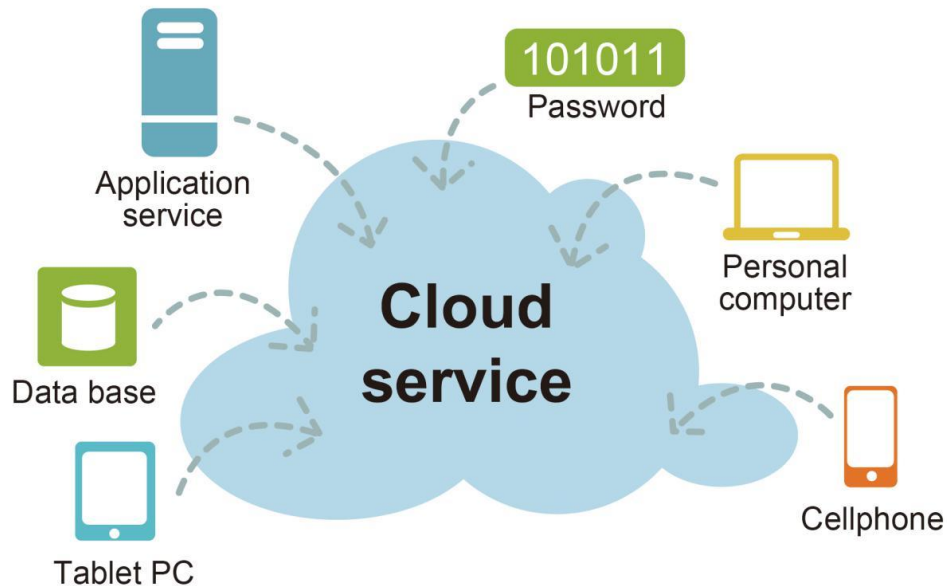


CMS Server Operation Manual



V1.3.31 Release3.6.7.1

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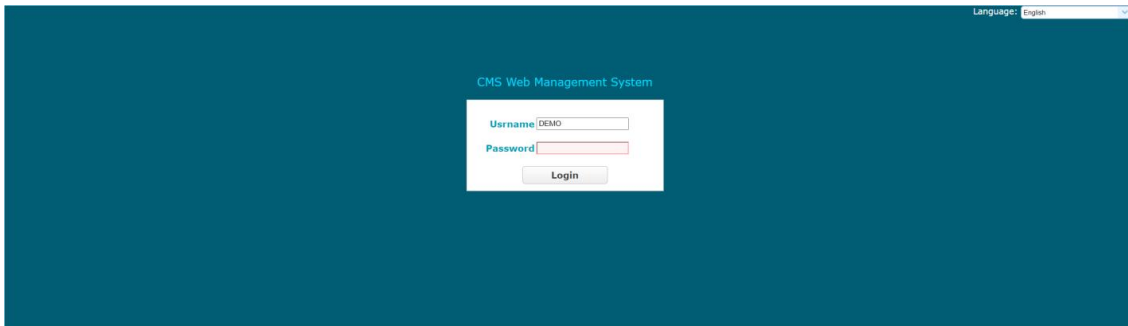
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1. How to Use Public Cloud CMS Server

Our public cloud CMS server url is <http://183.233.190.23:6061/>

you can login this url using your user name and password. Screen shot as follows:



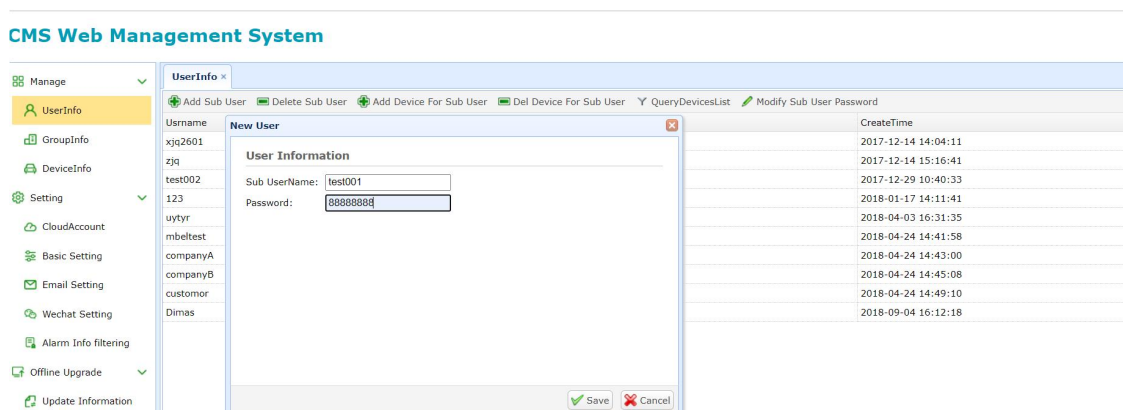
Warm prompt: if your DVR connect our public cloud server, you need to do next simple operation only and you do not need change any information in your DVR.

1.1 Add sub user

If you sell a DVR to your customer, you need add a sub user name for your customer, and allocate the DVR to your customer who had bought to the sub user name.

First:

Click User Info->Add Sub User, input sub user name and password please, screen shot as follows:



Second:

Click Save, the the sub username will appear in the list table:

CMS Web Management System

Username	CreateTime
liugong	2020-04-20 14:19:24
20200512	2020-05-12 16:43:51
WebClient	2020-06-08 10:12:54
xiaoyang	2020-06-10 14:56:02
hsengun	2020-11-30 22:36:09
user	2020-12-09 16:16:25
test001	2021-01-12 18:59:49

1.2 Add device for sub user

If you have bought some devices from our company, you can add Devices for your sub User.

First:

Select the row of sub user, then Click UserInfo->Add Device For Sub User, input Sub UserName and DeviceId. screen shot as follows:

CMS Web Management System

The dialog box 'Allocate Device' is open, showing the 'Add Device For Sub User' form. The 'Sub UserName' field contains 'test001'. Below it is a search input field. The 'DeviceList' section contains the following options:

- Select All
- d88888(3)
- d4(4)
- d5(5)
- d6(6)
- d7(7)
- d8(8)

Second:

Click Add, the DeviceId will be allocated to the user test001.

Warm prompt: the DeviceId is the UUID of your DVR. And you can query it in DVR. Screen shot as follows:

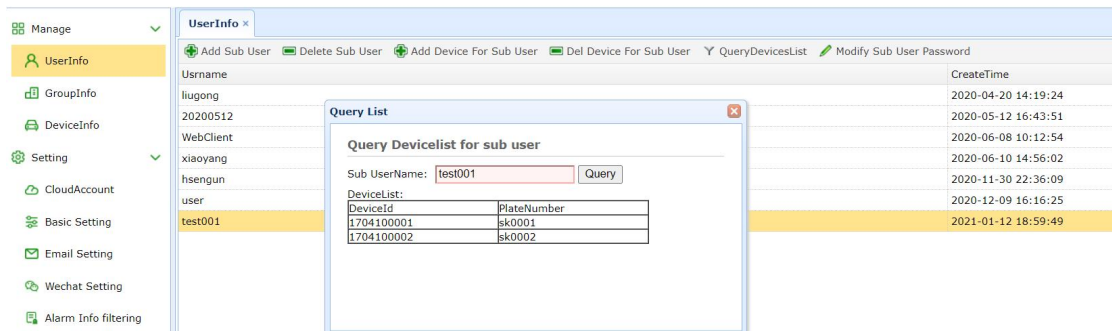


1.3 Query devices list for sub user

You can query devices list for your sub user.

Select the row of sub user, then Click QueryDeviceList, and input sub user name, click query.

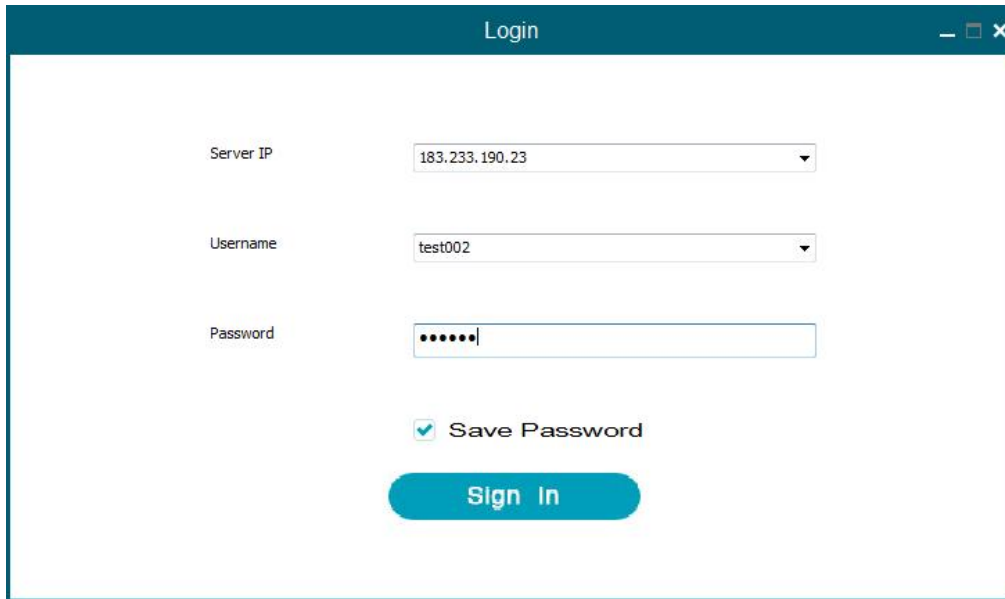
CMS Web Management System



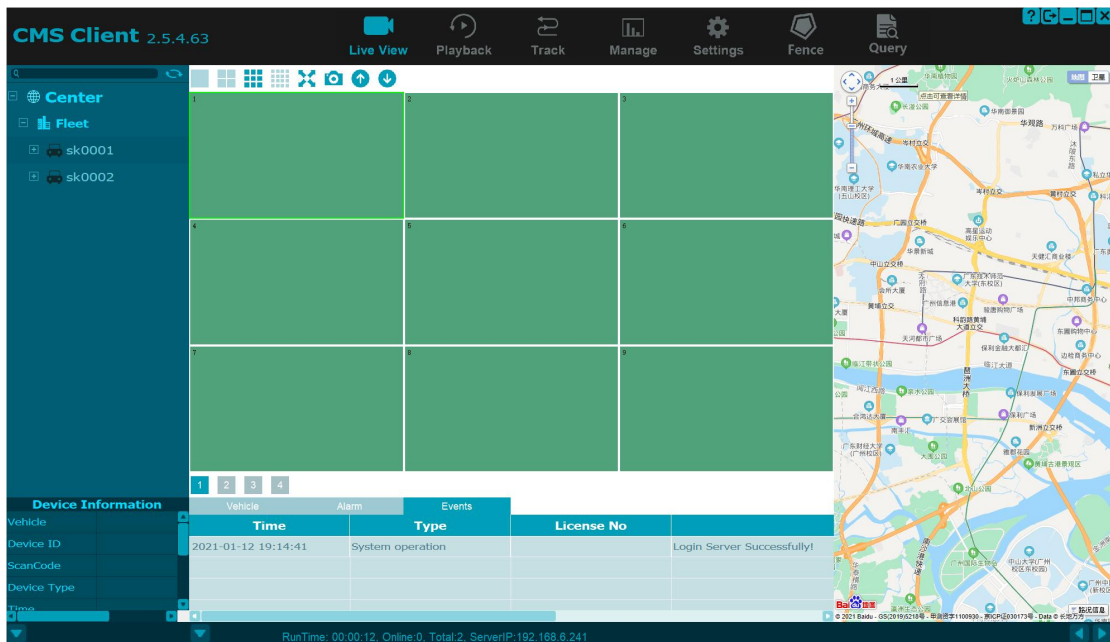
1.4 Sub user login CMS server

If the sub user name was created successfully, the sub user can login our public cloud server. Using CMS client.

Screen shot as follows:



Login GUI



Main GUI

2. How to Install Yourself CMS Server

System requirement:

CPU: Intel i7-3.6GHz or Higher Intel

Operation System: Ubuntu 18.04.5 or Higher(64bit)

Memory Size: 16g or higher

Disk:2T or higher

Warm Prompt:you can buy a virtual machine from AWS, The Current buylink is :

https://aws.amazon.com/marketplace/b/2649367011?ref =hmpg_categories_2649367011

After getting a machine having Ubuntu server, you can login the machine using ssh or telnet remotely.

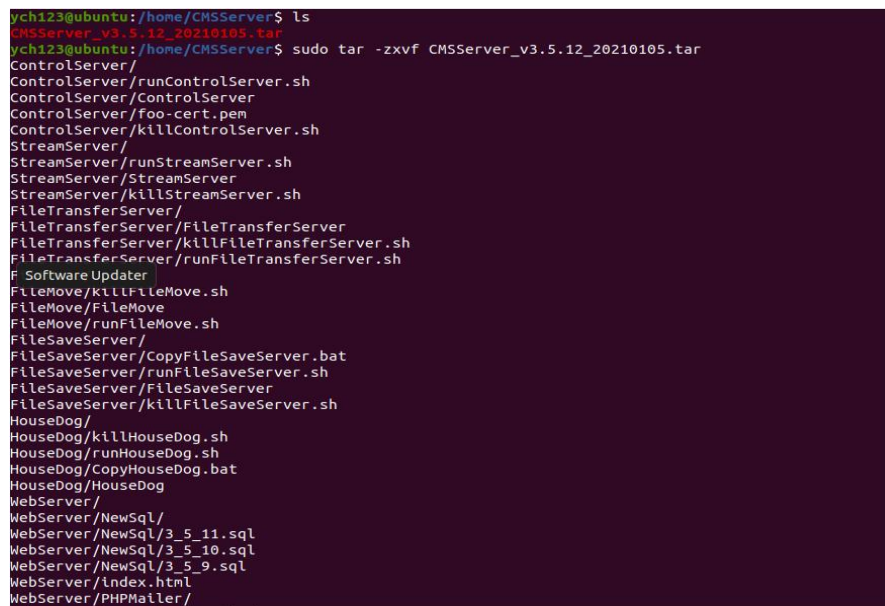
2.1 Download CMS server software

- 1、sudo apt install curl
- 2、sudo mkdir /home/CMSServer/
- 3、cd /home/CMSServer/
- 4、download file:

```
sudo curl http://183.233.190.23:6061/software/424/Server/CMSServer_v3.6.7.1_20231110.tar -o CMSServer_v3.6.7.1_20231110.tar
```

- 5、sudo tar -zxvf CMSServer_v3.6.7.1_20231110.tar

screen shot as follows:



```
ych123@ubuntu: /home/CMSServer$ ls
CMSServer_v3.6.7.1_20231110.tar
ych123@ubuntu: /home/CMSServer$ sudo tar -zxvf CMSServer_v3.6.7.1_20231110.tar
ControlServer/
ControlServer/runControlServer.sh
ControlServer/ControlServer
ControlServer/foo-cert.pem
ControlServer/killControlServer.sh
StreamServer/
StreamServer/runStreamServer.sh
StreamServer/StreamServer
StreamServer/killStreamServer.sh
FileTransferServer/
FileTransferServer/FileTransferServer
FileTransferServer/killFileTransferServer.sh
FileTransferServer/runFileTransferServer.sh
Software Updater
FileMove/killFileMove.sh
FileMove/FileMove
FileMove/runFileMove.sh
FileSaveServer/
FileSaveServer/CopyFileSaveServer.bat
FileSaveServer/runFileSaveServer.sh
FileSaveServer/FileSaveServer
FileSaveServer/killFileSaveServer.sh
HouseDog/
HouseDog/killHouseDog.sh
HouseDog/runHouseDog.sh
HouseDog/CopyHouseDog.bat
HouseDog/HouseDog
WebServer/
WebServer/NewSql/
WebServer/NewSql/3_5_11.sql
WebServer/NewSql/3_5_10.sql
WebServer/NewSql/3_5_9.sql
WebServer/index.html
WebServer/PHPMailer/
```

- 6、sudo chmod -R 777 /home/CMSServer/WebServer/RecordFile/

(if you do not save record in AWS S3,all record will be moved in /home/CMSServer/WebServer/Record/ So please using next cmd to promote the authority of the directory.)

2.2 Install Lamp(mysql, apache2, php)

- 1、cd /home/CMSServer/lamp
- 2、sudo ./Lampinstall.sh

Install mysql-server:

Warm Prompt: please set password for username "root" when it note input password in install ation procedure. the password should be setted "123456_abCD".

2.3 Modify lamp(mysql,apache2,php) configuration file

- 1、cd /home/CMSServer/lamp
- 2、sudo ./ModifylampConfig.sh

this script will fix config file of apache and php.ini automatically,you can check the result using next command

- 1,sudo vi /etc/apache2/ports.conf

screen shot as follows:

```
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf
Listen 6061

<IfModule ssl_module>
    Listen 443
</IfModule>

<IfModule mod_gnutls.c>
    Listen 443
</IfModule>

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

- 2,sudo vi /etc/apache2/apache2.conf

screen shot as follows:

```
ll -h +163
163
164 <Directory /home/CMSServer/WebServer/>
165     Options Indexes FollowSymLinks
166     AllowOverride None
167     Require all granted
168     Allow from all
169 </Directory>
170 AddType application/x-httpd-php .html
171
```

- 3,sudo vi /etc/apache2/sites-available/000-default.conf

screen shot as follows:


```

1 <VirtualHost *:6061>
2 # The ServerName directive sets the request scheme, hostname and port that
3 # the server uses to identify itself. This is used when creating
4 # redirection URLs. In the context of virtual hosts, the ServerName
5 # specifies what hostname must appear in the request's Host: header to
6 # match this virtual host. For the default virtual host (this file) this
7 # value is not decisive as it is used as a last resort host regardless.
8 # However, you must set it for any further virtual host explicitly.
9 #ServerName www.example.com
10
11 #ServerAdmin webmaster@localhost
12 DocumentRoot /home/CMServer/WebServer
13
14 # Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
15 # error, crit, alert, emerg.
16 # It is also possible to configure the loglevel for particular
17 # modules, e.g.
18 #LogLevel info ssl:warn
19
20 ErrorLog ${APACHE_LOG_DIR}/error.log
21 CustomLog ${APACHE_LOG_DIR}/access.log combined
22
23 # For most configuration files from conf-available/, which are
24 # enabled or disabled at a global level, it is possible to
25 # include a line for only one particular virtual host. For example the
26 # following line enables the CGI configuration for this host only
27 # after it has been globally disabled with "a2disconf".
28 #Include conf-available/serve-cgi-bin.conf
29 </VirtualHost>
30
31 # vim: syntax=apache ts=4 sw=4 sts=4 sr noet

```

4,vi /etc/php/*/apache2/php.ini

screen shot as follows:

```

855 ;
856 ; For example, on Windows:
857 ;
858 ; extension=msql.dll
859 ;
860 ; ... or under UNIX:
861 ;
862 ; extension=msql.so
863 extension=php_curl.so
864 extension=php_mysql.so
865 ;
866 ; ... or with a path:
867 ;
868 ; extension=/path/to/extension/msql.so
869 ;
870 ; If you only provide the name of the extension, PHP will look for it in its

```

2.4 Init MySQL db

1. login MySQL

sudo mysql -u root

If there is a password login error, you need to change the password:

```

ych123@ubuntu: /home/CMServer$ sudo mysql -h 127.0.0.1 -u root -p
[sudo] password for ych123:
Enter password:
ERROR 1045 (28000): Access denied for user 'root'@'localhost' (using password: YES)

```

View version number:

```

ych123@ubuntu: /home/CMServer$ mysql -V
mysql Ver 8.0.22-0ubuntu0.20.04.3 for Linux on x86_64 ((Ubuntu))

```

sudo service mysql stop

sudo mysqld_safe --skip-grant-tables&

If error:

sudo mkdir -p /var/run/mysqld

sudo chown mysql:mysql /var/run/mysqld

```
sudo mysqld_safe --skip-grant-tables&
mysql -u root mysql
```

Fix the password(mysql8.0):

```
update user set plugin="mysql_native_password";
mysql>FLUSH PRIVILEGES;
mysql>ALTER USER 'root'@'localhost' IDENTIFIED BY '123456_abCD';
mysql>FLUSH PRIVILEGES;
```

Successful login

screen shot as follows:

```
joke@joke-virtual-machine:~/home/CMSServer$ mysql -h 127.0.0.1 -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12010363
Server version: 5.7.20-0ubuntu0.16.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> █
```

2. init database sk

```
source /home/CMSServer/sk_create.sql
```

screen shot as follows:

```
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use sk;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> source /home/CMSServer/sk_create.sql
Query OK, 12 rows affected (0.01 sec)

Query OK, 1 row affected (0.00 sec)

Database changed
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

2.5 Start software

- 1.cd /home/CMSServer/
- 2.source ./StartCMSServer.sh

```

justin@justin-virtual-machine: /home/CMServer$ ls
CMServer_v3.5_9a_20200916.tar  net_speed.sh  StopCMServer.sh
justin@justin-virtual-machine: /home/CMServer$ sudo sh StartCMServer.sh
justin@justin-virtual-machine: /home/CMServer$ m_iControlPort:9090,m_strNetworkCard:etho,m_iAllowFixData
:1,m_iTcpStreamInPort:9091,m_iTcpStreamOutPort:9091, m_iSelfHttpPort:6060, m_iWebServerPort:6061,m
_iFileTransferPort:9092,m_iFileSavePort:9093,m_strSaveFileBaseDir:/home/CMServer/FileSaveDir/, m_strSav
eAlarmInfoDir:/home/CMServer/FileSaveDir//AlarmInfo/,m_strSaveErrorInfoDir:/home/CMServer/FileSaveDir/
/ErrorInfo/,m_strSaveStateInfoDir:/home/CMServer/FileSaveDir//StateInfo/,m_iSelfHttpPort[6062],m_iTimeZ
one[0],m_iAllowSecondSubUser[1],m_strCommonExternalUrl:[]
ReInit:/home/CMServer/ControlServer//ControlServer.log
ReInit:/home/CMServer/StreamServer//StreamServer.log
ReInit:/home/CMServer/FileTransferServer//FileTransferServer.log
m_strSaveFileDir:/home/CMServer/FileSaveDir/RecordFile/,m_strSaveFileBaseDir:/home/CMServer/FileSaveDi
r/,m_iFileSavePort:9093,m_strNetworkCard:m_iRecordSaveFlag:0
2020-12-10 17:05:28: mkdir[/home/CMServer/] fail,error reason:File exists[WARN]main.cpp:35
2020-12-10 17:05:28: mkdir[/home/CMServer/FileSaveDir/] fail,error reason:File exists[WARN]main.cpp:40
2020-12-10 17:05:28: mkdir[/home/CMServer/FileSaveDir/RecordFile] fail,error reason:File exists[WARN]ma
in.cpp:55
ReInit:/home/CMServer/FileSaveServer//FileSaveServer.log
FileMoveConfig_srcdir[/home/CMServer/FileSaveDir/],dstdir[/home/CMServer/WebServer/RecordFile],SaveTyp
e[0],AwsHost[],AwsBaseBucket[],AwsAccessKey[],AwsSecretKey[],RecordFileThreadNumber[10]
ReInit:/home/CMServer/FileMove//FileMove.log
FileMoveConfig_ProgramList[ControlServer-StreamServer-FileTransferServer-FileSaveServer-FileMove],BasicP
rogramDir[/home/CMServer/]
ReInit:/home/CMServer/HouseDog/HouseDog.log

```

3.top

PID	USER	PR	NI	VRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
34807	root	20	0	1345308	8800	6248	S	2.0	0.2	3:13.31	ControlServer
34816	root	20	0	1282796	6220	5232	S	2.0	0.2	2:54.98	FileSaveServer
1698	ych123	20	0	4063004	265456	94400	S	1.7	6.6	1:32.37	gnome-shell
34810	root	20	0	1306652	5868	5144	S	1.7	0.1	3:06.58	StreamServer
34813	root	20	0	1307048	6108	5400	S	1.7	0.2	3:05.26	FileTransferSer
34819	root	20	0	907916	5488	4568	S	1.3	0.1	2:06.90	FileMove
1567	ych123	20	0	314380	90036	58620	S	1.0	2.2	0:35.60	Xorg

Attention 1:

Defaultly, record files that dvr have uploaded will be saved in /home/CMServer/FileSaveDir/, then our program FileMove will move the record files into /home/CMServer/WebServer/RecordFile/ After moved successfully, you can use CMS client query and download it. For example:

Plate No	Begin	End TI	Status	Percent	Downl	File Siz	File Type	File No	File Po
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		5	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		8	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		11	motion	2018051...	Media Se...
Test002	2018-05-...	2018-05-...	Not Dow...	0%		10	motion	2018051...	Media Se...

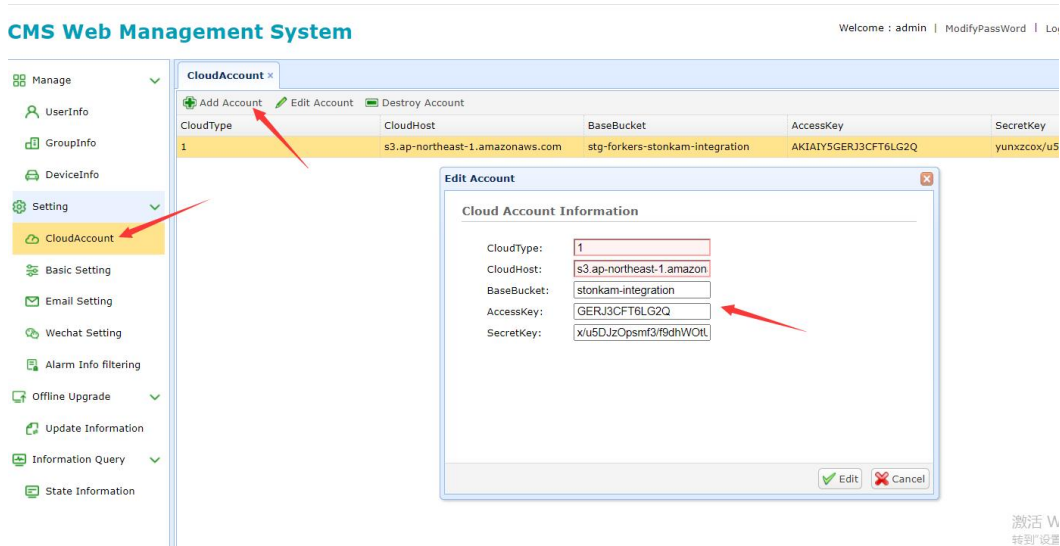
Attention 2:

If you want to move the files (/home/CMServer/FileSaveDir/) into AWS S3, you must set the information of AWS S3, and change the UploadCloudType into AWS S3 in web management

First: login your system using account admin. Default password is "88888888".

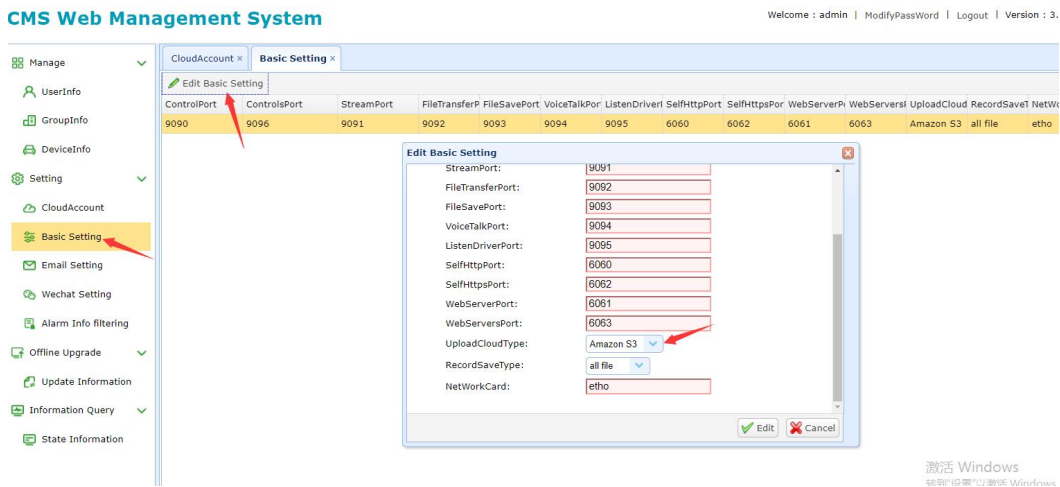
If your address of CMS Server is 183.233.190.23, please input next url in browser <http://183.233.190.23:6061>

Click Setting->Cloud Account->EditAccount (Add Account) and input new information.



Second: please fix the storage mode of the server.

Click Setting->BasicSetting, change the UploadCloudType into Amazon S3, then click Edit and click the button of reset CMSServer.



2.6 Port map

If you want MDVR connect CMS Server using 3G/4G. you must make port map in your route. 6060, 6061, 6062, 6063, 9090, 9091, 9092, 9093, 9094, 9095, 9096, 9097, 9098, 9099, 8082, 8083 should be routed to your pc hardware installing Ubuntu os.

2.7 How to auto run when machine reboot

一: Please create one script /etc/rc.local
touch /etc/rc.local

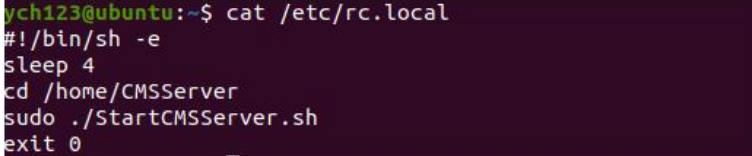
二: set authority of script

```
chmod -R 777 /etc/rc.local
```

三: add command in script

```
#!/bin/sh -e
sleep 4
cd /home/CMSServer/
sudo ./StartCMSServer.sh
exit 0
```

Screen shot as follows:



```
ych123@ubuntu:~$ cat /etc/rc.local
#!/bin/sh -e
sleep 4
cd /home/CMSServer
sudo ./StartCMSServer.sh
exit 0
```

2.8 How to stop CMS server

```
please cd /home/CMSServer
sudo ./StopCMSServer.sh
```

2.9 How to fix password of MySQL

一, Please fix password of MySQL first:

```
sudo service mysql stop
sudo mysqld_safe --skip-grant-tables&
If error:
sudo mkdir -p /var/run/mysqld
sudo chown mysql:mysql /var/run/mysqld
sudo mysqld_safe --skip-grant-tables&
mysql -u root mysql
```

Fix the password(mysql8.0 or below):

```
update user set plugin="mysql_native_password";
mysql> FLUSH PRIVILEGES;
update user set authentication_string = PASSWORD('123456_abCD') where user='root';
mysql> FLUSH PRIVILEGES;
```

Fix the password(mysql8.0 or above):

```
update user set plugin="mysql_native_password";
mysql>FLUSH PRIVILEGES;
mysql>ALTER USER 'root'@'localhost' IDENTIFIED BY '123456_abCD';
mysql>FLUSH PRIVILEGES;
```


二, If you fix password of MySQL, you need to fix password and username of programs.

① Please
cd /home/CMSServer/ControlServer
Vi ControlConfig.ini

Fix keys of DBUser and DBPassword.

```
[ServerSetting]
DBUser=root
DBPassword=123456_abc
DBAddress=127.0.0.1
RecordLogFlag=1
DetailLogFlag=0
LogDir=/home/CMSServer/ControlServer
MaxVerifyThreadNumber=10
MaxReadThreadNumber=10
MaxSendThreadNumber=10
AllowFixData=1
AllowMutiAllocate=0
AllowSecondSubUser=1
FactoryPassword=factory
FactoryAdminPassword=FactoryAdmin
SaveFileBaseDir=/home/CMSServer/FileSaveDir/
SessionIdCheckFlag=0
CommonExternalUrl=
Domain=
TimeZone=0
CustomerErpNo=0
```

- ② please
cd /home/CMSServer/StreamServer,/home/CMSServer/FileTransferServer,/home/CMSServer/
FileSaveServer and do same operations.
- ③ please cd /home/CMSServer/WebServer
vi WebConfig.php
Fix UserName and Password, snap picture is next:



```
<?php
define('DB_ADDRESS','127.0.0.1');
define('DB_USER_NAME','root');
define('DB_PASSWORD','123456_abc');
define('DB_PORT',3306);
?>
```

1. reboot Server
cd /home/CMSServer
First: sudo ./StopCMSServer.sh
Second: sleep several seconds and wait all Apps have been killed then
sudo ./StartCMSServer.sh

3. Add User and Devices Info in Yourself CMS Server

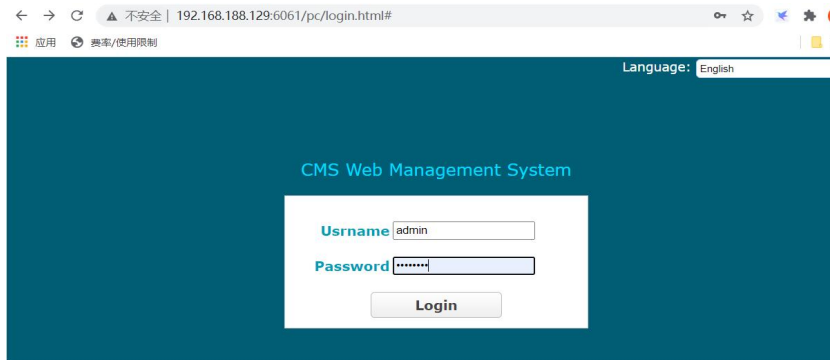
defaultly CMS server have a user “admin”, and its password is “88888888”. And you can add child user for “admin”.

Supposing ip of CMS Server is “192.168.188.129”. and you need login the web management system using web, the url is <http://192.168.188.129:6061/pc/login.html>

3.1 Login server

Open the url <http://183.233.190.23:6061/pc/login.html>
using chrome browser or firefox browser, the user is “admin”, password is “88888888”, screen shot

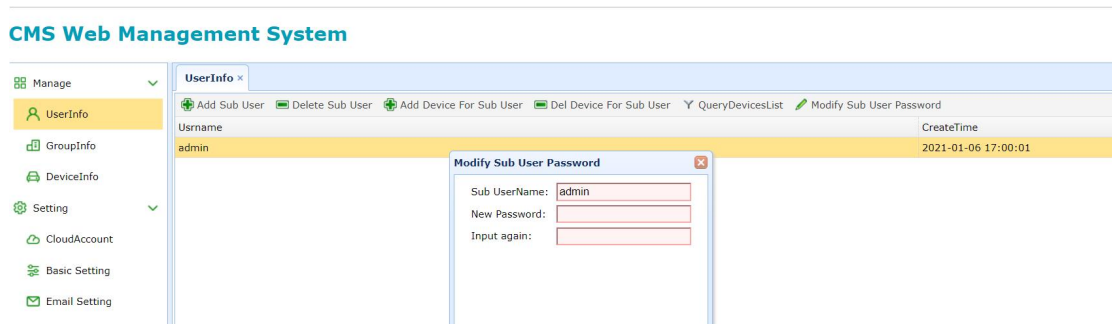
as follow:



3.2 Fix password of user

If you want to fix your password, you can do next.

Click “Modify Sub User Password”, screen shot as follows:



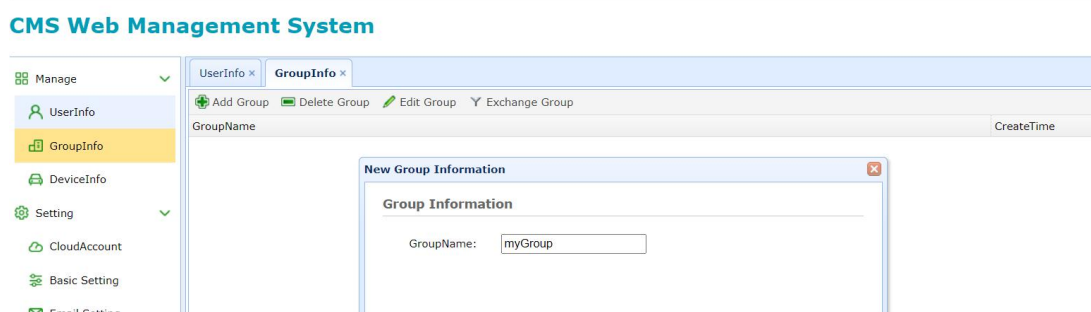
3.3 Group info

3.3.1 Add Group

You must create a group first, because every device belongs to a group.

First:

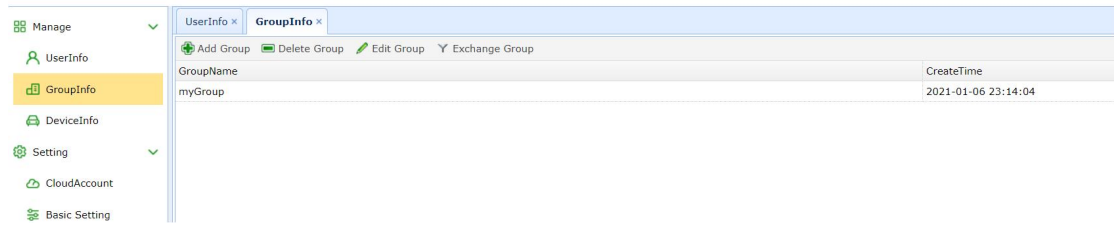
Please click “Group Info->Add Group”, and input a GroupName in the dialog, screen as follow:



Second:

click add, then the GroupName will appear in the list table, screen shot as follow:

CMS Web Management System

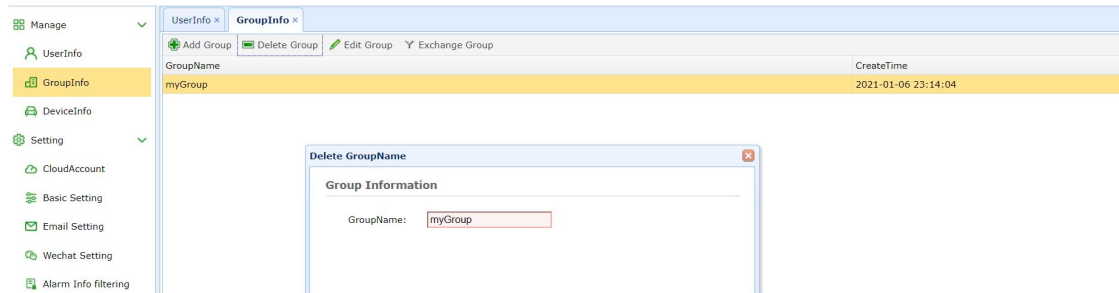


3.3.2 Delete Group

Select the row of group name that you want to delete, then click Delete Group, click Delete.

Screen shot as follows:

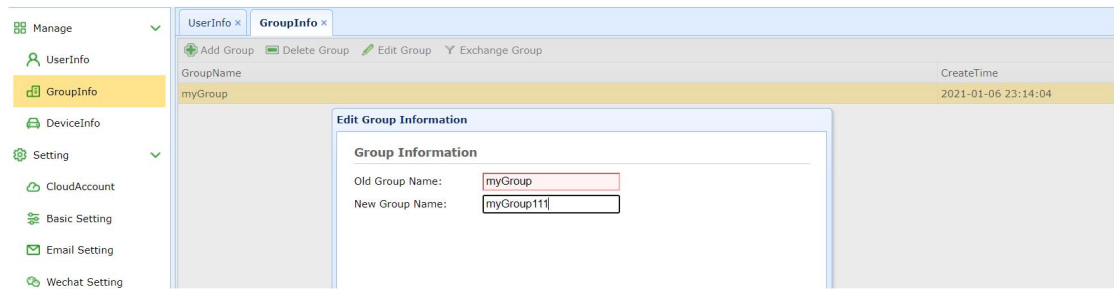
CMS Web Management System



3.3.3 Edit Group

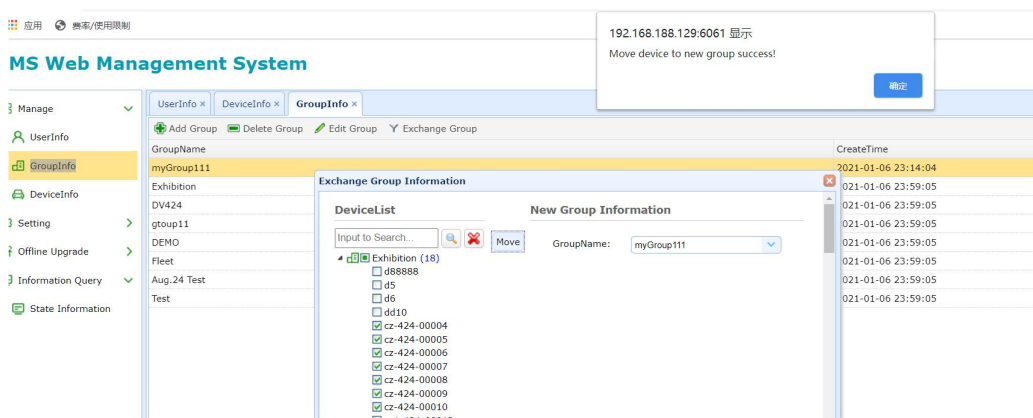
Select the row of group name that you want to fix Group name, then click Edit Group. Screen shot as follows:

CMS Web Management System



3.3.4 Exchange Group

Select the row of group name that you want to Exchange Group, then click Exchange Group. Screen shot as follows:



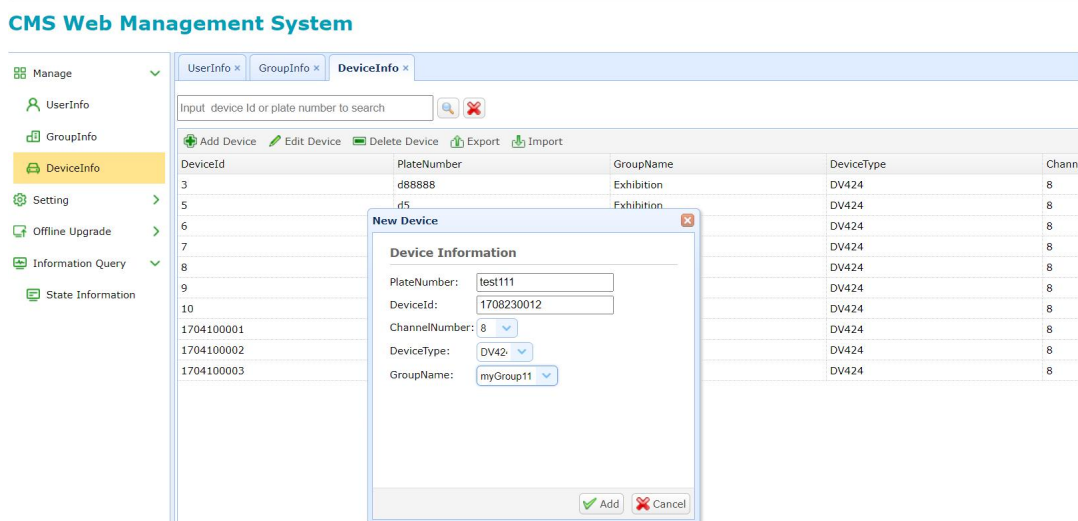
3.4 Device info

3.4.1 Add Device

After creating a group, you can add Device

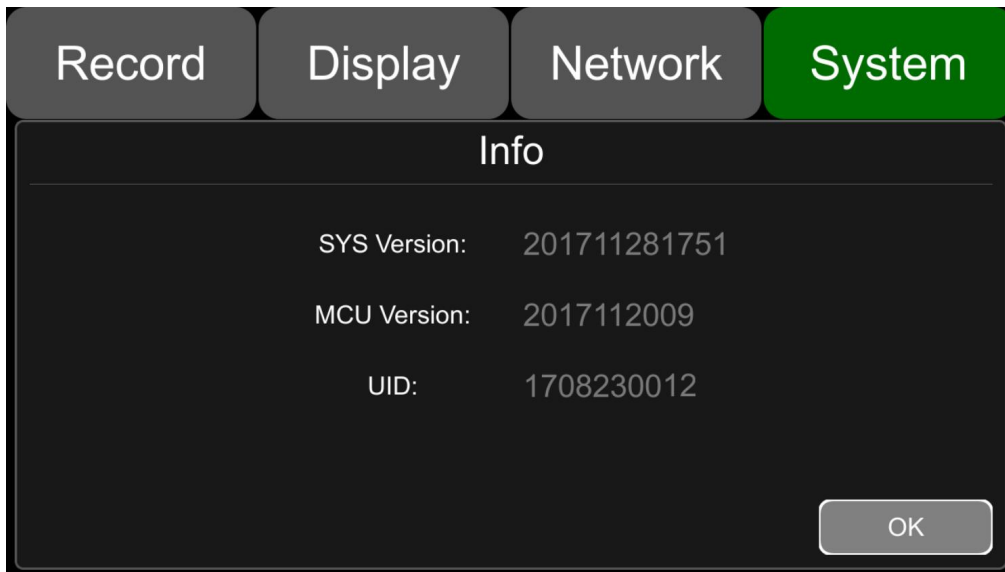
First:

click DeviceInfo->Add Device, then input PlateNumber, DeviceId, ChannelNumber, DeviceType, GroupName and so on, screen shot as follows:



Warm prompt:

- ① the Device Id is the UUID, you can find it in the DVR, please click System->info in DVR, and you can find the UUID, screen shot as follows:



② If the type of DVR is “DV424”, the ChannelNumber should be setted 12, if the type of DVR is “DV425”, the channelnumber should be setted 8.

Second:

Click add, then the device information will appear in the list table, screen shot as follows:

CMS Web Management System Welcome : admin | ModifyPassWord |

Manage | UserInfo | GroupInfo | **DeviceInfo**

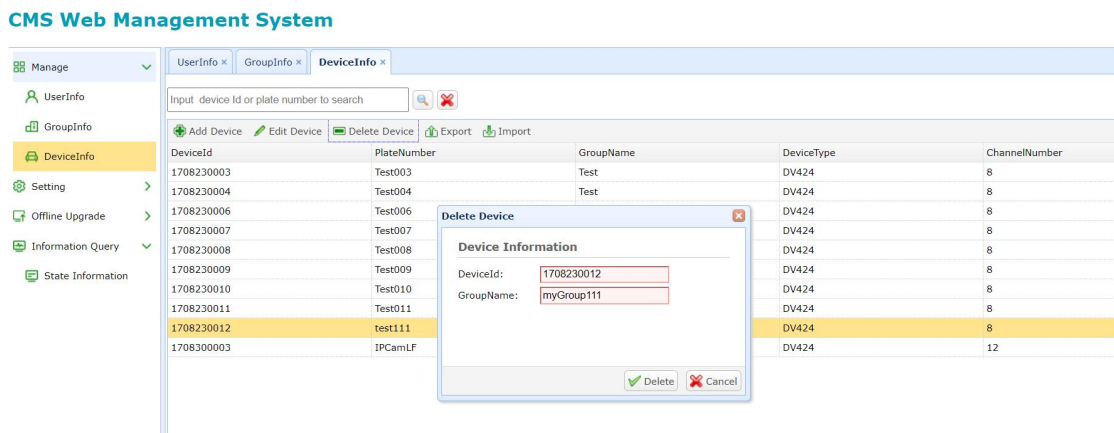
Input: device Id or plate number to search

DeviceId	PlateNumber	GroupName	DeviceType	ChannelNumber	IsOnline	NetType
1708230003	Test003	Test	DV424	8	offline	none
1708230004	Test004	Test	DV424	8	offline	none
1708230006	Test006	Test	DV424	8	offline	none
1708230007	Test007	Test	DV424	8	offline	none
1708230008	Test008	Test	DV424	8	offline	none
1708230009	Test009	Test	DV424	8	offline	none
1708230010	Test010	Test	DV424	8	offline	none
1708230011	Test011	Test	DV424	8	offline	none
1708230012	test111	myGroup111	DV424	8	offline	none
1708300003	IPCamlF	Test	DV424	12	offline	none

3.4.2 Delete Device

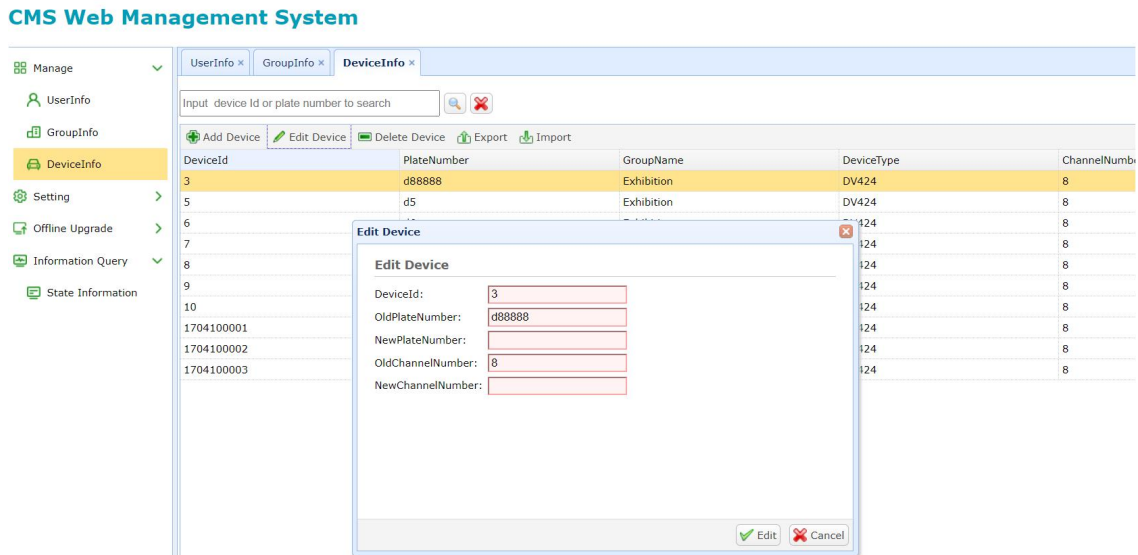
Select the row of device that you want to delete, then click Delete Device, click Delete.

Screen shot as follows:



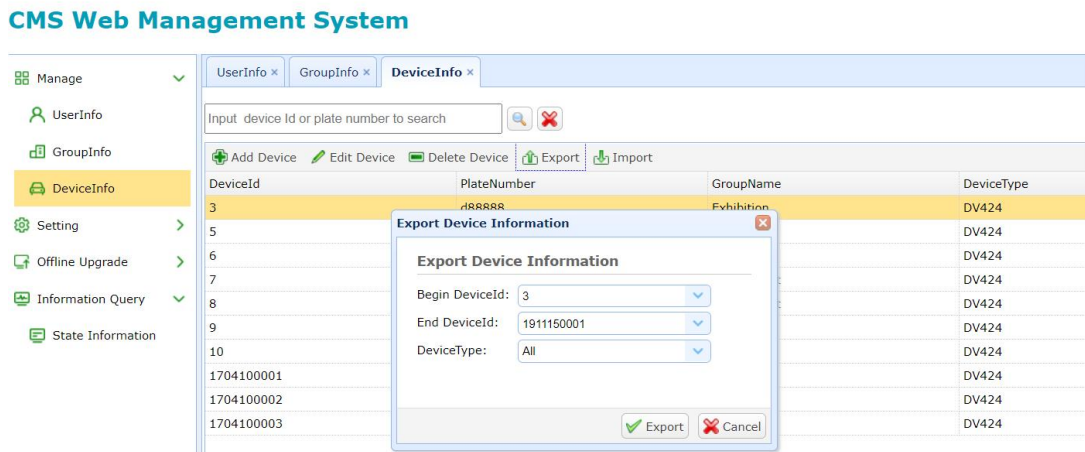
3.4.3 Edit Device

Select the row of Device that you want to edit, click Edit Device, and you can input new PlateNumber or ChannelNumber here, screen shot as follows:



3.4.4 Export

Export the login user's devices,click Export,screen shot as follows:

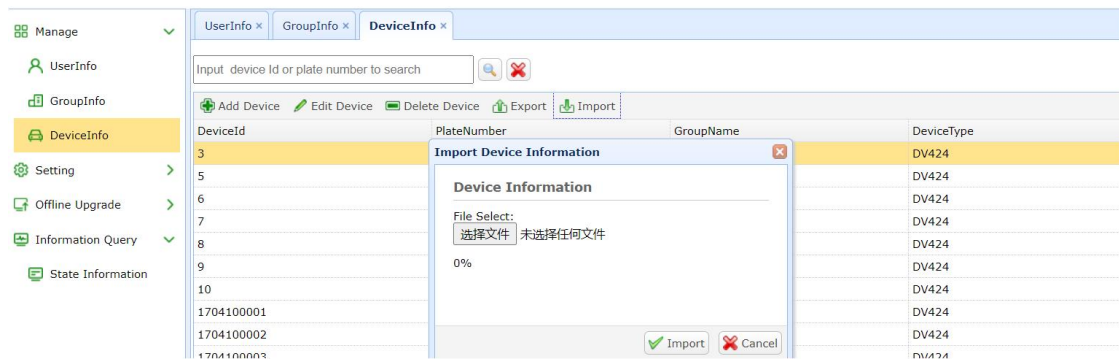


Note: the equipment information is exported from the MDVRs production server (url:http://183.233.190.23:6061; user: customer No.; password: customer No.)

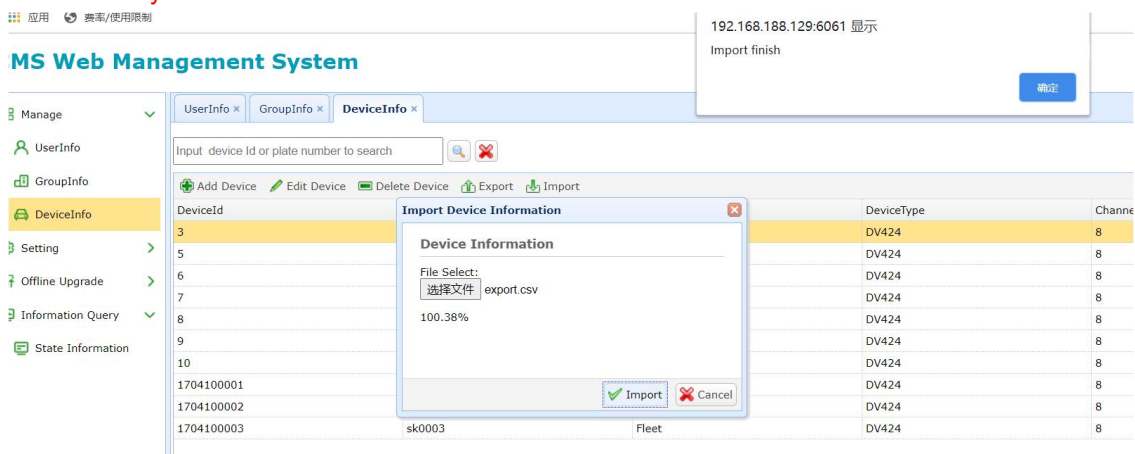
3.4.5 Import

Import devices into login user,click Export,screen shot as follows:

CMS Web Management System



Note: Import the equipment information file exported from the MDVRs production server into the server installed by the customer



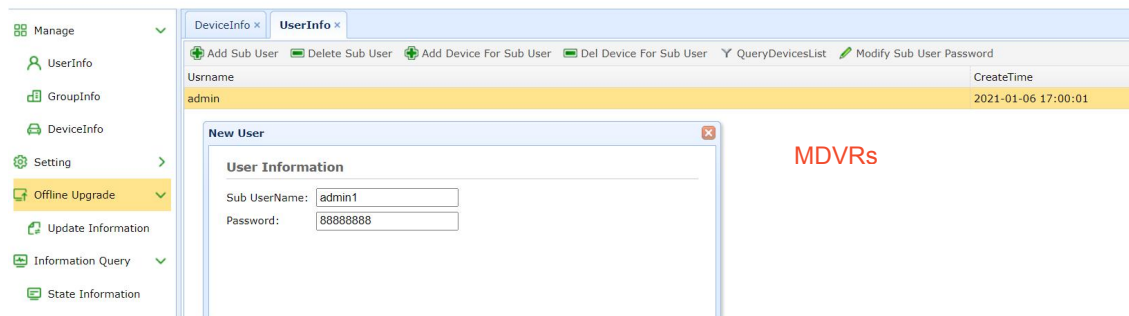
3.5 Add sub user

If you sell a DVR to your customer, you need add a sub user name for your customer, and allocate the DVR to your customer who had bought to the sub user name.

First:

Click User Info->Add Sub User, input sub user name and password please, screen shot as follows:

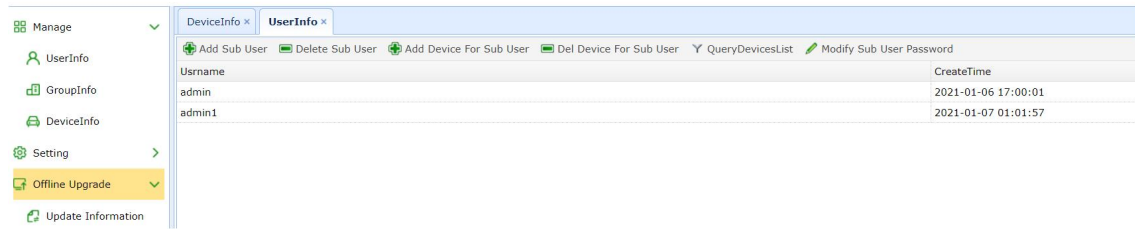
CMS Web Management System



Second:

Click Save, the the sub username will appear in the list table:

CMS Web Management System



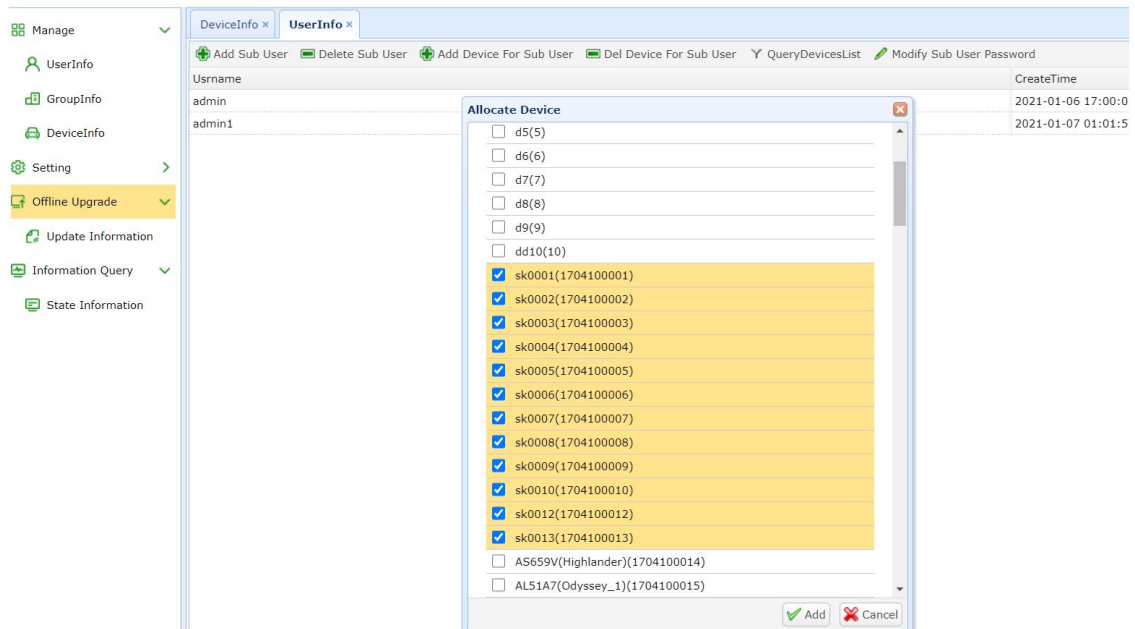
3.6 Add Device for sub user

If you have added some devices for admin,you can add Devices for your sub User.

First:

Click UserInfo, select one sub user, then click Add Device For Sub User, select the devices that you want to add, screen shot as follows:

CMS Web Management System



Second:

Click Add, the DeviceId will be allocated to the user admin1.

3.7 Query devices list for sub user

You can query devices list for your sub user.

Click UserInfo->QueryDeviceList, and input sub user name, click query.

CMS Web Management System

The screenshot shows the 'UserInfo' page in the CMS Web Management System. The left sidebar contains a 'Manage' menu with options: User Info, Group Info, Device Info, Setting, Cloud Account, Basic Setting, Email Setting, Wechat Setting, and Alarm Info filtering. The main content area shows a table of users with columns 'Username' and 'CreateTime'. A 'Query List' dialog box is open, titled 'Query DeviceList for sub user'. It has a 'Sub UserName' field with 'admin1' and a 'Query' button. Below is a table of device information:

DeviceId	PlateNumber
1704100001	sk0001
1704100002	sk0002
1704100003	sk0003
1704100004	sk0004
1704100005	sk0005
1704100006	sk0006

3.8 Save Record of DVR

If you want to store record of DVR in S3 of AWS, please execute next step:

- ① You can fix the information of aws3, for example:
Click Setting->Cloud Account->EditAccount (Add Account) and input new information

CMS Web Management System

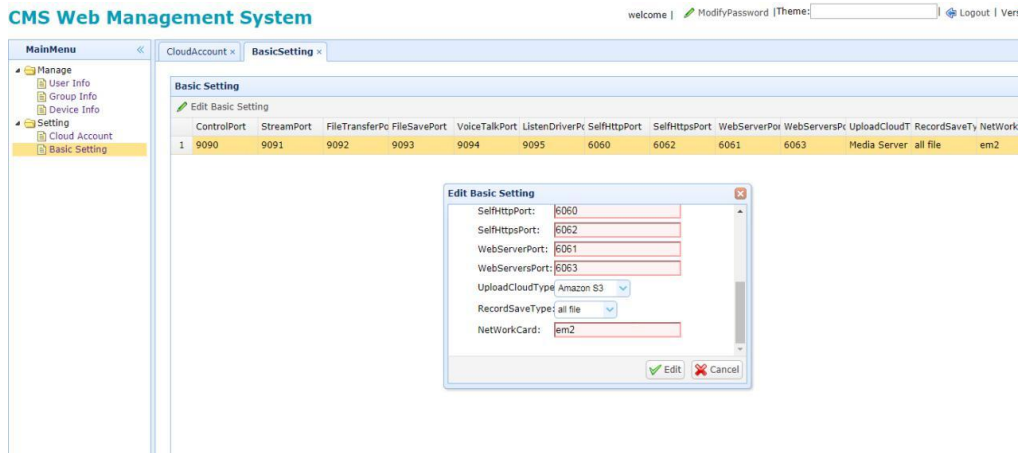
welcome | ModifyPassword | TH

The screenshot shows the 'Cloud Account' page in the CMS Web Management System. The left sidebar contains a 'MainMenu' with options: Manage (User Info, Group Info, Device Info) and Setting (Cloud Account, Basic Setting). The main content area shows a table of cloud accounts with columns 'CloudType', 'CloudHost', 'BaseBucket', 'AccessKey', and 'SecretKey'. A table with one row is visible:

CloudType	CloudHost	BaseBucket	AccessKey	SecretKey
1	s3.ap-northeast-1.amazonaws.com	stg-forkers-stonkam-int	AKIAIY5GERJ3CFT6LG2Q	yunxzc0x/u5DJzOpsmf3f9d

An 'Edit Device' dialog box is open, titled 'Cloud Account Information'. It has fields for: CloudType (1), CloudHost (s3.ap-northeast-1.amazonaws.com), BaseBucket (stg-forkers-stonkam-integrati), AccessKey (AKIAIY5GERJ3CFT6LG2Q), and SecretKey (yunxzc0x/u5DJzOpsmf3f9d). There are 'Edit' and 'Cancel' buttons at the bottom.

- ② Please fix the storage mode of the server.
Click Setting->BasicSetting, change the UploadCloudType into Amazon S3, then click Edit.



③ If version of DVR is earlier than 20191229 and soft hardware of dvr is common version, we need add "FtpFlag = 1" for config of FileMove, because in common version, dvr upload record file using ftp.

```
cd /home/CMSServer/FileMove
vi FileMoveConfig.txt
```

```
[ServerSetting]
DBUser=root
DBPassword=123457
DBAddress=127.0.0.1
RecordLogFlag=0
DetailLogFlag=0
FtpFlag=1
LogDir=/mnt/hgfs/PlatformRepository/424CMS_Server/Project/App/FileMove
SrcDir=/home/CMSServer/FileSaveDir/
DstDir=/home/CMSServer/WebServer/RecordFile
RecordFileThreadNumber=10
```

```
Then cd /home/CMSServer/   reboot server
Sudo ./StopCMSServer.sh
Sudo ./StartCMSServer.sh
```

3.9 Email Setting

If you use the mailbox push function, you can set the mailbox.

1. Add Email

First:

Click "Setting-->Email Setting-->Add Email", and input SMTPServer, SendEmail, SendEmail Password, AcceptEmail, screen as follow:

CMS Web Management System

The screenshot shows the 'Email Setting' page in the CMS Web Management System. The left sidebar contains a navigation menu with 'Email Setting' highlighted. The main content area shows a table with columns for SMTPServer and SendEmail. A dialog box titled 'Add Email' is open, displaying the following fields:

Email Information	
SMTPServer:	<input type="text" value="1234"/>
SendEmail:	<input type="text" value="1234"/>
Send Email Password:	<input type="password" value="*****"/>
AcceptEmail:	<input type="text" value="1234"/>

At the bottom of the dialog box, there are 'Add' and 'Cancel' buttons.

Second:

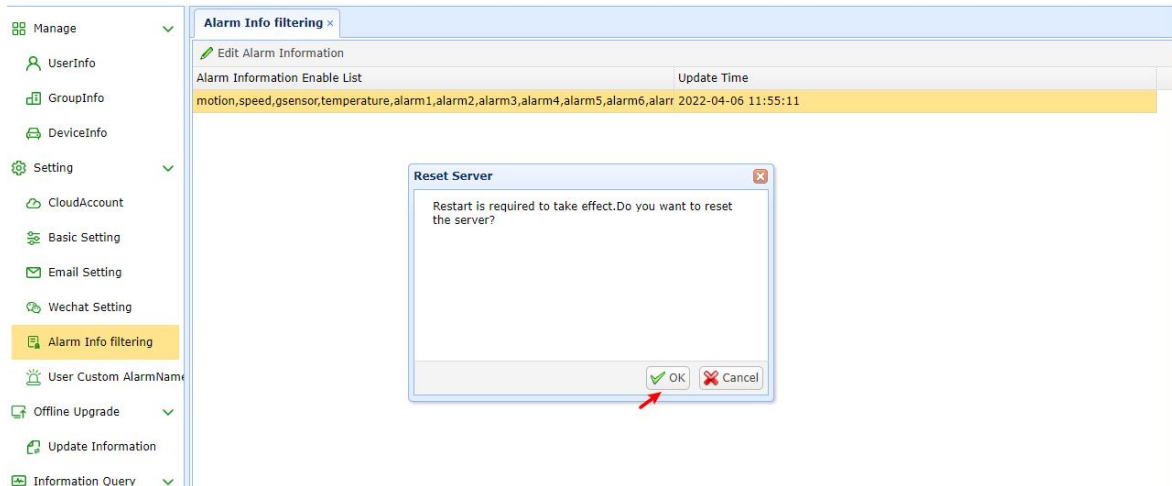
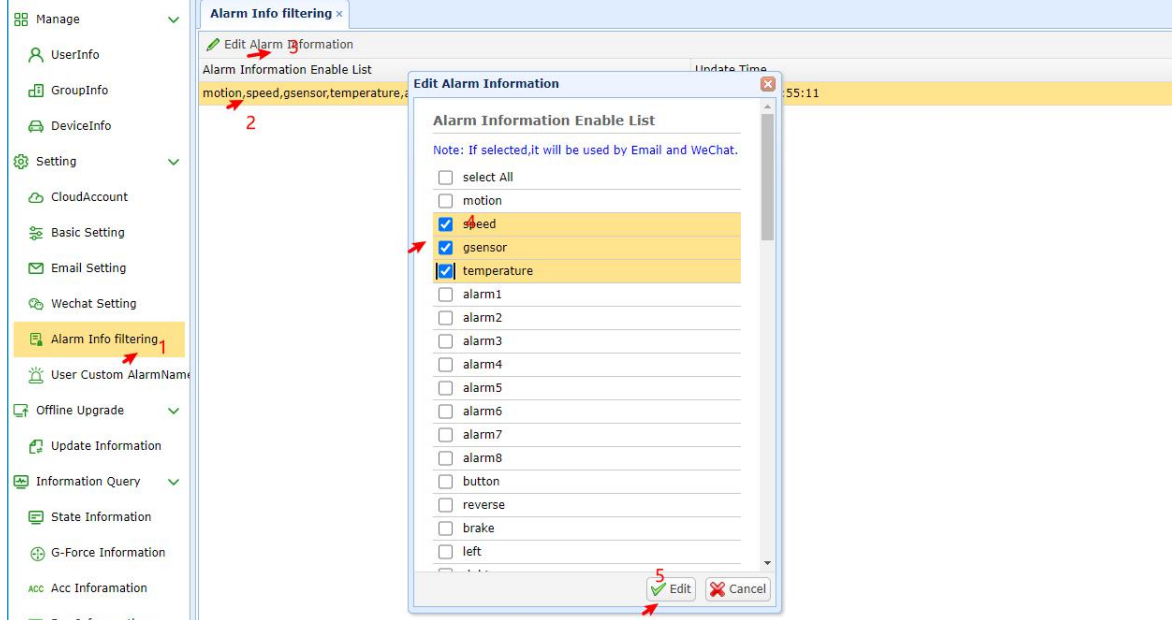
click Add, then the new Email Setting will appear in the list table, screen shot as follow:

The screenshot shows the 'Email Setting' page after adding a new email setting. The table now contains two rows:

SMTPServer	SendEmail	AcceptEmail	Update Time
1234	1234	1234	2021-01-08 17:56:32

Third:

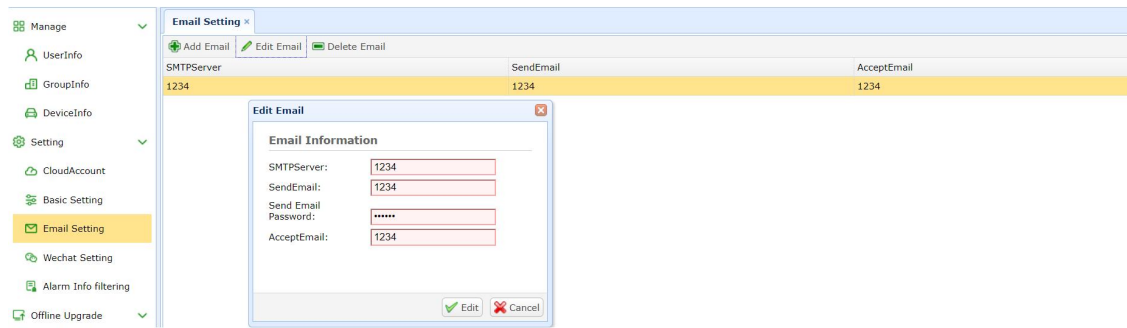
After adding mailbox information, you need to select the alarm type to be pushed to the mail. screen shot as follow:



2. Edit Email

Select the row of Email Setting that you want to fix SMTPServer, SendEmail, SendEmail Passord, AcceptEmail, then click Edit Email. Screen shot as follows:

CMS Web Management System

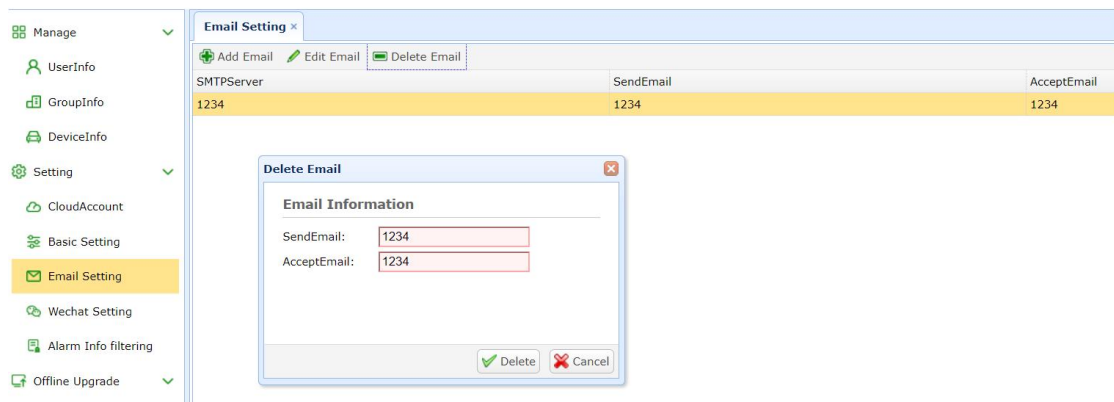


3. Delete Email

Select the row of Email Setting that you want to delete, then click Delete Email, click Delete.

Screen shot as follows:

CMS Web Management System



3.10 Offline Upgrade

Upgrading offline DVR with CMS Web Management System.

Warning: if you want to test one version for one device type, please refer to 2

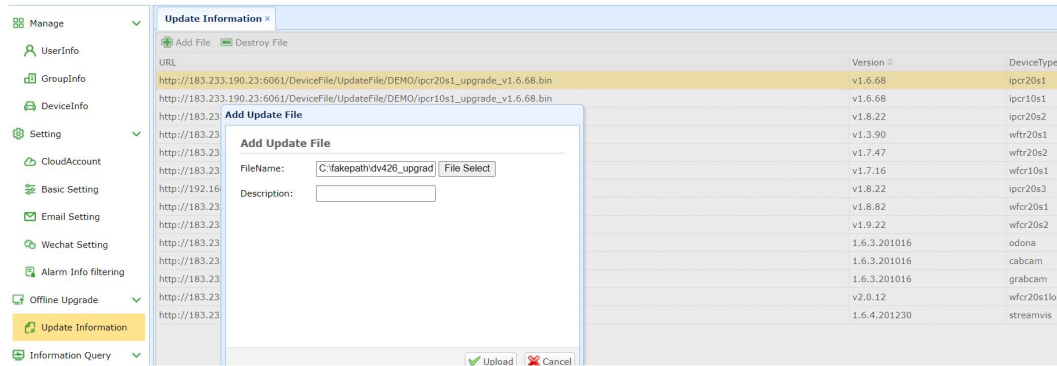
1、updating all devices for one device type

If you want to update all devices for one device type, please login using admin.

if you want to update one or more devices for one device type, you should create one sub user using admin login. Then allocate one or more devices into this sub user, after creating sub user, using sub user to login, and upload updated file.

Step1: Click "Offline Update-->Add File-->File Select", Screen shot as follows:

CMS Web Management System



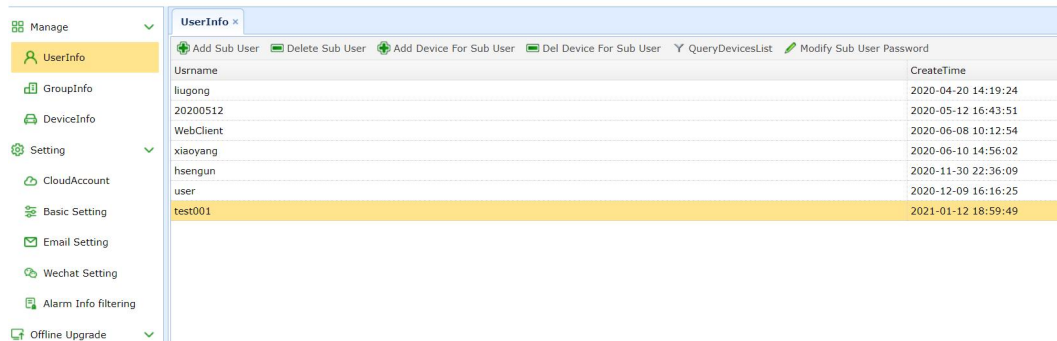
Step2:When clicking “Add File”, you can choose the updated software and click “Upload”. The updated software package will be uploaded to the server.

2、updating selected devices for one device type

if you want to update one or more devices for one device type, you should create one sub user using admin login. Then allocate one or more devices into this sub user.

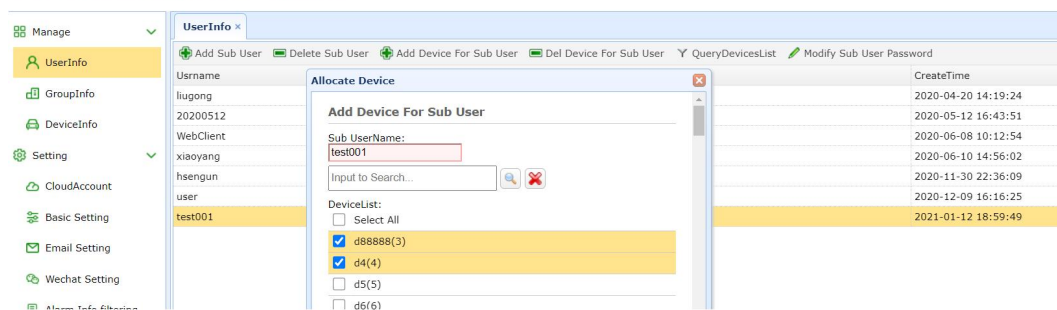
step 1:Click UserInfo->select one user-> Add Device for Sub User

CMS Web Management System



Step 2:select any device that you want to update

CMS Web Management System



Step 3:login cms using sub user,and add file like 1,then only selected devices will update automatically

3.11 Information Query

Using CMS Web management system to query DVR device status information.

Click "Information Query-->State Information", Screen shot as follows:

The screenshot shows the 'State Information' page in the CMS Web Management System. The table contains the following data:

DeviceId	Used	Longitude	Latitude	Speed	OpTime	OnlineTime	Register	Version	Network	OfflineTime	OfflineDes
222222	no										
898989	no										
12312313	no										
13131313	no										
23232323	no										
789789789	no										
1711010002	no										
1711010114	no										
1803130001	yes					2020-04-06 16:24:27	ok	20200402.7123	lan	2020-04-06 16:26:04	read header error:size <= 0
1803130002	no										
1803130003	yes	113.382607	23.122351	0	2020-10-21 13:05:40	2020-12-22 20:45:08	ok	20201222.8687	lan	2020-12-22 20:56:54	client alive time out
1803130004	yes	113.382760	23.122376	0	2021-01-04 12:54:27	2020-12-30 17:09:17	ok	20201223.8687	lan	2020-12-30 17:11:01	client alive time out
1803130005	yes	113.382524	23.122391	0	2020-06-11 16:30:37	2020-06-16 09:08:37	ok	20200610.7407	lan	2020-06-16 09:08:59	read header error:size <= 0
1803130008	yes					2020-07-27 16:00:28	ok	20200726.7756	lan	2020-07-24 08:46:23	read header error:size <= 0
1803130013	yes	113.382557	23.122378	0	2020-06-15 08:28:11	2020-06-17 13:51:57	ok	20200501.7233	lan	2020-06-17 13:57:22	client alive time out
1803130019	yes	113.382583	23.122372	0	2020-12-25 17:07:42	2021-01-05 16:15:02	ok	20201223.8687	wifi	2021-01-05 16:23:36	client alive time out
1803130025	yes					2020-07-31 18:59:05	ok	20200714.7689	lan	2020-07-31 19:08:02	client alive time out
1811130003	yes	113.382774	23.122387	0	2020-08-14 18:15:40	2020-08-14 18:08:35	ok	20200810.7877	lan	2020-08-14 18:16:15	read header error:size <= 0
1910240001	yes	113.382545	23.122454	0	2020-06-11 14:41:18	2020-06-11 14:18:58	ok	20200609.7383	wifi	2020-06-11 14:42:46	client alive time out
2005120001	yes	0.000000	0.000000	0	2020-05-26 16:23:33	2020-05-26 16:19:25	ok	20200511.7245	lan	2020-05-26 16:24:14	client alive time out

3.12 Quick initialization device

If the equipment you purchased was hung on our server before, now that you have installed your own server, you can quickly initialize these equipment to your server.

1、Log in to our CMS Web management system to export the device

Open the url <http://183.233.190.23:6061/pc/login.html>

Log in with your user and password

Click:DeviceInfo-->Export

The screenshot shows the 'DeviceInfo' page in the CMS Web Management System. A dialog box titled 'Export Device Information' is open, allowing the user to select a range of devices to export. The dialog box contains the following fields:

- Begin DeviceId: 3
- End DeviceId: 1912170004
- DeviceType: All

The background table shows a list of devices with columns for DeviceId, PlateNumber, and GroupName. The 'Export' button is highlighted in green.

Click Export

Export your device to a file and store it on your local computer.

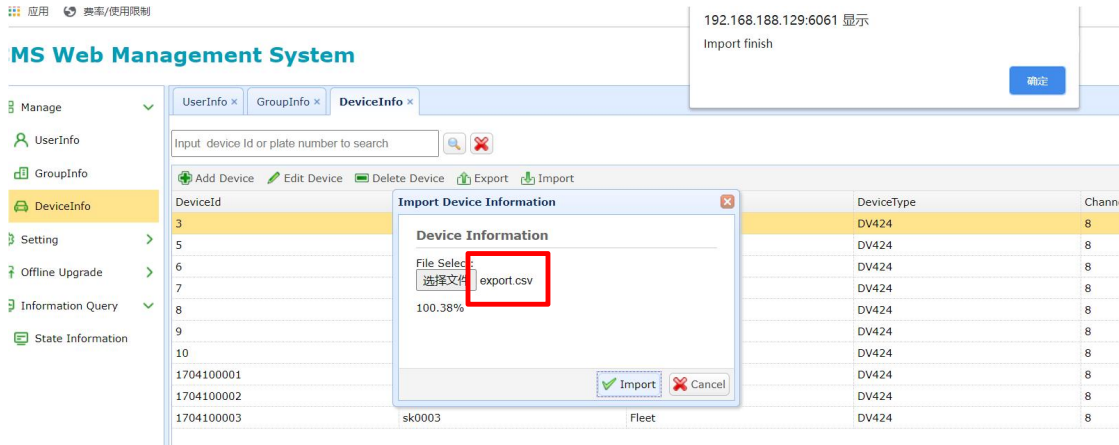
PlateNumber	DeviceId	ChannelNum	DeviceType	GroupName
d88888	3	8	DV424	Exhibition
d4	4	7	DV424	Exhibition
d5	5	8	DV424	Exhibition
d6	6	8	DV424	Exhibition
d7	7	8	DV424	Aug. 24 Test
d8	8	8	DV424	Aug. 24 Test
d9	9	8	DV424	gtoup11
dd10	10	8	DV424	Exhibition
sk0001	1.704E+09	8	DV424	Fleet
sk0002	1.704E+09	8	DV424	Fleet
sk0003	1.704E+09	8	DV424	Fleet
sk0004	1.704E+09	8	DV424	Fleet
sk0005	1.704E+09	12	DV424	Fleet
sk0006	1.704E+09	8	DV424	Fleet
sk0007	1.704E+09	8	DV424	Fleet
sk0008	1.704E+09	8	DV424	Fleet
sk0009	1.704E+09	8	DV424	Fleet
sk0010	1.704E+09	8	DV424	Fleet
sk0011	1.704E+09	4	DV425	Fleet
sk0012	1.704E+09	8	DV424	Fleet
sk0013	1.704E+09	8	DV424	Fleet
AS659V (High)	1.704E+09	8	DV424	Fleet
AL51A7 (Ody)	1.704E+09	8	DV424	Fleet
AL51A7 (Ody)	1.704E+09	8	DV424	Fleet
AL51A7 (Ody)	1.704E+09	8	DV424	Fleet
sk0018	1.704E+09	4	DV425	Fleet
sk0019	1.704E+09	4	DV425	Fleet
sk0020	1.704E+09	4	DV425	Fleet

2、Log in to your own CMS Web management system and import the device into your server
Click:DeviceInfo-->Import

CMS Web Management System



Select the device file to export from our server, click Import:



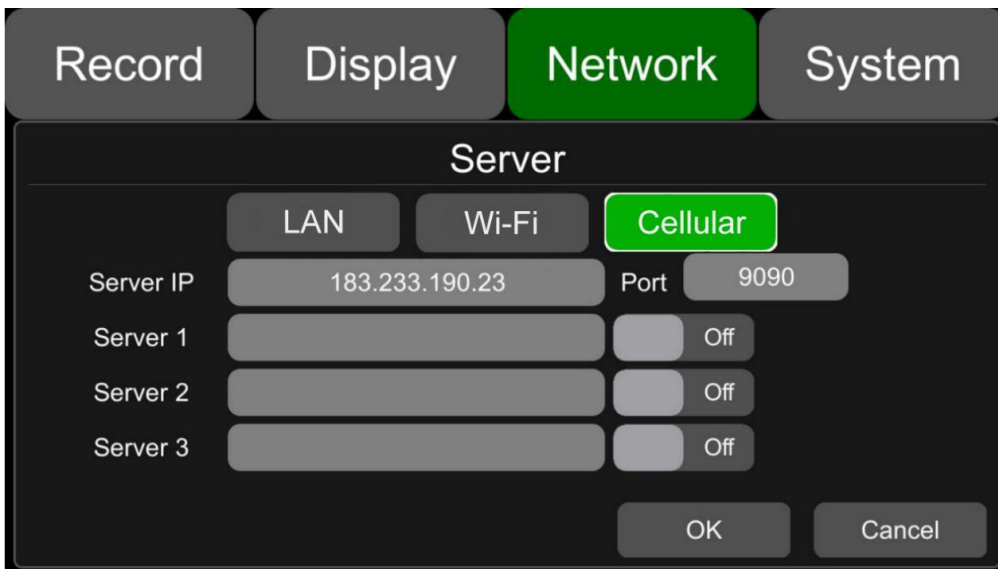
4. Let DVR Connect Yourself CMS Server

If you want to install yourself CMS server, and supposing you have installed it successfully. you need to change the server ip of your DVR into your internet ip of your CMS server, please fix it. Screen shot as follows:

4.1 Change 3g server ip of your DVR

If your DVR connect yourself CMS server using 3g, please change 3g server ip into your real server internet ip.

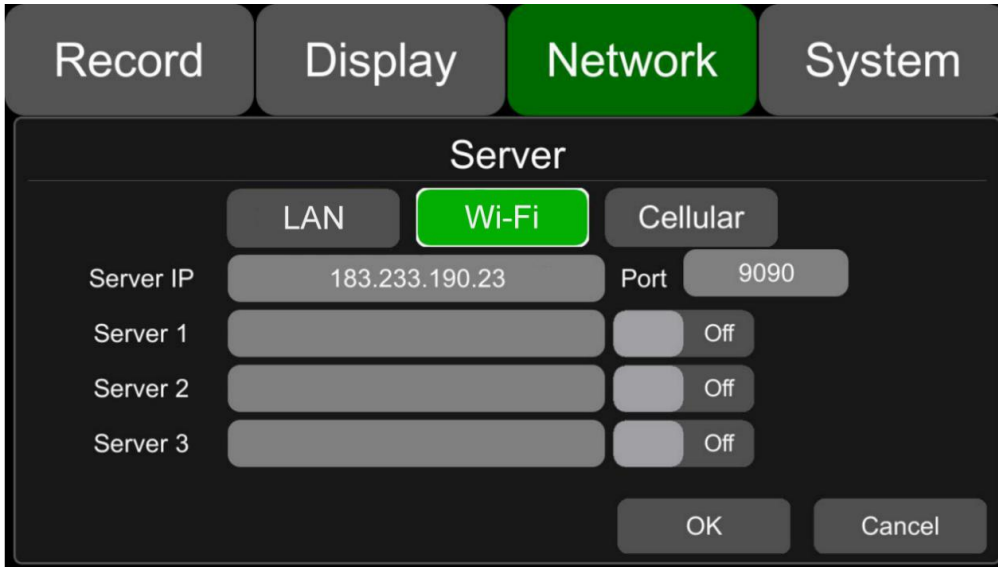
NetWork->Server->Cellular. Screen shot as follows:



4.2 Change wifi server ip of your DVR

If your DVR connect yourself CMS server using wifi, please change wifi server ip into your real server internet ip.

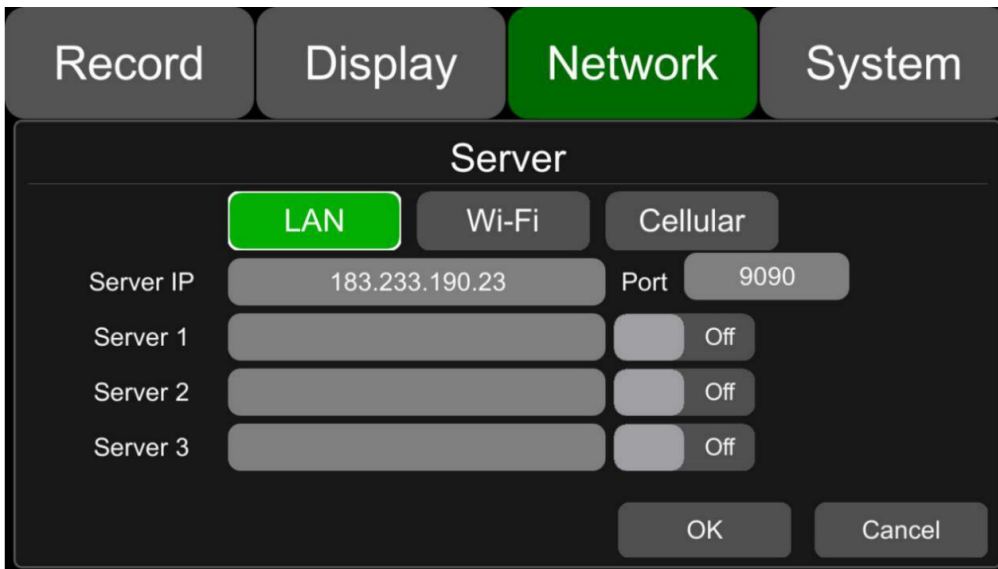
NetWork->Server->wi-fi. Screen shot as follows:



4.3 Change lan server ip of your DVR

If your DVR connect yourself CMS server using lan, please change lan server ip into your real server internet ip.

NetWork->Server->lan. Screen shot as follows:

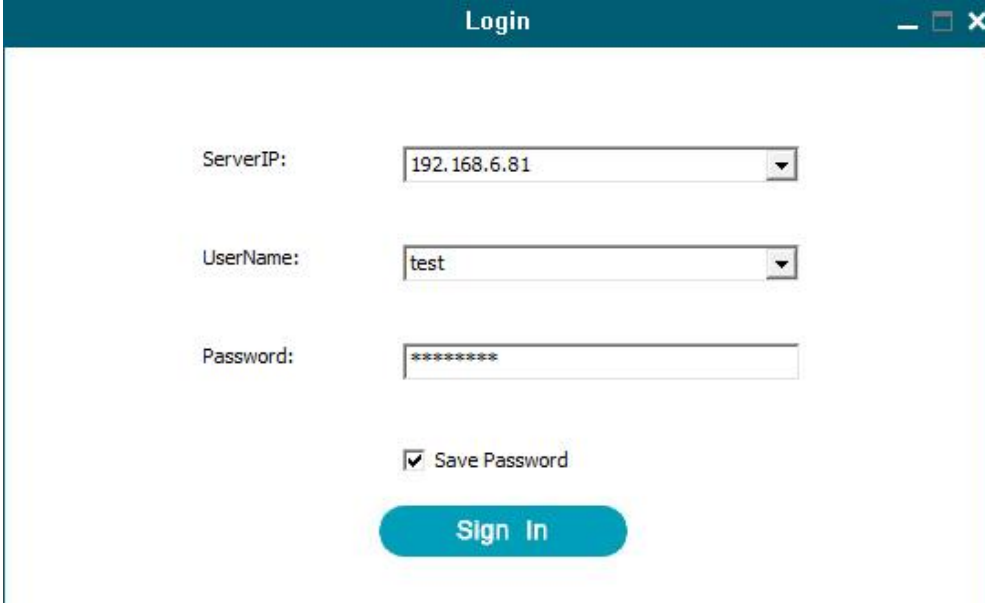


5. Using CMS Client

If the UUID of DVR has been added into the CMS server and user have been created. Customer can user CMS client to login server and view the DVR. And CMS client can be runned in windows 7/8/10 only.

5.1 Login server

Suppose your serverIp is 192.168.188.129 and UserName/Password created in 3.2 is test/12323213.



ServerIP: 192.168.6.81

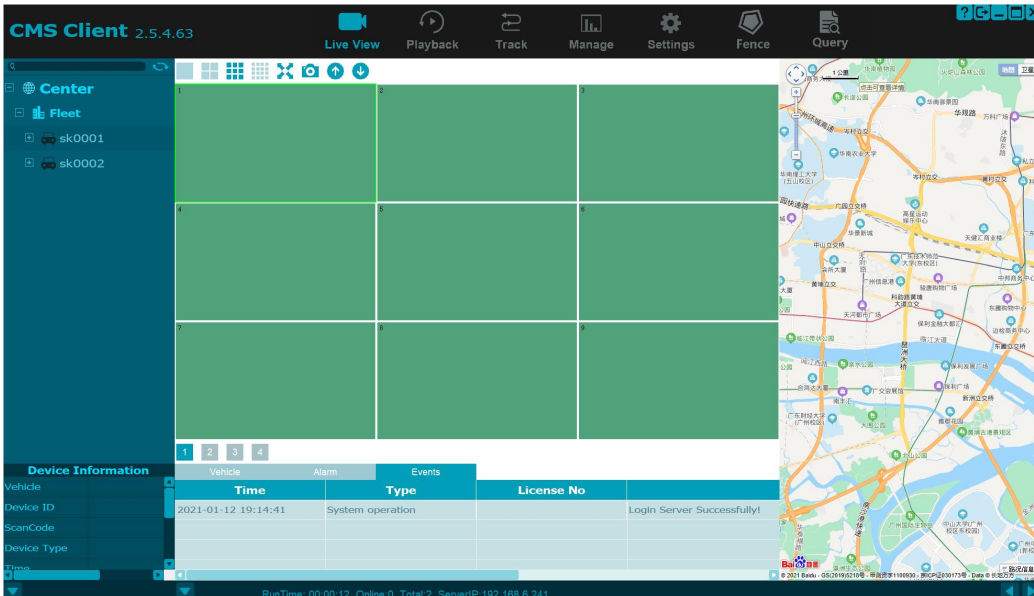
UserName: test

Password: *****

Save Password

Sign In

5.2 Main GUI



CMS Client 2.5.4.63

Live View Playback Track Manage Settings Fence Query

Center

Fleet

- sk0001
- sk0002

Vehicle	Time	Alarm	Type	Events	License No
	2021-01-12 19:14:41		System operation	Login Server Successfully!	

RunTime: 00:00:12, Online:0, Total:2, ServerIP:192.168.6.241

5.3 CMS client manual

Client manual provided upon request.

AMERICAN BUS VIDEO INC.

Toll-Free 866.468.8042

Fax: 770.887.5944

AmericanBusVideo.com

SchoolBusCamera.com

VehicleVideoCameras.com

35+ Years of Mobile Digital Sales & Service Experience