Template**.

The **New Template** dialog box appears.



2. Select the model name and configuration version, and then click **Next**.

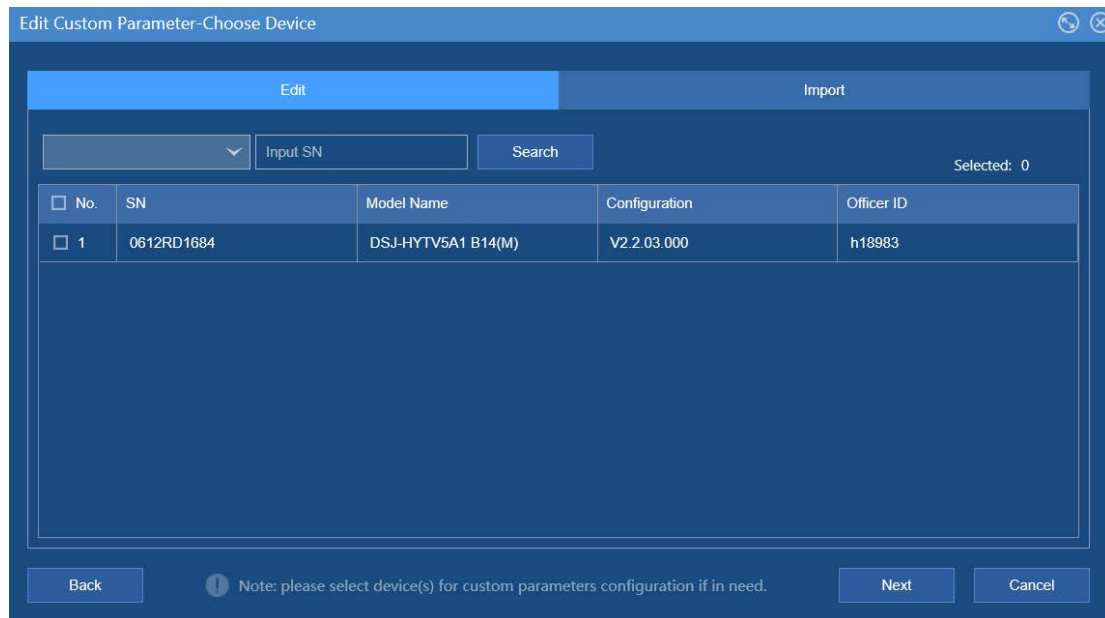
3. Configure public parameters, and then click **Next**.



Note

For details of public parameter configurations, see [10 Public Parameter Configuration](#).

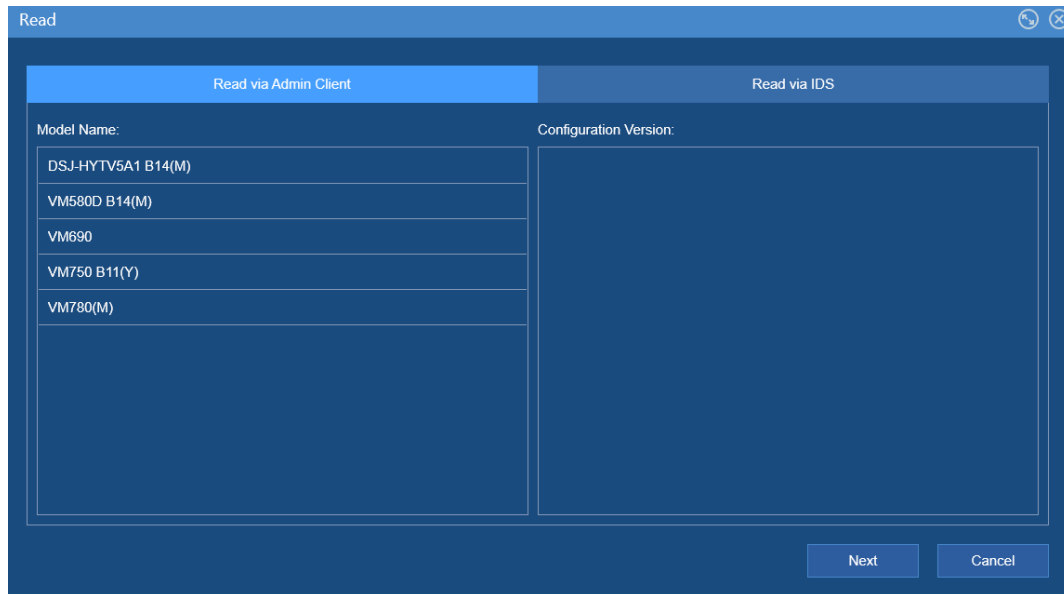
4. If multiple BWCs are programmed simultaneously, configure customized parameters.



- a. Select the configuration mode.
 - Edit parameters: Click **Edit**, select a target BWC, and then click **Next**.
 - Import parameters: Click **Import**, click **Browse** to import the .csv file, select a target BWC, and then click **Next**.
 - b. Click , configure parameters in the pop-up dialog box, and then click **OK**.
5. Click **Next**.
 6. In the **Done** dialog box, enter the template name, and then click **OK**.

8.2 Programming After Reading

1. In the upper-right corner of the **Programming** interface, click **Read**.
2. In the **Read** dialog box appears.



3. Select the reading mode, and then click **Next**.
4. After the reading is complete, configure public parameters, and then click **Next**.

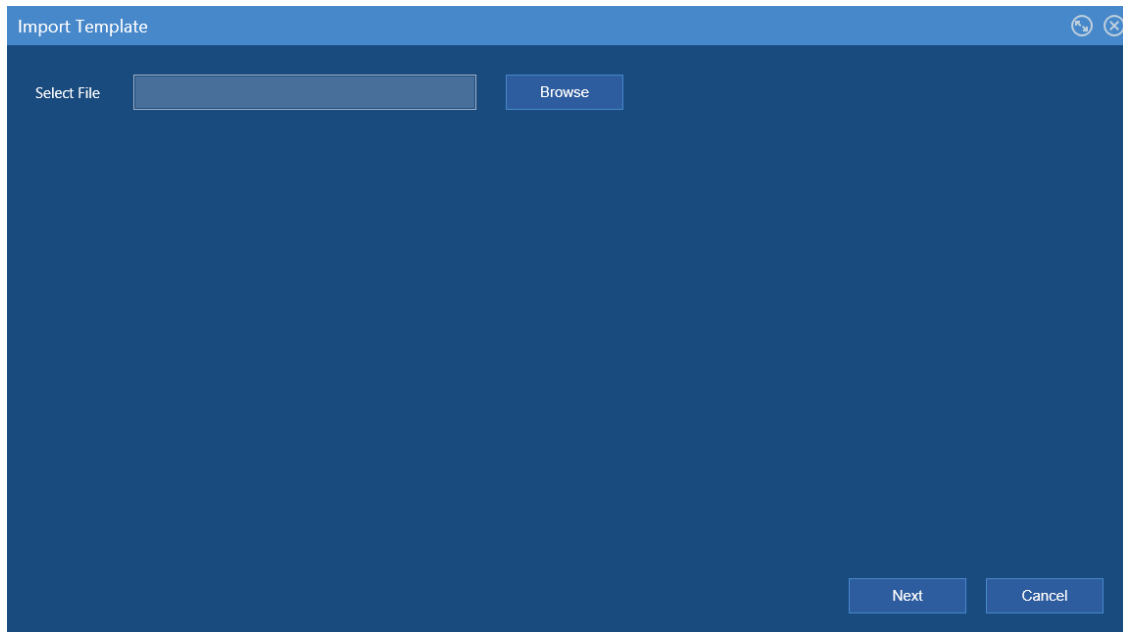
**Note**

For details of public parameter configurations, see [10 Public Parameter Configuration](#).

5. Configure customized parameters, and then click **Next**.
6. In the **Done** dialog box, enter the template name, and then click **OK**.

8.3 Importing a Template

1. In the upper-right corner of the **Programming** interface, click **Import**.
The **Import Template** dialog box appears.



2. Click **Browse** to import the local configuration template, and then click **Next**.
3. Configure public parameters, and then click **Next**.

 Note

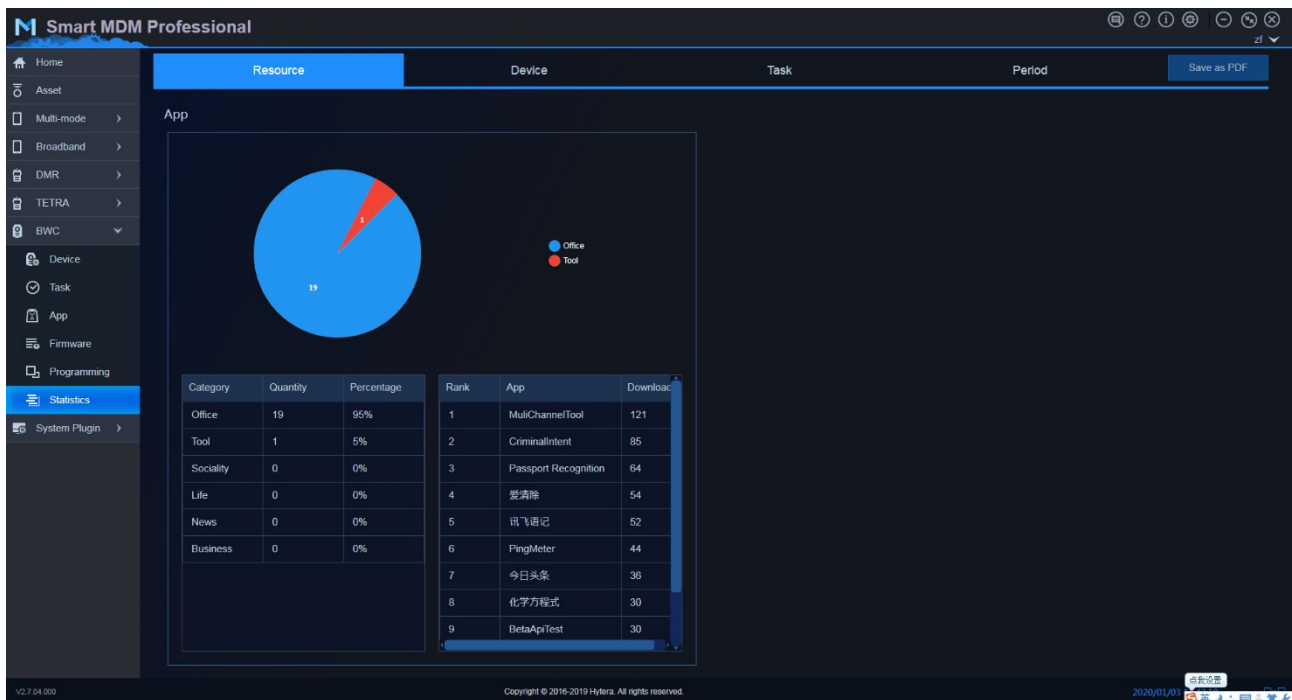
For details of the public parameter configurations, see [10 Public Parameter Configuration](#).

4. Configure customized parameters, and then click **Next**.
5. In the **Done** dialog box, enter the template name, and then click **OK**.

9. Report Management

The Report Management feature allows you to perform statistics on resources, BWCs, tasks, and time periods. The statistical results will be displayed in tables and charts to help you understand the situation of BWC usage and task execution.

To access the Report Management interface, log in to the Smart MDM Professional as a common administrator, and then go to **BWC > Statistics**.



10. Public Parameter Configuration

10.1 Basic Settings

The **Basic Settings** tab allows you to set basic parameters related to the shortcuts, display, and watermark.

The screenshot shows the 'Edit Public Parameter' window with the title bar 'Edit Public Parameter'. Below the title bar, it displays 'Model Name: VM580D B14(M)' and 'Configuration Version: V2.2.01.000'. The main area is divided into a left sidebar and a right content area. The sidebar has a 'Parameter Name' search bar and a list of categories: 'Common', 'Basic Settings' (highlighted), 'User Info', 'Video', 'Photo', 'Security', 'BT', 'WLAN', and 'WLAN Device List'. The right content area is titled 'Common/Basic Settings' and contains several settings: 'Screen Off' set to '20s', 'Language' set to '简体中文', 'Anti Banding' set to '50Hz', 'A Short Press' set to 'Take Photo', 'A Long Press' set to 'Mark', 'B Short Press' set to 'Sound Recording', and 'Company ID' set to 'Flashlight'. At the bottom of the content area, there is a 'Custom Watermark' section with radio buttons for 'On' and 'Off', where 'Off' is selected. At the bottom of the window, there are three buttons: 'Back', 'Next', and 'Cancel'.

10.2 User Information

The **User Info** tab allows you to set the information on the owner of the BWC.

The screenshot shows the 'Edit Public Parameter' window with the title bar 'Edit Public Parameter'. Below the title bar, it displays 'Model Name: VM580D B14(M)' and 'Configuration Version: V2.2.01.000'. The main area is divided into a left sidebar and a right content area. The sidebar has a 'Parameter Name' search bar and a list of categories: 'Common', 'Basic Settings', 'User Info' (highlighted), 'Video', 'Photo', 'Security', 'BT', 'WLAN', and 'WLAN Device List'. The right content area is titled 'Common/User Info' and contains four settings: 'Officer Name' set to 'Chen Sir', 'Officer ID' set to '168888', 'Group Name' set to 'XiaoHai', and 'Group Code' set to '910891089108'. At the bottom of the content area, there is a scrollbar. At the bottom of the window, there are three buttons: 'Back', 'Next', and 'Cancel'.

10.3 Video

The **Video** tab allows you to set the parameters related to video recording.

Parameter Name	Search	Common/Video
▼ Common		
Basic Settings		
User Info		
Video		
Photo		
Security		
BT		
WLAN		
WLAN Device List		

Record Video Resolution720P(30fps)

Pre-record TimeOff

Post-record TimeOff

Video Storage Segment10min

Loop☐ On ☒ Off

PoC Recording☐ On ☒ Off

10.4 Photo

The **Photo** tab allows you to set the resolution for photo taking.

Parameter Name	Search	Common/Photo
▼ Common		
Basic Settings		
User Info		
Video		
Photo		
Security		
BT		
WLAN		
WLAN Device List		

Photo Resolution16 million pixels

10.5 Security

The **Security** tab allows you to set the BWC password, playback password, and server-related information.

Parameter Name	Search	Common/Security
▼ Common		
Basic Settings		
User Info		
Video		
Photo		
Security		
BT		
WLAN		
WLAN Device List		

BWC Password

Replay Password

Server Name

Server Password

Server IP

Server Port

Server Domain

10.6 BT

The BT tab allows you to set the BT name and enable or disable the BT feature.

Parameter Name	Search	Common/BT
▼ Common		
Basic Settings		
User Info		
Video		
Photo		
Security		
BT		
WLAN		
WLAN Device List		

BT ☐ On ☒ Off

Device Name

10.7 WLAN

The **WLAN** tab and **WLAN Device List** tab allow you to enable or disable the WLAN feature, and set the WLAN devices and network password.

Parameter Name

Search

Common/WLAN

▼ Common

Basic Settings

User Info

Video

Photo

Security

BT

WLAN

WLAN Device List

WLAN ☐ On ☒ Off

Wi-Fi AP VM580D

AP Password *****

Parameter Name

Search

Common/WLAN Device List

▼ Common

Basic Settings

User Info

Video

Photo

Security

BT

WLAN

WLAN Device List

Add

Delete

No.	Wi-Fi STA	STA Password
1	WLAN_Device01	****
2	WLAN_Device02	****
3	WLAN_Device03	****
4	WLAN_Device04	****
5	WLAN_Device05	****

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Pages: 1/1 Records: 5

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11. Abbreviations

Abbreviations	Full Name
IDS	Integrated Device Station
MDM	Mobile Device Management
PTT	Push-to-Talk
WLAN	Wireless Local Area Networks



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Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, People's Republic of China

Postcode: 518057

[http:// www.hytera.com](http://www.hytera.com)